



# **Ruckus Wireless™ SmartCell Gateway™ 200 and Virtual SmartZone High-Scale**

## **Command Line Interface Reference Guide for SmartZone 3.4**

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# Contents

## About This Guide

Document Conventions . . . . .	14
Related Documentation . . . . .	14
Online Training Resources . . . . .	14
Documentation Feedback . . . . .	15

## 1 Introduction to the Controller Command Line Interface

Overview of the Controller Command Line Interface . . . . .	17
Accessing the Command Line Interface . . . . .	17
What You Will Need . . . . .	17
Connect the Administrative Computer to the Controller . . . . .	17
Start and Configure the SSH Client . . . . .	18
Using SSH Connection . . . . .	19
Using Serial Connection . . . . .	20
Log On to CLI . . . . .	23

## 2 Configuration Commands (a - d)

config . . . . .	27
3rd-zone . . . . .	28
acct-profile . . . . .	34
ad-service . . . . .	36
admin . . . . .	38
admin-radius . . . . .	40
adv-forwarding-profile . . . . .	43
ap . . . . .	46
ap-auto-tagging . . . . .	60
ap-cert-check . . . . .	62
ap-certificate-reset . . . . .	62
ap-control-mgmt-tos . . . . .	62
ap-heartbeat . . . . .	63
ap-portal-cert . . . . .	63
ap-root-ca . . . . .	66
ap-sci . . . . .	66

ap-snmp . . . . .	66
ap-zone-aggregate . . . . .	67
auth-profile . . . . .	68
bridge-profile . . . . .	71
cert-store . . . . .	74
cgf-service . . . . .	77
changepassword . . . . .	84
clock . . . . .	85
cluster-ip-list . . . . .	85
cluster-redundancy . . . . .	86
data-plane . . . . .	88
diameter-remote-service . . . . .	90
diameter-system-wide . . . . .	92
dns-server-service . . . . .	94
do . . . . .	94
domain . . . . .	96
dp-group . . . . .	170
<b>3 Configuration Commands (e - r)</b>	
eap-aka . . . . .	173
eap-sim . . . . .	175
encrypt-mac-ip . . . . .	177
end . . . . .	177
eth-port-validate-one-trunk . . . . .	177
event . . . . .	179
event db-persistence . . . . .	180
event email . . . . .	181
event snmp-trap . . . . .	181
event-email . . . . .	182
event-threshold . . . . .	183
exit . . . . .	184
ftp-server . . . . .	184
ftp-test . . . . .	186
gateway-advance . . . . .	186
ggsn-service . . . . .	188
help . . . . .	190
hlr-mnc-ndc . . . . .	191
hlr-service . . . . .	192
hlr-system-wide . . . . .	200

hostname . . . . .	201
hotspot-profile . . . . .	201
hs20-ssl3 . . . . .	204
identity-provider . . . . .	205
interface . . . . .	220
ip control-nat . . . . .	224
ip default-gateway . . . . .	224
ip default-gateway-ipv6 . . . . .	225
ip internal-subnet . . . . .	225
ip name-server . . . . .	226
ip name-server-ipv6 . . . . .	226
ip route . . . . .	227
ip route-ipv6 . . . . .	227
ip separate-access-core . . . . .	229
ip-support . . . . .	229
ipsec-profile . . . . .	229
l2ogre-profile . . . . .	236
l3ogre-profile . . . . .	240
lbs-service . . . . .	243
ldap-service . . . . .	244
license cloud . . . . .	248
license export . . . . .	249
license import . . . . .	249
license local . . . . .	250
license sync-now . . . . .	251
lineman . . . . .	251
localdb-service . . . . .	252
logging console . . . . .	253
lwapp2scg . . . . .	254
mgmt-acl . . . . .	257
mvno . . . . .	259
network-traffic-profile . . . . .	264
no 3rd-zone . . . . .	266
no acct-profile . . . . .	267
no ad-service . . . . .	267
no admin . . . . .	268
no admin-radius . . . . .	268
no adv-forwarding-profile . . . . .	269
no ap . . . . .	269

no ap auto-tagging . . . . .	269
no ap-cert-check . . . . .	270
no ap-control-mgmt-tos . . . . .	270
no ap-root-ca . . . . .	271
no ap-sci . . . . .	271
no ap-snmp . . . . .	272
no ap-zone-aggregate . . . . .	272
no auth-profile . . . . .	272
no bonjour-gateway . . . . .	273
no bonjour-policy . . . . .	273
no bridge-profile . . . . .	274
no cert-store . . . . .	274
no cgf-service . . . . .	275
no cls-sess msisdn . . . . .	275
no control-plane . . . . .	276
no data-plane . . . . .	276
no diameter-remote-service . . . . .	277
no domain . . . . .	277
no dp-group . . . . .	280
no eap-aka . . . . .	280
no eap-sim . . . . .	280
no encrypt-mac-ip . . . . .	281
no event . . . . .	281
no ftp-server . . . . .	282
no ggsn-service . . . . .	282
no hlr-mnc-ndc . . . . .	283
no hlr-service . . . . .	283
no hotspot-profile . . . . .	284
no hs20-ssl3 . . . . .	284
no identity-provider . . . . .	285
no interface . . . . .	285
no ip . . . . .	286
no ipsec-profile . . . . .	287
no l2ogre-profile . . . . .	287
no l3ogre-profile . . . . .	288
no lbs-service . . . . .	289
no ldap-service . . . . .	289
no lineman . . . . .	290
no logging . . . . .	290

no mvno . . . . .	291
no network-traffic-profile . . . . .	291
no oauth-service . . . . .	292
no operator-profile . . . . .	292
no osu-portal-profile . . . . .	293
no outbound-firewall . . . . .	293
no pmipv6-profile . . . . .	293
no radius-service . . . . .	294
no report . . . . .	294
no rks-gre . . . . .	296
no role . . . . .	296
no snmp-trap . . . . .	297
no snmp-v2-community . . . . .	297
no snmp-v3-user . . . . .	298
no soft-gre . . . . .	298
no subpackages . . . . .	299
no ttg-pdg-profile . . . . .	299
no user-agent-blacklist . . . . .	300
no user-role . . . . .	300
no user-traffic-profile . . . . .	301
no zone . . . . .	301
no zone-template . . . . .	303
node-affinity-config . . . . .	304
northbound-auththtype . . . . .	306
northbound-portal . . . . .	307
ntp-server . . . . .	307
oauth-service . . . . .	308
operator-profile . . . . .	310
osu-portal-profile . . . . .	311
outbound-firewall . . . . .	313
pmipv6-profile . . . . .	316
q-in-q-ethertype . . . . .	318
radius-service . . . . .	319
rebalance-aps . . . . .	322
report . . . . .	322
rks-gre . . . . .	326
role . . . . .	328

## 4 Configuration Commands (s - z)

sci-setting . . . . .	331
sms-server . . . . .	332
smtp-server . . . . .	333
snmp-notification . . . . .	335
snmp-trap . . . . .	336
snmp-v2-community . . . . .	336
snmp-v3-user . . . . .	338
soft-gre . . . . .	340
stats-upload . . . . .	342
subpackages . . . . .	343
support-admin . . . . .	346
syslog-server . . . . .	347
ttg-pdg-profile . . . . .	349
user-agent-blacklist . . . . .	355
user-role . . . . .	356
user-traffic-profile . . . . .	359
zone . . . . .	363
zone-template . . . . .	436

## 5 Debug Commands

debug . . . . .	438
ap-cli . . . . .	439
data-plane . . . . .	440
delete . . . . .	441
diagnostic . . . . .	441
do . . . . .	443
dp-customized-config . . . . .	444
end . . . . .	444
exit . . . . .	445
execute . . . . .	445
export log . . . . .	446
help . . . . .	446
no dp-customized-config . . . . .	447
no schedule . . . . .	447
no screen-pagination . . . . .	448
no sslv3 . . . . .	448
no strict-wfa-compliance . . . . .	449
screen-pagination . . . . .	449



show . . . . .	450
show dp-customized-config . . . . .	451
ssl3 . . . . .	451
strict-wfa-compliance . . . . .	451
<b>6 Setup Commands</b>	
rbd . . . . .	453
rbddump . . . . .	453
setup . . . . .	455
<b>7 Show Commands</b>	
show 3rd zone . . . . .	462
show admin-activity . . . . .	463
show alarm . . . . .	464
show ap . . . . .	466
show ap-certificate-status . . . . .	467
show ap-stats . . . . .	468
show backup . . . . .	471
show backup-config . . . . .	472
show backup-config-state . . . . .	472
show backup-network . . . . .	473
show backup-schedule . . . . .	473
show backup-state . . . . .	473
show backup-upgrade-state . . . . .	474
show cgf-cnrxn-stats . . . . .	475
show cgf-tx-stats . . . . .	475
show client . . . . .	476
show clock . . . . .	477
show cls-sess . . . . .	477
show cls-sess-range . . . . .	478
show cluster . . . . .	478
show cluster-state . . . . .	479
show control-plane . . . . .	479
show control-plane-stats . . . . .	481
show counter . . . . .	483
show cpuinfo . . . . .	484
show data-plane . . . . .	484
show data-plane-stats . . . . .	485
show dhcp-relay-stats . . . . .	486

show dhcp-server-stats . . . . .	486
show diameter-gx-stats . . . . .	487
show diameter-sta-stats . . . . .	487
show diameter-stats . . . . .	488
show diskinfo . . . . .	488
show event . . . . .	489
show ggsn-cnrxn-stats . . . . .	490
show ggsn-gtpc-stats . . . . .	491
show history . . . . .	491
show hlr-stats . . . . .	492
show hlr-sctp-stats . . . . .	492
show interface . . . . .	493
show internal-subnet . . . . .	494
show ip . . . . .	495
show license . . . . .	495
show lma-connectivity-stats . . . . .	496
show lma-signaling-stats . . . . .	496
show logs-filter . . . . .	497
show meminfo . . . . .	498
show ntp . . . . .	498
show radius-proxy-stats . . . . .	499
show radius-server-stats . . . . .	500
show report-result . . . . .	500
show rogue-aps . . . . .	501
show running-config . . . . .	502
show service . . . . .	520
show snapshot-disk-state . . . . .	520
show ttg-client . . . . .	521
show upgrade-history . . . . .	521
show upgrade-state . . . . .	522
show version . . . . .	522
show zone . . . . .	523
<b>8 System Commands</b>	
? . . . . .	526
backup . . . . .	527
backup config . . . . .	527
backup network . . . . .	528
backup schedule . . . . .	528

backup-upgrade . . . . .	529
cluster in-service . . . . .	530
config . . . . .	530
copy . . . . .	531
copy ap-certificate-request . . . . .	531
copy backup . . . . .	532
copy backup-config . . . . .	532
copy backup-network . . . . .	533
copy client . . . . .	533
copy report-result . . . . .	534
curl . . . . .	534
delete backup . . . . .	537
delete backup-config . . . . .	538
delete backup-network . . . . .	538
delete client . . . . .	539
diagnostic . . . . .	539
enable . . . . .	542
enable <new password> . . . . .	542
exit . . . . .	543
help . . . . .	543
logout . . . . .	544
log-diagnostic ap-log-level-set . . . . .	544
no service . . . . .	545
patches . . . . .	545
ping . . . . .	546
ping6 . . . . .	547
reload . . . . .	548
reload ap . . . . .	548
reload data-plane . . . . .	549
reload now . . . . .	549
traceroute . . . . .	550
traceroute6 . . . . .	550
remote ap-cli . . . . .	550
restore config . . . . .	551
restore local . . . . .	552
restore network . . . . .	552
service restart . . . . .	553
service start . . . . .	553
set-factory . . . . .	554

setup . . . . .	555
shutdown . . . . .	555
shutdown now . . . . .	556
upgrade . . . . .	556
upload ap-certificate-status . . . . .	557
3rd-zone. . . . .	557

**Index**

# About This Guide

This *SmartCell Gateway™ (SCG) 200 and Virtual SmartZone High-Scale (vSZ-H) Command Line Interface Reference Guide* contains the syntaxes and commands for configuring and managing the SCG-200/ vSZ-H (collectively referred to as “the controller” throughout this guide) from the command line interface.

This guide is written for service operators and system administrators who are responsible for managing, configuring, and troubleshooting Ruckus Wireless devices. Consequently, it assumes a basic working knowledge of local area networks, wireless networking, and wireless devices.

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**NOTE** If release notes are shipped with your product and the information there differs from the information in this guide, follow the instructions in the release notes.

---

Most user guides and release notes are available in Adobe Acrobat Reader Portable Document Format (PDF) or HTML on the Ruckus Wireless Support Web site at <https://support.ruckuswireless.com/contact-us>.

## Document Conventions

Table 1 and Table 2 list the text and notice conventions that are used throughout this guide.

Table 1. Text conventions

Convention	Description	Example
monospace	Represents information as it appears on screen	[Device name] >
<b>monospace bold</b>	Represents information that you enter	[Device name] > <b>set ipaddr 10.0.0.12</b>
<b>default font bold</b>	Keyboard keys, software buttons, and field names	On the <b>Start</b> menu, click <b>All Programs</b> .
<i>italics</i>	Screen or page names	Click <b>Advanced Settings</b> . The <i>Advanced Settings</i> page appears.

Table 2. Notice conventions

Notice Type	Description
<b>NOTE</b>	Information that describes important features or instructions
<b>CAUTION!</b>	Information that alerts you to potential loss of data or potential damage to an application, system, or device
<b>WARNING!</b>	Information that alerts you to potential personal injury

## Related Documentation

For a complete list of documents that accompany this release, refer to the Release Notes.

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- Part number: 800-71118-001
- Page 88

# Introduction to the Controller Command Line Interface

# 1

In this chapter:

- [Overview of the Controller Command Line Interface](#)
- [Accessing the Command Line Interface](#)



# Overview of the Controller Command Line Interface

The Controller command line interface (CLI) is a software tool that enables you to configure and manage SmartCell Gateway 200 and Virtual SmartZone High-Scale. Using the command line interface, you can issue commands from an operating system prompt, such as the Microsoft Windows command prompt or a Linux operating system terminal. Each command performs a specific action for configuring device settings or returning information about the status of a specific device feature.

## Accessing the Command Line Interface

The controller has a built-in command line interface (CLI) that you can use to configure controller settings and manage access points. This section describes the requirements and the procedure for accessing the controller CLI.

### What You Will Need

To access the controller CLI, you will need the following:

- 1 A computer that you want to designate as administrative computer
- 2 A network connection to the controller (if you want to use an SSH connection) or an RS-232 serial to RJ45 cable (if you want to use a serial connection)
- 3 An SSH (secure shell) client

### Connect the Administrative Computer to the Controller

Connect the administrative computer to controller either through the network or directly using an RS-232 serial to RJ45 cable.

- 1 If you want to use an SSH connection, connect the administrative computer to the same subnet or broadcast domain as the Management (Web) interface of the controller.
- 2 If you want to use a serial connection, make sure that both the administrative computer and the controller are both powered on. And then, do the following:
  - Connect the RJ45 end of the cable to the port labeled |O|O| (console port) on the controller. See [Figure 1](#) for the location of the console port.
  - Connect the RS-232 end of the cable to a COM port on the administrative computer.

Figure 1. Location of console port



## Start and Configure the SSH Client

Before starting this procedure, make sure that the SSH client is already installed on the administrative computer.

---

**NOTE:** The following procedure describes how to use PuTTY, a free and open source telnet/SSH client, to access the controller CLI. If you are using a different SSH client, the procedure may be slightly different (although the connection settings should be the same). For more information on PuTTY, visit [www.putty.org](http://www.putty.org).

---

See the following sections depending on your connection method:

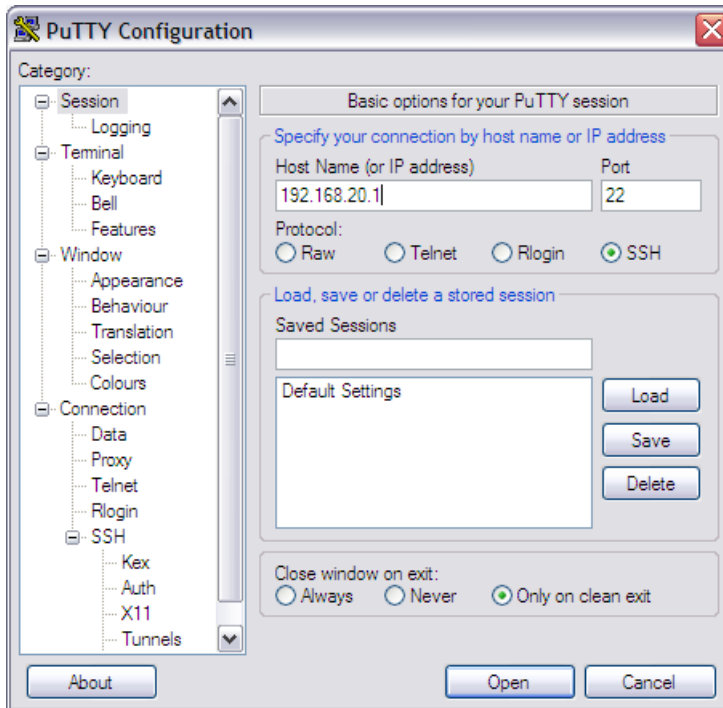
- [Using SSH Connection](#)
- [Using Serial Connection](#)

## Using SSH Connection

If you have connected the administrative computer to the same subnet or broadcast domain as the Management (Web) interface of the controller, follow these steps to start and configure the SSH client.

- 1 Start PuTTY. The PuTTY configuration dialog box appears, showing the *Session* screen as seen in [Figure 2](#).
- 2 In *Connection type*, select SSH.

Figure 2. Selecting SSH as a connection type



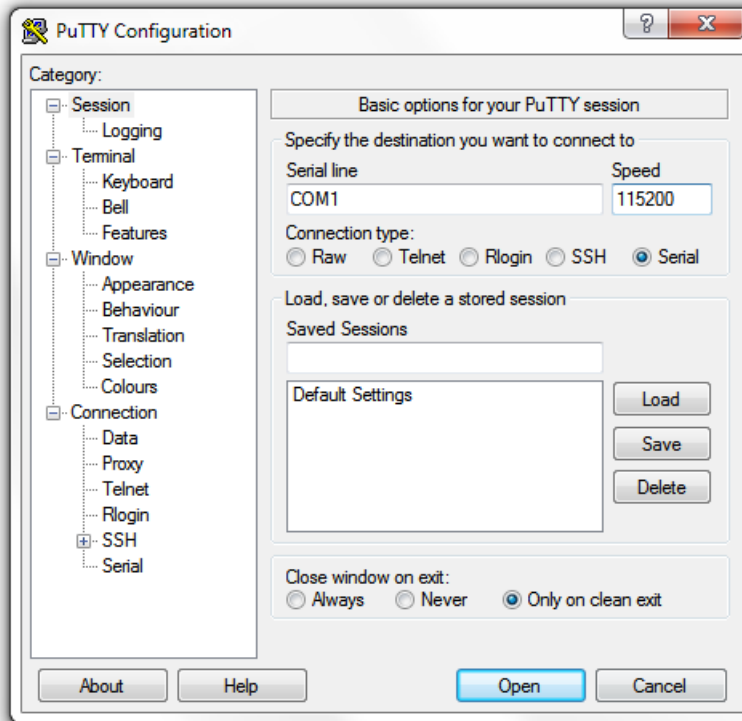
- 3 Enter the IP address of the Management (Web) interface of the controller in the *Host Name (or IP address)* field as seen in [Figure 2](#).
- 4 Click Open. The PuTTY console appears and displays the login prompt. See [Figure 6](#).

## Using Serial Connection

If you have connected the administrative computer to the console port on the controller using an RS-232 serial to RJ45 cable, follow these steps to start and configure the SSH client.

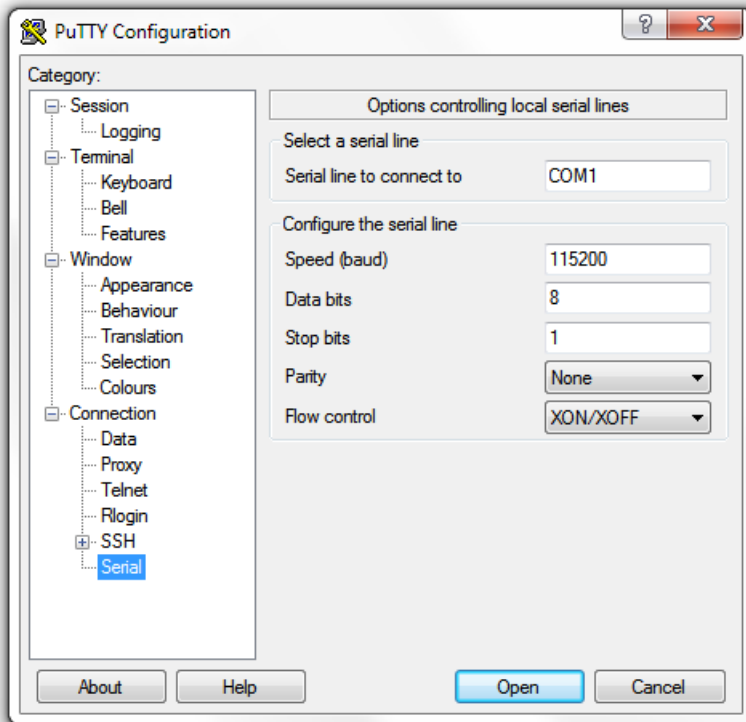
- 1 Start PuTTY. The PuTTY Configuration dialog box appears, showing the *Session* screen as seen in [Figure 3](#).
- 2 In *Connection* type, select Serial if you are connecting via serial cable.

Figure 3. Selecting serial as a connection type



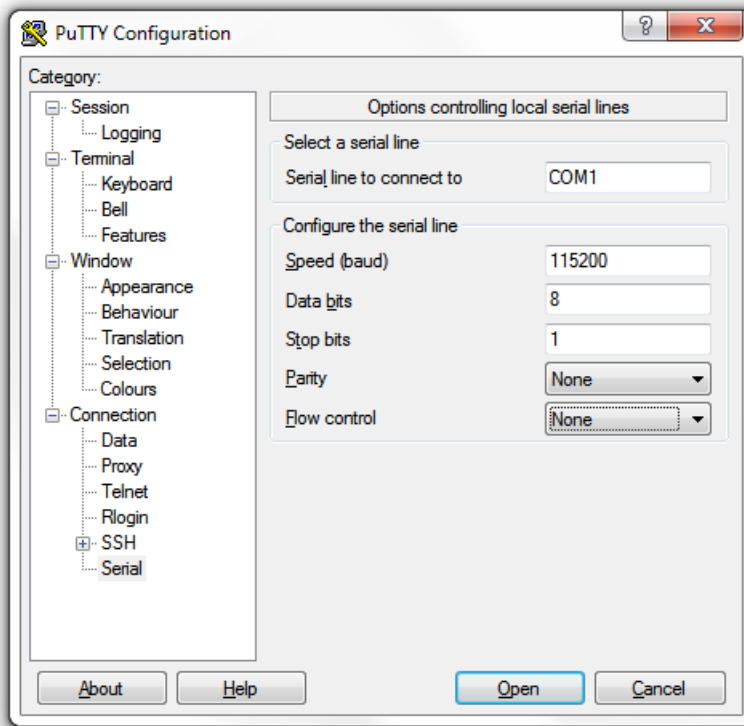
- 3 Under Category, click Connection > Serial. The serial connection options appear on the right side of the dialog box, displaying PuTTY's default serial connection settings. See [Figure 4](#).

Figure 4. PuTTY's default serial connection setting



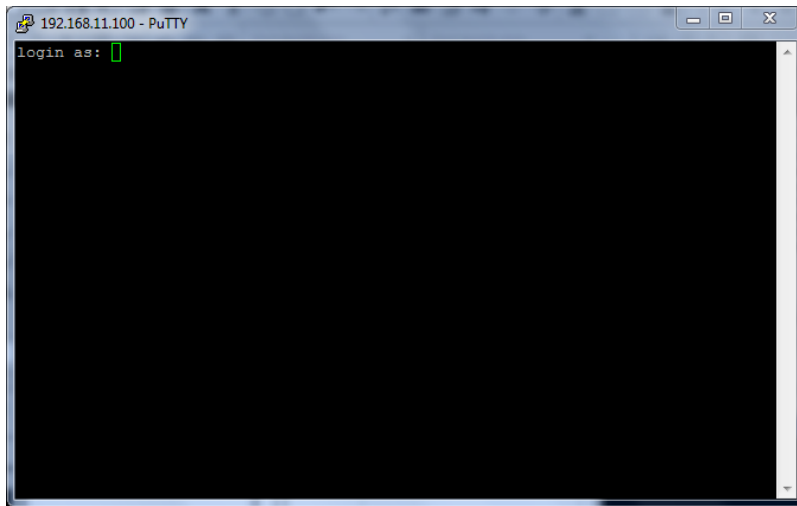
- 4 Configure the serial connection settings as follows. See [Figure 5](#).
  - Serial line to connect to: Type the COM port name to which you connected the RS-232 cable.
  - Bits per second: 115200
  - Data bits: 8
  - Stop bits: 1
  - Parity: None
  - Flow control: None

Figure 5. PuTTY's serial connection settings for connecting to controller



- 5 Click Open. The PuTTY console appears and displays the login prompt as seen in [Figure 6](#).

Figure 6. PuTTY console displaying the login prompt



You have completed configuring the SSH client to connect to the controller CLI.

## Log On to CLI

The following describes the process for logging on to the CLI.

- Log on to the controller using putty/Xssh (any other application) using the user credentials of login name and password as given.

---

**NOTE:** You cannot use 'admin' as a password, which is used during the controller installation procedure.

---

- The Ruckus Wireless controller CLI welcome message appears with the CLI prompt as seen in [Figure 7](#).

Figure 7. Welcome to SCG

```
#####  
# Welcome to SmartCell Gateway 200 #  
#####  
  
Please wait. CLI initializing...  
  
Welcome to the Ruckus SmartCell Gateway 200 Command Line Interface  
Version: 3.1.0.0.235  
  
INDUS4> help  
help  
  
INDUS4> help  
enable          Turn on privileged commands  
exit            Exit from the EXEC  
help           Display this help message  
logout         Exit from the EXEC  
ping           Send ICMP echo request to network host  
ping6          Send ICMP echo request to network host  
traceroute     Print the route packets take to network host  
traceroute6    Print the route packets take to network host  
  
show clock      Show current GMT date time  
show cpuinfo    Show CPU usage status  
show diskinfo   Show Disk usage status  
show meminfo    Show Memory usage status  
show version    Show system version
```

- You are now logged into the controller CLI as a user with limited privileges by looking at the CLI prompt. If you are in limited mode, the prompt appears as **ruckus>** (with a greater than sign). To view a list of commands that are available at the root level or user mode, enter **help** or **?** as seen in [Figure 7](#) and [Figure 8](#).

---

**NOTE:** To change the CLI prompt to a privileged mode, see step 5.

---



Figure 8. Using Show Commands

```

INDUS4> show clock
2015-03-31 10:47:04 GMT

INDUS4> show meminfo
MemTotal:      49361864 kB
MemFree:       29489620 kB
Buffers:       72244 kB
Cached:        1609944 kB
SwapCached:    0 kB

Mem:           total      used      free      shared  buffers  cached
-/+ buffers/cache:  18190056  31171808
Swap:          0          0          0

INDUS4> show diskinfo
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda3       20G  2.2G  17G  12% /
/dev/mapper/vg00-lv00
  501G  6.8G  469G   2% /data
tmpfs           1.0G  792K  1.0G   1% /tmp
/dev/sda1       9.9G  426M  9.0G   5% /boot_mbr

```

- As a user with limited privileges, you can view a history of commands that were previously executed and ping a device as seen in [Figure 9](#).

Figure 9. Using the Ping command

```

INDUS4> show
  clock      Show current GMT date time
  cpuinfo    Show CPU usage status
  diskinfo   Show Disk usage status
  meminfo    Show Memory usage status
  version    Show system version

INDUS4> ping 172.19.10.4
PING 172.19.10.4 (172.19.10.4) 56(84) bytes of data.
64 bytes from 172.19.10.4: icmp_seq=1 ttl=64 time=0.019 ms
64 bytes from 172.19.10.4: icmp_seq=2 ttl=64 time=0.025 ms
64 bytes from 172.19.10.4: icmp_seq=3 ttl=64 time=0.023 ms
64 bytes from 172.19.10.4: icmp_seq=4 ttl=64 time=0.018 ms
64 bytes from 172.19.10.4: icmp_seq=5 ttl=64 time=0.019 ms

```

- If you want to run more commands, you need to switch to privileged mode by entering `enable` and the password at the root prompt as seen in [Figure 10](#). The prompt changes from **ruckus>** to **ruckus#** (with a pound sign) as seen in [Figure 10](#). Refer to [enable](#) command for details.

Figure 10. Changing to privileged mode

```
INDUS4> en → User mode
Password: *****

INDUS4# config → Privileged mode

INDUS4(config)# █
```

# Configuration Commands (a - d)

# 2

This chapter describes the commands that you can use to configure, enable, and disable various controller components. The following table lists the commands.

**NOTE:** For easy access and reading, the configuration chapter has been split into three chapters based on the alphabetical order of commands.

Table 3. Configuration commands

3rd-zone	acct-profile	ad-service	admin	admin-radius
adv-forwarding-profile	ap	ap-auto-tagging	ap-cert-check	ap-certificate-reset
ap-control-mgmt-tos	ap-heartbeat	ap-portal-cert	ap-root-ca	ap-sci
ap-snmp	ap-zone-aggregate	auth-profile	bridge-profile	cert-store
cgf-service	changepassword	clock	cluster-ip-list	cluster-redundancy
data-plane	diameter-remote-service	diameter-system-wide	dns-server-service	do
domain	dp-group			

## config

To execute commands in configuration mode, you need to change the mode to:

```
ruckus(config)#
```

### Example

```
ruckus# config
ruckus(config)#
```

## 3rd-zone

To create or update the third party AP zone configuration, use the following command.

**ruckus(config)# 3rd-zone <name>**

### Syntax Description

This command uses the following syntax:

name: AP zone name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# 3rd-zone indus-ap
```

### Related Commands

- [Table 4](#) lists the related to 3rd-zone configuration commands.
- [Table 5](#) lists the related 3rd-zone-wlan configuration commands

[Table 4](#) lists the related to 3rd-zone configuration commands

Table 4. Commands related to ruckus(config-3rd-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone)# access-network Type: Privileged	[qinq-l2   l2ogre]	Sets the access network to Q-in-Q layer 2 or L2oGRE.
ruckus(config-3rd-zone)# acct-interval Type: Privileged	<minutes>: Interval to send interim update	Sets the accounting interval.
ruckus(config-3rd-zone)# acct-server Type: Privileged		Sets the accounting service.
ruckus(config-3rd-zone)# acct-service-profile Type: Privileged	<name>	Sets the accounting service profile.

Table 4. Commands related to ruckus(config-3rd-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone)# acct-ttg-session Type: Privileged	<name>	Sets the accounting for TTG session.
ruckus(config-3rd-zone)# auth-server Type: Privileged		Sets the authentication service.
ruckus(config-3rd-zone)# auth-service-profile Type: Privileged	<name>	Sets the authentication service profile.
ruckus(config-3rd-zone)# auth-type Type: Privileged		Sets the authentication service type.
ruckus(config-3rd-zone)# bypass-cna Type: Privileged		Enables the bypass CNA.
ruckus(config-3rd-zone)# core-network Type: Privileged		Sets the core network.
ruckus(config-3rd-zone)# default-wlan Type: Privileged		Sets the default WLAN used when WLAN configuration is not found for incoming access VLAN or SSID. At most one default WLAN is allowed in each 3rd party AP zone.
ruckus(config-3rd-zone)# description Type: Privileged	<text>	Sets the description,
ruckus(config-3rd-zone)# do Type: Privileged		Executes the do command.
ruckus(config-3rd-zone)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.

Table 4. Commands related to ruckus(config-3rd-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-3rd-zone)# forwarding-service-profile Type: Privileged	<name>	Sets the core network forwarding profile.
ruckus(config-3rd-zone)# help Type: Privileged		Displays the help.
ruckus(config-3rd-zone)# hotspot-profile Type: Privileged	<name>	Sets the hotspot (WISPr) service profile.
ruckus(config-3rd-zone)# ip Type: Privileged	single-ip <ip> ip-range <ip> <ip> subnet <ip> <mask>	Sets the access network source IP address.
ruckus(config-3rd-zone)# move Type: Privileged	domain <name>	Moves the zone to another domain.
ruckus(config-3rd-zone)# name Type: Privileged	<name>	Sets the 3rd party zone name.
ruckus(config-3rd-zone)# network-traffic-profile Type: Privileged	<name>	Sets the access network traffic profile.
ruckus(config-3rd-zone)# no Type: Privileged	acct-server acct-service-profile acct-ttg-session bypass-cna default-wlan ip radius-client vlan-tag wlan	Disables and deletes commands.

Table 4. Commands related to ruckus(config-3rd-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone)# radius-client Type: Privileged	default-share-secret <password> single-ip <ip> <password> ip-range <ip> <ip> <password> subnet <ip> <mask> <password>	Sets the RADIUS client options.
ruckus(config-3rd-zone)# vlan-tag Type: Privileged	s-vlan <s-vlan-start> <s-vlan-end> c-vlan <c-vlan-start> <c-vlan-end> s-vlan <s-vlan-start> <s-vlan-end> c-vlan <c-vlan-start> <c-vlan-end> vlan-mapping <mapping-vlan-start> <mapping-vlan-end>	Adds access network Q-in-Q VLAN tags.
ruckus(config-3rd-zone)# vlan-type Type: Privileged	qinq strip-qinq strip-svlan-preserve-cvlan strip-qinq-add-vlan <vlan-id>	Sets the core network VLAN mapping type.
ruckus(config-3rd-zone)# wlan Type: Privileged	<ssid>	Sets the WLAN with the SSID number.

Table 5 lists the related 3rd-zone-wlan configuration commands.

Table 5. Commands related to ruckus(config-3rd-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone-wlan)# access-vlan Type: Privileged	[ <start-vlan>   <vlan> ] <end-vlan> <start-vlan>: VLAN range start value <vlan>: Single VLAN value <end-vlan>: VLAN range end value	Adds the access VLAN range.
ruckus(config-3rd-zone-wlan)# acct-server Type: Privileged		Sets the accounting service.
ruckus(config-3rd-zone-wlan)# acct-service-profile Type: Privileged	<name>	Sets the accounting service profile.
ruckus(config-3rd-zone-wlan)# acct-ttg-session Type: Privileged		Enables accounting for TTG sessions.
ruckus(config-3rd-zone-wlan)# auth-server Type: Privileged		Sets the authentication service.
ruckus(config-3rd-zone-wlan)# auth-service-profile Type: Privileged	<name>	Sets the authentication service profile.
ruckus(config-3rd-zone-wlan)# auth-type Type: Privileged		Sets the authentication service type.
ruckus(config-3rd-zone-wlan)# bypass-cna Type: Privileged		Enables bypass CNA.
ruckus(config-3rd-zone-wlan)# core-network Type: Privileged	[ ttg-pdg   bridge ]	Sets the core network.



Table 5. Commands related to ruckus(config-3rd-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-3rd-zone-wlan)# do Type: Privileged		Executes the Executes the do command.
ruckus(config-3rd-zone-wlan)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-3rd-zone-wlan)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-3rd-zone-wlan)# forwarding-service-profile Type: Privileged	<name>	Sets the core network forwarding service profile.
ruckus(config-3rd-zone-wlan)# help Type: Privileged		Displays the help.
ruckus(config-3rd-zone-wlan)# hotspot-profile Type: Privileged	<name>	Sets the hotspot service.
ruckus(config-3rd-zone-wlan)# no Type: Privileged	access-vlan acct-server acct-service-profile acct-ttg-session bypass-cna	Disables or deletes the configurations that have been set.
ruckus(config-3rd-zone-wlan)# vlan-type Type: Privileged	preserve-all qinq <s-vlan-id>	Enables dynamic VLAN.

# acct-profile

To create or update the accounting service profile configuration, use the following command:

```
ruckus(config)# acct-profile <name>
```

## Syntax Description

This command uses the following syntax:

name: Accounting service profile name

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# acct-profile rad-profile
```

## Related Commands

- [Table 6](#) lists the related acct-profile configuration commands.
- [Table 7](#) lists the related acct-profile-realm configuration commands.

[Table 6](#) lists the related acct-profile configuration commands.

Table 6. Commands related to ruckus(config-acct-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-acct-profile)# default Type: Privileged	no-match-realm acct <name> no-realm acct <name>	Set the default service.  No matching or no realm found based on the default accounting service and accounting service name.
ruckus(config-acct-profile)# description Type: Privileged	<text>	Set the description.
ruckus(config-acct-profile)# do Type: Privileged		Executes the do command.

Table 6. Commands related to ruckus(config-acct-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-acct-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-acct-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-acct-profile)# help Type: Privileged		Displays the help.
ruckus(config-acct-profile)# name Type: Privileged	<name>	Sets the accounting service profile name.
ruckus(config-acct-profile)# no Type: Privileged	realm <name>	Disables the realm based on the realm name.
ruckus(config-acct-profile)# realm Type: Privileged	<realm>	Set the accounting service realm.

Table 7 lists the related acct-profile-realm configuration commands.

Table 7. Commands related to ruckus(config-acct-profile-realm)

Syntax and Type	Parameters (if any)	Description
ruckus(config-acct-profile-realm)# acct-service Type: Privileged	<name>	Sets the accounting service.
ruckus(config-acct-profile-realm)# do Type: Privileged		Executes the do command.
ruckus(config-acct-profile-realm)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-acct-profile-realm)# exit Type: Privileged		Exits from the EXEC.

Table 7. Commands related to ruckus(config-acct-profile-realm)

Syntax and Type	Parameters (if any)	Description
ruckus(config-acct-profile-realm)# help Type: Privileged		Displays the help.
ruckus(config-acct-profile-realm)# name Type: Privileged	<name>	Sets the realm name.

## ad-service

To create or update the active directory service configuration, use the following command:

**ruckus(config)# ad-service <name>**

Once you enter the config-admin context, you can configure the rest of the administrator's profile (see example below).

### Syntax Description

This command uses the following syntax:

name: Active service directory name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ad-service ads
ruckus(config-ad-service)#
```

## Related Commands

Table 9 lists the related ad-service configuration commands.

Table 8. Commands related to ruckus(config-ad-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ad-service)# admin-domain-name Type: Privileged	<domain-name>	Sets the administrator domain name. This field is applicable on executing the group attribute command.
ruckus(config-ad-service)# admin-password Type: Privileged	<password>	Sets the administrator domain password. This field is applicable on executing the group attribute command.
ruckus(config-ad-service)# description Type: Privileged	<text>	Sets the description
ruckus(config-ad-service)# do Type: Privileged		Executes the do command.
ruckus(config-ad-service)# email Type: Privileged	<email>	Sets the user's email details.
ruckus(config-ad-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ad-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ad-service)# friendly-name Type: Privileged	<friendly-name>	Sets friendly name for the active service directory.
ruckus(config-ad-service)# global-catalog Type: Privileged	<friendly-name>	Enables the global catalog support
ruckus(config-ad-service)# group-attrs Type: Privileged	<attr-value>: Group attribute value <user-role>: User Role	Sets the user traffic profile mapping.

Table 8. Commands related to ruckus(config-ad-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ad-service)# help Type: Privileged		Displays the help.
ruckus(config-ad-service)# ip-address Type: Privileged	<ip> - Sets the primary server IP address	Sets the primary service IP address.
ruckus(config-ad-service)# name Type: Privileged	<name>	Sets the active directory service name.
ruckus(config-ad-service)# no Type: Privileged	<global-catalog> <group-attrs> <attr-value>	Disables the commands.
ruckus(config-ad-service)# port Type: Privileged	<port>	Sets the primary server port.
ruckus(config-ad-service)# windows-domain-name Type: Privileged	<domain-name> Example: dc=domain, dc=ruckuswireless, dc=com	Sets the windows domain name
ruckus(config-ad-service)# test Type: Privileged	<username> <password>	Tests the AAA Server
ruckus(config-ad-service)# title Type: Privileged	<text>	Sets the user's job title.

## admin

To create or update the administrator's profile (including the email address, login ID and password), use the following command:

**ruckus(config)# admin <name>**

Once you enter the config-admin context, you can configure the rest of the administrator's profile (see example below).

### Syntax Description

This command uses the following syntax:

name: Administrator user name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# admin joe
ruckus(config-admin)# email joe@company.com
ruckus(config-admin)# password admin!234
ruckus(config-admin)# phone 22870001
ruckus(config-admin)# real-name "Joe Admin"
ruckus(config-admin)# title CTO
ruckus(config-admin)# radius radius-1
ruckus(config-admin-radius)# ip 1.1.1.1
ruckus(config-admin-radius)# port 1813
ruckus(config-admin-radius)# realm tw1
ruckus(config-admin-radius)# shared-secret 11
Retype: **
ruckus(config-admin-radius)# exit
ruckus(config-admin)# exit
ruckus(config)#
```

**Related Commands**

[Table 9](#) lists the related admin configuration commands.

Table 9. Commands related to ruckus(config-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-admin)# do Type: Privileged		Executes the do command.
ruckus(config-admin)# email Type: Privileged	<email>	Set the user's email details.
ruckus(config-admin)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-admin)# exit Type: Privileged		Exits from the EXEC.

Table 9. Commands related to ruckus(config-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-admin)# help Type: Privileged		Displays the help.
ruckus(config-admin)# password Type: Privileged	<password>	Set the password for user.
ruckus(config-admin)# phone Type: Privileged	<phone>	Set the phone number of the user.
ruckus(config-admin)# real-name Type: Privileged	<name>	Set the real name of the user.
ruckus(config-admin)# title Type: Privileged	<text>	Set the user's job title.

## admin-radius

To configure the RADIUS server for administrators use the following command:

**ruckus(config)# admin-radius**

### Syntax Description

This command uses the following syntax:

name: RADIUS server name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# admin-radius aaa-auth
```



## Related Commands

Table 10 lists the related config-admin-radius configuration commands.

Table 10. Commands related to ruckus(config-admin-radius)

Syntax and Type	Parameters (if any)	Description
ruckus(config-admin-radius)# backup Type: Privileged	ip <ip> - Sets the IP address of secondary RADIUS server port <port>: Sets the port of secondary RADIUS server shared-secret: Sets the shared secret of secondary RADIUS server request-timeout <seconds> - Sets the request timeout in seconds for failover policy max-retry <number>: Sets the maximum number of retries for failover policy retry-prlnvl <minutes>: Sets the reconnect to primary server in minutes for failover policy	Enables RADIUS backup.
ruckus(config-admin-radius)# do Type: Privileged		Executes the do command.
ruckus(config-admin-radius)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-admin-radius)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-admin-radius)# help Type: Privileged		Displays the help.

Table 10. Commands related to ruckus(config-admin-radius)

Syntax and Type	Parameters (if any)	Description
ruckus(config-admin-radius)# ip Type: Privileged	<ip>	Sets the IP addresses of the primary RADIUS server.
ruckus(config-admin-radius)# name Type: Privileged	<name>	Sets the RADIUS server name.
ruckus(config-admin-radius)# no Type: Privileged	backup	Disables the command.
ruckus(config-admin-radius)# port Type: Privileged	<port>	Sets the port addresses of the primary RADIUS server.
ruckus(config-admin-radius)# realm Type: Privileged	<realms> Multiple realms supported. Use a comma (,) to separate realms (example:home1,home2)	Sets the realms.
ruckus(config-admin-radius)# service Type: Privileged	<services>: Multiple services supported. Use a comma (,) to separate services (example:home1,home2)	Sets the services.
ruckus(config-admin-radius)# shared-secret Type: Privileged	<shared-secret> Shared secret between 1 and 255.	Sets the shared secret of the primary RADIUS server.
ruckus(config-admin-radius)# test Type: Privileged	<username> <password> [PAP   CHAP]	Tests the RADIUS server based on the user credentials and protocol settings.
ruckus(config-admin-radius)# type Type: Privileged	[ radius   tacacs ]	Sets the admin authentication type,

## adv-forwarding-profile

To enter the advanced (mixed mode) profile configuration, use the following command:

```
ruckus(config)# adv-forwarding-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# adv-forwarding-profile ttg-pdg
```

### Related Commands

- [Table 11](#) lists related adv-forwarding-profile configuration commands.
- [Table 12](#) lists the related adv-forwarding-profile-apn configuration commands.

[Table 11](#) lists commands related to adv-forwarding-profile configuration commands.

Table 11. Commands related to ruckus(config-adv-forwarding-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-adv-forwarding-profile)# apn Type: Privileged	nioi <apn> ni <apn>	Creates or updates the forwarding policy for APN configuration commands.
ruckus(config-adv-forwarding-profile)# default Type: Privileged		Sets the APN default settings.
ruckus(config-adv-forwarding-profile)# description Type: Privileged	<text>	Sets the description. Length is between 1 and 128.

Table 11. Commands related to ruckus(config-adv-forwarding-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-adv-forwarding-profile)# do Type: Privileged		Executes the do command.
ruckus(config-adv-forwarding-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-adv-forwarding-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-adv-forwarding-profile)# help Type: Privileged		Displays the help.
ruckus(config-adv-forwarding-profile)# name Type: User	<text>	Sets the advanced (mixed mode) profile name.
ruckus(config-adv-forwarding-profile)# no Type: User	apn <apn> realm <realm>	Delete forwarding policies for APN or default APNs for realm.
ruckus(config-adv-forwarding-profile)# realm Type: Privileged		Creates or updates the default APN for realm.

Table 12 lists the related adv-forwarding-profile-apn configuration commands.

Table 12. Commands related to ruckus(config-adv-forwarding-profile-apn)

Syntax and Type	Parameters (if any)	Description
ruckus(config-adv-forwarding-profile-apn)# do Type: Privileged		Executes the do command.
ruckus(config-adv-forwarding-profile-apn)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-adv-forwarding-profile-apn)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-adv-forwarding-profile-apn)# help Type: Privileged		Displays the help.
ruckus(config-adv-forwarding-profile-apn)# profile Type: Privileged		Sets the forwarding service profile. To view this command run the route-type command.
ruckus(config-adv-forwarding-profile-apn)# route-type Type: Privileged	[ bridge   l3ogre ]	Sets the route type to either bridge or L3oGRE.

## ap

To update the AP configuration, use the following commands:

```
ruckus(config)# ap <mac>
ruckus(config)# ap <apMac> pre-prov
ruckus(config)# ap pre-prov <import <ftp-url>> <export <ftp-url>>
ruckus(config)# ap swap <import <ftp-url>> <export <ftp-url>>
```

### Syntax Description

This command uses the following syntax:

```
<mac> lock
    <mac>: AP MAC address
    lock: Lock AP
<apMac> pre-prov
    <mac>: AP MAC address
    pre-prov: Updates pre-provision configuration
<mac> swap
    <mac>: AP MAC address
    swap: Updates swap configuration
<mac> trigger-swap
    <mac>: AP MAC address
    trigger-swap: Trigger swap action
<mac> move zone <name>
    <mac>: AP MAC address
    move: Move AP
    zone: Target AP zone
    <name>: AP zone name
<mac> trigger-prefer-node
    <mac>: AP MAC address
    trigger-prefer-node: Trigger preferred node
```

### Default

This command has no default settings.

### Command Mode

Config

**Example**

```
ruckus(config)# ap mac
    ruckus(config)# ap A1:87:45:34:56:FE

ruckus(config)# ap pre-prov <export <ftp-url>>
    ruckus(config)# ap pre-prov import ftp://
    ruckus:ruckus1!@172.19.7.100/backup/AP_ad8745345

ruckus(config)# ap swap <import <ftp-url>>
    ruckus(config)# ap swap export ftp://
    ruckus:ruckus1!@172.19.7.100
```

**Related Commands**

- [Table 13](#) lists the related ap profile configuration commands.
- [Table 14](#) lists the related ap model configuration commands.
- [Table 15](#) lists the related ap model lan1 configuration commands.
- [Table 15](#) lists the related ap pre-prov configuration commands.

[Table 13](#) lists the related ap profile configuration commands.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# admin Type: Privileged	<logon> <password>	Sets the administrative logon credentials.
ruckus(config-ap)# admin-mode Type: Privileged	<locked> <unlocked>	Sets the administrative mode to either locked or unlocked.
ruckus(config-ap)# ap-logon Type: Privileged	<logon-id>	Sets the access point administration login credentials.
ruckus(config-ap)# ap-model Type: Privileged	<ap-model>	Sets the model specification (overrides the zone configuration).
ruckus(config-ap)# ap-password Type: Privileged	<password>	Sets the access point administrative password.
ruckus(config-ap)# area-code Type: Privileged	<areacode>	Sets the user location information of LAC or TAC.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# bonjour-gateway Type: Privileged		Enables the bonjour gateway.
ruckus(config-ap)# bonjour-policy Type: Privileged		Enables the bonjour policy.
ruckus(config-ap)# channel-evaluation-interval Type: Privileged	<seconds>: The interval value (60~3600 secs)	Sets the channel evaluation interval.
ruckus(config-ap)# channel-select-mode Type: Privileged	2.4g\${value}: 2.4GHz radio 5g\${value}: 5GHz radio	Automatically adjusts the AP channels.
ruckus(config-ap)# channelfly-mtbc Type: Privileged	2.4g\$ <number>: 2.4GHz radio <number>: MTBC value range:100-1440 5g\$ <number>: 5GHz radio <number>: MTBC value range:100-1440	Set MTBC value of Channelfly.



Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# client-admission-control Type: Privileged	2.4g 5g 2.4g minClientCount <minClientCount> Min Client Count (Default: 10) 2.4g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%) 2.4g minClientThroughput <minClientThroughput>: Min Client Throughput (Default: 0.0Mbps) 5g minClientCount <minClientCount> Min Client Count (Default: 20) 5g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%) 5g minClientThroughput <minClientThroughput> Min Client Throughput (Default: 0.0Mbps)	Enables the client admission control.
ruckus(config-ap)# description Type: Privileged	<description>	Sets the model specification (overrides the zone configuration).
ruckus(config-ap)# device-ip-mode Type: Privileged	[ ipv6   ipv4   dual]	Sets the device IP mode.
ruckus(config-ap)# do Type: Privileged		Executes the do command.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-ap)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ap)# gps Type: Privileged	<latitude> <longitude>	Sets the GPS coordinates to latitude and longitude values.
ruckus(config-ap)# gps-latitude Type: Privileged	<gps-latitude>	Sets the GPS coordination latitude.
ruckus(config-ap)# gps-longitude Type: Privileged	<gps-longitude>	Sets the GPS coordination longitude.
ruckus(config-ap)# help Type: Privileged		Displays the help.
ruckus(config-ap)# hotspot20 Type: Privileged	<name> [ swe   cze   spa   eng   chi   ger   fre   jpn   dan   tur ] <name>: Name swe: Swedish cze: Czech spa: Spanish eng: English chi: Chinese ger: German fre: French jpn: Japanese dan: Danish tur: Turkish	Sets the hotspot 2.0 settings.
ruckus(config-ap)# ip Type: Privileged	address <ip> <network- mask> <gateway>  name-server <dns- server> secondary	Sets the IP address and primary and secondary DNS servers.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# ip6 Type: Privileged	<ul style="list-style-type: none"> <li>• address   &lt;ip&gt;&lt;gateway&gt;:               <ul style="list-style-type: none"> <li>• address: Set IPv6 address</li> <li>• &lt;ip&gt;: Static IPv6 address</li> <li>• &lt;gateway&gt;: Gateway</li> </ul> </li> <li>• name-server &lt;dns-server&gt; secondary               <ul style="list-style-type: none"> <li>• name-server: Set primary and secondary DNS server</li> <li>• &lt;dns-server&gt;: DNS server</li> <li>• secondary: Secondary DNS server</li> </ul> </li> </ul>	Sets the AP IPv6 network settings.
ruckus(config-ap)# location Type: Privileged	<location>	Sets the location.
ruckus(config-ap)# location-additional-info Type: Privileged	<text>	Sets the additional information for location.
ruckus(config-ap)# mesh Type: Privileged	[ disable   mesh   root   auto ]	Sets the mesh mode to either: <ul style="list-style-type: none"> <li>• disable: Disable</li> <li>• mesh: Mesh AP</li> <li>• root: Root AP</li> <li>• auto: Auto</li> </ul>
ruckus(config-ap)# model Type: Privileged		Sets the model specifications. It overrides the zone configuration.
ruckus(config-ap)# name Type: Privileged	<name>	Sets the AP name.



Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# no Type: Privileged	venue-profile	Disables the configuration.
ruckus(config-ap)# override-ap- mgmt-vlan Type: Privileged	<vlanTag>: VLAN tag (1- 4094) enter 'keep' to retain the APs setting.	Overrides AP Management VLAN
ruckus(config-ap)# override- channel-select-mode Type: Privileged	2.4g: 2.4GHz radio 5g: 5 GHZ radio	Overrides Auto Channel Selection Mode and Channelfly MTBC.
ruckus(config-ap)# override-client- admission-control Type: Privileged	<2.4g> <5g>	Overrides the client admission control.
ruckus(config-ap)# override- smart-mon Type: Privileged		Overrides the smart monitor.
ruckus(config-ap)# override- syslog-opt Type: Privileged		Overrides the Syslog option.
ruckus(config-ap)# override-zone- location Type: Privileged		Overrides the zone location settings.
ruckus(config-ap)# override-zone- location-additional-info Type: Privileged		Overrides the zone's additional information setting on location.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# radio Type: Privileged	2.4g channel <channel> 5g channel <channel> 2.4g channelization <channelization> 5g channelization <channelization> 2.4g tx-power <tx- power> 5g tx-power <tx-power> 2.4g wlan-service 5g wlan-service 2.4g wlan-group <name> 5g wlan-group <name> 2.4g roam [ enable   disable ] 5g roam [ enable   disable ]	Sets the radio channels.
ruckus(config-ap)# smart-mon Type: Privileged	interval <between 5-60> threshold <between 1- 10>	Enables the smart monitor.
ruckus(config-ap)# swap-in-ap Type: Privileged	<mac>	Sets the AP Mac IP address for swap-in.

Table 13. Commands related to ruckus(config-ap)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# syslog Type: Privileged	enable <ip> <port> - Enable the syslog server enable <ip> <port> [ Local2   Keep Original   Local1   Local5   Local6   Local0   Local7   Local3   Local4 ] [ Error   Critical   Warning   All   Alert   Notice   Info   Emergency ]  disable - Disables the syslog server	Sets the syslog server.
ruckus(config-ap)# uplink Type: Privileged	[ smart   manual ]	Sets the uplink selection to either smart or manual.
ruckus(config-ap)# uplink-ap Type: Privileged		Sets the uplink to manual access point.
ruckus(config-ap)# venue-profile Type: Privileged	<name>	Sets the venue profile
ruckus(config-ap)# zone Type: Privileged	<name>	Move the access point to another zone.

Table 14 lists the related to ap-model configuration commands.

Table 14. Commands related to ruckus(config-ap-model)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model)# do Type: Privileged		Executes the do command.
ruckus(config-ap-model)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ap-model)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ap-model)# ext-ant Type: Privileged	2.4g <number> - 2.4 with DBI number 2.4gg <number> [ 3   2 ] - 3/2 antennas <numbers>: DBI number 5g <number> - 5g with DBI number 5gg <number> [ 2   3 ] - 5gg with 2/3 antennas	Enables the external antenna.
ruckus(config-ap-model)# help Type: Privileged		Displays the help.
ruckus(config-ap-model)# internal-heater Type: Privileged		Enables the internal heater.
ruckus(config-ap-model)# lan1 ruckus(config-ap-model)# lan2 ruckus(config-ap-model)# lan3 ruckus(config-ap-model)# lan4 ruckus(config-ap-model)# lan5 Type: Privileged		Sets the LAN configurations from 1 to 5.
ruckus(config-ap-model)# led Type: Privileged		Enables the status of LEDs.



Table 14. Commands related to ruckus(config-ap-model)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model)# led-mode Type: Privileged		Sets the LED mode.
ruckus(config-ap-model)# lldp Type: Privileged		Enables link layer discovery protocol.
ruckus(config-ap-model)# lldp-ad-interval Type: Privileged	<seconds>	Sets the LLDP advertise interval.
ruckus(config-ap-model)# lldp-hold-time Type: Privileged	<seconds>	Sets the LLDP hold time.
ruckus(config-ap-model)# lldp-mgmt Type: Privileged		Enables LLDP management IP TLV.
ruckus(config-ap-model)# no Type: Privileged	ext-ant internal-heater lan1 lan2 lan3 lan4 lan5 led lldp lldp-mgmt poe-operating-mode poe-out-port radio-band usb usb-software	Disables or deletes the settings that have been configured.
ruckus(config-ap-model)# poe-operating-mode Type: Privileged	\$(value)	Switches the PoE mode.

Table 14. Commands related to ruckus(config-ap-model)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model)# poe-out-port Type: Privileged		Enables the PoE out port.
ruckus(config-ap-model)# radio-band Type: Privileged	`\${value}`	Switches the radio band.
ruckus(config-ap-model)# usb Type: Privileged		Enables the USB port.
ruckus(config-ap-model)# usb-software Type: Privileged	`\${value}`	Sets the AP USB software package.

Table 15 lists the related to ap-model-lan1 configuration commands.

Table 15. Commands related to ruckus(config-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model-lan1)# 8021x Type: Privileged	<802.1x-type>	Sets 802.1x.
ruckus(config-ap-model-lan1)# acct-service Type: Privileged	<acct-service>	Sets the authentication service configurations.
ruckus(config-ap-model-lan1)# auth-service Type: Privileged	<auth-service>	Sets the authentication service configurations.
ruckus(config-ap-model-lan1)# do Type: Privileged		Executes the do command.
ruckus(config-ap-model-lan1)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ap-model-lan1)# exit Type: Privileged		Exits from the EXEC.

Table 15. Commands related to ruckus(config-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model-lan1)# help Type: Privileged		Displays the help.
ruckus(config-ap-model-lan1)# mac-bypass Type: Privileged		Sets the MAC bypass.
ruckus(config-ap-model-lan1)# members Type: Privileged	<members>	Sets the AP model configurations.
ruckus(config-ap-model-lan1)# no Type: User	acct-service mac-bypass overwrite	Disables or deletes the settings that have been configured.
ruckus(config-ap-model-lan1)# overwrite Type: Privileged		Enable overwriting of VLAN
ruckus(config-ap-model-lan1)# profile Type: Privileged	<profile> Ethernet port profile	Sets Ethernet port profile
ruckus(config-ap-model-lan1)# supplicant Type: Privileged	mac  custom <username> <password>	Sets the supplicant.
ruckus(config-ap-model-lan1)# type Type: Privileged	[trunk-port   access-port   general-port]	Sets the port type.
ruckus(config-ap-model-lan1)# vlan-untag-id Type: Privileged	<untag-id> VLAN untag ID	Sets the VLAN untag ID.
ruckus(config-ap-model-lan1)# vlan-members Type: Privileged	<members> VLAN members	Sets the VLAN members.

Table 16 lists the related to ap-pre-prov configuration commands.

Table 16. Commands related to ruckus(config-ap-pre-prov)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-pre-prov)# ip6 Type: Privileged		Sets IPV6 network settings.
ruckus(config-ap-pre-prov)# ip6 address Type: Privileged	<ip>: IP address <gateway>: Gateway	Sets the IPV6 address and gateway.
ruckus(config-ap-pre-prov)# ip6 name-server Type: Privileged	<primary-dns>: Primary DNS. <secondary-dns> secondary: Secondary DNS	Sets the primary or secondary DNS.

## ap-auto-tagging

To setup critical access point auto tagging rules or to enable auto tagging critical access points, use the following command:

**ruckus(config)# ap-auto-tagging <enable>**

**ruckus(config)# ap-auto-tagging rule <daily-threshold <threshold> [ g | m ]>>**

### Syntax Description

This command uses the following syntax:

enable: Enable the auto tagging critical APs

rule: Select the auto tagging rule

daily-threshold: Daily traffic bytes that exceeds the threshold rule

g: Threshold value in gigabytes

m: Threshold value in megabytes

### Default

This command has no default settings.

### Command Mode

Config

**Example**

```
ruckus(config)# ap-auto-tagging enable
ruckus(config)# ap-auto-tagging rule daily-threshold 90 g
```

**Related Commands**

Table 17 lists the related to ap-auto-tagging configuration commands.

Table 17. Commands related to ruckus(config-ap-auto-tagging)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-auto-tagging)# do Type: Privileged		Executes the do command.
ruckus(config-ap-auto-tagging)# enable Type: Privileged		Enables the auto tagging for critical APs.
ruckus(config-ap-auto-tagging)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ap-auto-tagging)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ap-auto-tagging)# help Type: Privileged		Displays the help.
ruckus(config-ap-auto-tagging)# no Type: Privileged	<enable>	Disables the auto tagging for critical APs.
ruckus(config-ap-auto-tagging)# rule Type: Privileged	<daily-threshold>	Sets the auto tagging rule to daily traffic bytes, which exceeds the threshold rule.
ruckus(config-ap-auto-tagging)# threshold Type: Privileged	<threshold>	Sets the threshold value.
ruckus(config-ap-auto-tagging)# unit Type: Privileged	[ m   g ]	Sets the unit to either megabytes or gigabytes.

## ap-cert-check

To enable the access point certificate check, use the following command:

```
ruckus(config)# ap-cert-check
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has the default settings of enable.

### Command Mode

Config

### Example

```
ruckus(config)# ap-cert-check  
Successful operation
```

## ap-certificate-reset

To reset the access point certificate request that failed to update the certificate, use the following command:

```
ruckus(config)# ap-certificate-reset
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-certificate-reset
```

## ap-control-mgmt-tos

To enable the access control and management traffic type of service and values, use the following command:

```
ruckus(config)# ap-control-mgmt-tos <value>
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command uses the following syntax:

value: TOS value

### Command Mode

Config

### Example

```
ruckus(config)# ap-control-mgmt-tos 10
```

## ap-heartbeat

To setup the access point heartbeat, use the following command:

```
ruckus(config)# ap-heartbeat <seconds>
```

### Syntax Description

This command uses the following syntax:

seconds: Interval in seconds, which the AP sends the heartbeat to the controller  
such as: 30, 60, 150 and 300

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-heartbeat 30
```

## ap-portal-cert

To update the AP portal certificate configuration, use the following command:

```
ruckus(config)# ap-portal-cert
```

### Syntax Description

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# ap-portal-cert
```

**Related Commands**

- [Table 18](#) lists the related to ap-portal-cert configuration commands.
- [Table 19](#) lists the related to ap-portal-cert-generate-csr configuration commands.

[Table 18](#) lists the related to ap-portal-cert configuration commands.

Table 18. Commands related to ruckus(config-ap-portal-cert)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-portal-cert)# do Type: Privileged		Executes the do command.
ruckus(config-ap-portal-cert)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ap-portal-cert)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ap-portal-cert)# help Type: Privileged		Displays the help.
ruckus(config-ap-portal-cert)# generate-csr Type: Privileged	<ftp-url> FTP URL, format: ftp:/<username>:<password>@<ftp-host>[/<dir-path>]	Generates the certificate signing request.
ruckus(config-ap-portal-cert)# upload-cert Type: Privileged	<ftp-url> FTP URL, format: ftp:/<username>:<password>@<ftp-host>[/<dir-path>]	Uploads the certificate.



Table 19 lists the related to ap-portal-cert-generate-csr configuration commands.

Table 19. Commands related to ruckus(config-ap-portal-cert-generate-csr)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-portal-cert-generate-csr)# city Type: Privileged	<city>	Sets the city name.
ruckus(config-ap-portal-cert-generate-csr)# common-name Type: Privileged	<name>	Sets the domain name.
ruckus(config-ap-portal-cert-generate-csr)# country Type: Privileged	<country>	Sets the county.
ruckus(config-ap-portal-cert-generate-csr)# email Type: Privileged	<email>	Sets the email address.
ruckus(config-ap-portal-cert-generate-csr)# organization Type: Privileged	<organization>	Sets the organization name.
ruckus(config-ap-portal-cert-generate-csr)# state Type: Privileged	<state>	Sets the state name.
ruckus(config-ap-portal-cert-generate-csr)# unit Type: Privileged	<unit>	Sets the unit name.

## ap-root-ca

To update the AP root CA, use the following command:

```
ruckus(config)# ap-root-ca <ftp-url>
```

### Syntax Description

This command uses the following syntax:

ftp-url: AP Root CA file, FTP URL Format: ftp://<username>:<password>@<ip>/<file-path>

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-root-ca ftp://mahan:ruckus1!@172.19.7.100/  
backup/AP_ad87453456fe.csv
```

## ap-sci

To enable the access point SCI, use the following command:

```
ruckus(config)# ap-sci enable
```

### Syntax Description

This command uses the following syntax:

enable: Enables the AP SCI.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-sci enable
```

## ap-snmp

To enable SNMP on AP, use the following command:

**ruckus(config)# ap-snmp**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-snmp
```

## ap-zone-aggregate

To enable AP zone aggregation, use the following command:

**ruckus(config)# ap-zone-aggregate enable**

### Syntax Description

This command uses the following syntax:

enable: Enables AP zone aggregation.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ap-zone-aggregate enable
```

## auth-profile

To enter authentication service profile configuration, use the following command:

```
ruckus(config)# auth-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Authentication service profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# auth-profile aaa-auth
```

### Related Commands

- [Table 20](#) lists the related auth profile configuration commands.
- [Table 21](#) lists the related auth profile realm configuration commands.

[Table 20](#) lists the related auth-profile configuration commands.

Table 20. Commands related to ruckus(config-auth-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-auth-profile)# aaa-interim-acct-interval Type: Privileged	<seconds>	Sets the interim accounting interval for hosted AAA server.
ruckus(config-auth-profile)# aaa-session-idle-timeout Type: Privileged	<seconds>	Set the session idle timeout for hosted AAA server.
ruckus(config-auth-profile)# aaa-session-timeout Type: Privileged	<seconds>	Set the session timeout for hosted AAA server
ruckus(config-auth-profile)# aaa-support Type: Privileged		Enables hosted AAA support.

Table 20. Commands related to ruckus(config-auth-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-auth-profile)# default Type: Privileged		Sets default services.
ruckus(config-auth-profile)# description Type: Privileged	<text>	Sets the descriptions.
ruckus(config-auth-profile)# do Type: Privileged		Executes the do command.
ruckus(config-auth-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-auth-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-auth-profile)# gpp-support Type: Privileged		Enables 3GPP support.
ruckus(config-auth-profile)# help Type: Privileged		Displays the help.
ruckus(config-auth-profile)# no Type: Privileged	aaa-support gpp-support realm <realm>	Disables the commands.
ruckus(config-auth-profile)# realm Type: Privileged	<realm>	Sets the realm.
ruckus(config-auth-profile)# sgsn-mcc Type: Privileged	<mcc>	Sets the mobile country code.
ruckus(config-auth-profile)# sgsn-mnc Type: Privileged	<mnc>	Sets the mobile network code.

Table 21 lists the related auth-profile-realm configuration commands.

Table 21. Commands related to ruckus(config-auth-profile-realm)

Syntax and Type	Parameters (if any)	Description
ruckus(config-auth-profile-realm)# auth-method Type: Privileged		Sets the authorization method.
ruckus(config-auth-profile-realm)# auth-service Type: Privileged	<name>	Sets the authentication service.
ruckus(config-auth-profile-realm)# dynamic-vlan Type: Privileged	<vlan-id>	Sets the dynamic VLAN ID.
ruckus(config-auth-profile-realm)# do Type: Privileged		Executes the do command.
ruckus(config-auth-profile-realm)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-auth-profile-realm)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-auth-profile-realm)# help Type: Privileged		Displays the help.

# bridge-profile

To create or update the bridge profile configuration, use the following command:

**ruckus(config)# bridge-profile <name>**

## Syntax Description

This command uses the following syntax:

name: Authorization service profile name

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# bridge-profile auth-prof
```

## Related Commands

- [Table 22](#) lists the related bridge-profile configuration commands.
- [Table 22](#) lists the related bridge-profile-dhcp-option82 configuration commands.

[Table 22](#) lists the related bridge-profile configuration commands.

Table 22. Commands related to ruckus(config-bridge-profile) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-bridge-profile)# description Type: Privileged	<text>	Sets the description
ruckus(config-bridge-profile)# dhcp-option-82 Type: Privileged		Enables the DHCP Option 82.
ruckus(config-bridge-profile)# dhcp-relay Type: Privileged		Enables the DHCP relay. It also enable DHCP Option 82, DHCP server 1 and 2,
ruckus(config-bridge-profile)# dhcp-server1 Type: Privileged	<ip>	Sets the DHCP Server 1

Table 22. Commands related to ruckus(config-bridge-profile) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-bridge-profile)# dhcp-server2 Type: Privileged	<ip>	Sets the DHCP Server 1
ruckus(config-bridge-profile)# do Type: Privileged		Executes the do command.
ruckus(config-bridge-profile)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-bridge-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-bridge-profile)# help Type: Privileged		Displays the help.
ruckus(config-bridge-profile)# name Type: Privileged	<name>	Set the authentication service profile name
ruckus(config-bridge-profile)# no Type: Privileged	dhcp-option82 dhcp-relay dhcp-server2 relay-both	Disables DHCP Option 82, DHCP Relay or deletes DHCP Server 2
ruckus(config-bridge-profile)# relay-both Type: Privileged		Enables sending DHCP requests to both the servers simultaneously.



Table 23 lists the related bridge-profile-dhcp-option82 configuration commands.

Table 23. Commands related to ruckus(config-bridge-profile-dhcp-option82)

Syntax and Type	Parameters (if any)	Description
ruckus(config-bridge-profile-dhcp-option82)# do Type: Privileged		Executes the do command.
ruckus(config-bridge-profile-dhcp-option82)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-bridge-profile-dhcp-option82)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-bridge-profile-dhcp-option82)# help Type: Privileged		Displays the help.
ruckus(config-bridge-profile-dhcp-option82)# no Type: Privileged	subopt1 subopt150 subopt151 subopt2	Disables various options
ruckus(config-bridge-profile-dhcp-option82)# subopt1 Type: Privileged	[ ap-info   ap-ssid   ap-mac ]	Enables subopt-1
ruckus(config-bridge-profile-dhcp-option82)# subopt150 Type: Privileged		Enables subopt-150
ruckus(config-bridge-profile-dhcp-option82)# subopt151 Type: Privileged	ssid area-name <name>	Enables subopt-151
ruckus(config-bridge-profile-dhcp-option82)# subopt2 Type: Privileged	[ ap-ssid   ue-ssid   ue-mac   ap-mac ]	Enables subopt-2

## cert-store

To create or update certificate configurations, use the following command:

```
ruckus(config)# cert-store ap-cert <name>
ruckus(config)# cert-store cert <name>
ruckus(config)# cert-store csr <name>
ruckus(config)# cert-store hotspot-cert <name>
ruckus(config)# cert-store web-cert <name>
```

### Syntax Description

This command uses the following syntax:

- ap-cert <name>: Create / updates the AP port certificate
- cert <name>: Create / updates the certificate configuration
- csr <name>: Create / updates CSR (Certificate Signing Request) configuration
- hotspot-cert <name>: Sets the hotspot certificate
- web-cert <name>: Sets the management web certificate

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# cert-store cert apcert
ruckus(config-cert)#
```

## Related Commands

Table 24 lists the related cert-store configuration commands.

Table 24. Commands related to ruckus(config-cert-store) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-cert-store)# cert Type: Privileged	<ftp-url>  <ftp-url> append	Uploads the certificate file.
ruckus(config-cert-store)# city Type: Privileged	<city>	Sets the city
ruckus(config-cert-store)# common-name Type: Privileged	<domain-name>	Sets the domain name
ruckus(config-cert-store)# country Type: Privileged	<country>	Sets the country.
ruckus(config-cert-store)# description Type: Privileged	<text>	Sets the description
ruckus(config-cert-store)# do Type: Privileged		Executes the do command.
ruckus(config-cert-store)# email Type: Privileged	<email>	Sets the email address.
ruckus(config-cert-store)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-cert-store)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cert-store)# help Type: Privileged		Displays the help.
ruckus(config-cert-store)# inter-cert Type: Privileged	<ftp-url>	Uploads the intermediate CA certificate.
ruckus(config-cert-store)# name Type: Privileged	<name>	Sets the certificate name.

Table 24. Commands related to ruckus(config-cert-store) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-cert-store)# no Type: Privileged	inter-cert root-cert	Removes the certificates.
ruckus(config-cert-store)# organization Type: Privileged	<org>	Sets the organization.
ruckus(config-cert-store)# passphrase Type: Privileged	<passphrase>	Sets the key passphrase.
ruckus(config-cert-store)# private- key Type: Privileged	upload <ftp-url> csr <csr-name>	Sets the private key.
ruckus(config-cert-store)# root-cert Type: Privileged	<ftp-url>	Select the root certificate.
ruckus(config-cert-store)# server- cert Type: Privileged	<ftp-url>	Uploads the server certificate.
ruckus(config-cert-store)# state Type: Privileged	<state>	Sets the state
ruckus(config-cert-store)# unit Type: Privileged	<org-unit>	Sets the organization unit.

## cgf-service

To setup the CGF service configuration, use the following command:

```
ruckus(config)# cgf-service <name>
```

### Syntax Description

This command uses the following syntax:

name: CGF service name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# cgf-service charge-ser
```

### Related Commands

- [Table 25](#) lists the related cgf service profile configuration commands.
- [Table 26](#) lists the related cgf service ftp server configuration commands.
- [Table 27](#) lists the related cgf service server configuration commands.

[Table 25](#) lists the related cgf-service profile configuration commands.

Table 25. Commands related to ruckus(config-cgf-service) profile

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service)# auto-export-ftp Type: Privileged		Enables the auto export through FTP. To view this command execute charging-mode command with the option as both.
ruckus(config-cgf-service)# cdr-node-id Type: Privileged	<node-id>	Enables the node ID. The length range is between 1 and 20.
ruckus(config-cgf-service)# cdr-response-timeout Type: Privileged	<seconds>	Sets the CDR response timeout.

Table 25. Commands related to ruckus(config-cgf-service) profile

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service)# cdr-retry Type: Privileged	<retry-times>	Sets the CDR retries.
ruckus(config-cgf-service)# cdr-send-apn-network-id Type: Privileged		Enables in sending the APN network identifier to the CDR.
ruckus(config-cgf-service)# cdr-send-apn-op-id Type: Privileged		Enables sending the APN operator identifier.
ruckus(config-cgf-service)# cdr-send-apn-sel-mode Type: Privileged		Enables sending the APN selection mode.
ruckus(config-cgf-service)# cdr-send-charging-sel-mode Type: Privileged		Enables sending the charging characteristic selection mode.
ruckus(config-cgf-service)# cdr-send-diag Type: Privileged		Enables sending the diagnostic to the CDR.
ruckus(config-cgf-service)# cdr-send-dyn-addr-flag Type: Privileged		Enables in sending the dynamic mode address flag.
ruckus(config-cgf-service)# cdr-send-local-record-sn Type: Privileged		Enables in sending the local record sequence number.
ruckus(config-cgf-service)# cdr-send-msisdn Type: Privileged		Enables in sending the MSISDN.
ruckus(config-cgf-service)# cdr-send-node-id Type: Privileged		Enables in sending the node ID to the CDR.

Table 25. Commands related to ruckus(config-cgf-service) profile

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service)# cdr-send-pdp-addr Type: Privileged		Enables in sending the PDF address to the CDR.
ruckus(config-cgf-service)# cdr-send-pdp-type Type: Privileged		Enables in sending the PDF type to the CDR.
ruckus(config-cgf-service)# cdr-send-rat-type Type: Privileged		Enables in sending the RAT type.
ruckus(config-cgf-service)# cdr-send-sgsn-addr Type: Privileged		Enables in sending the SGSN address to the CDR.
ruckus(config-cgf-service)# cdr-sgsn-plmn-id Type: Privileged		Enables the SGSN/WAG PLMN identifier
ruckus(config-cgf-service)# cdr-traffic-vol Type: Privileged		Enables listing traffic volumes.
ruckus(config-cgf-service)# cdr-ttg Type: Privileged		Sets the CDR for TTG.
ruckus(config-cgf-service)# cdr-type Type: Privileged	[s-cdr   w-cdr]	Sets the CDR type as S-CDR or W-CDR.
ruckus(config-cgf-service)# charging-mode Type: Privileged	[ local-binary-file   server   both ] local-binary-file: Local Binary File server: Server both: Both	Sets the charging service type.
ruckus(config-cgf-service)# description Type: Privileged	<text>	Sets the CGF service description.

Table 25. Commands related to ruckus(config-cgf-service) profile

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service)# do Type: Privileged		Executes the do command.
ruckus(config-cgf-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-cgf-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cgf-service)# export-schedule Type: Privileged	daily <hour> <minute> hour <minute>	Sets the export schedule based on hours and minutes or daily.
ruckus(config-cgf-service)# file-life-time Type: Privileged	<days>	Sets the file lifetime.
ruckus(config-cgf-service)# file-time-limit Type: Privileged	<minutes>	Sets the file timer interval.
ruckus(config-cgf-service)# ftp-server Type: Privileged	<host>	Sets the FTP server setting by defining the host server.
ruckus(config-cgf-service)# ftp-server-test Type: Privileged		Tests the FTP settings.
ruckus(config-cgf-service)# gtp-echo-retry Type: Privileged	<retry-times>	Set the retries of GTP echo response.
ruckus(config-cgf-service)# gtp-echo-timeout Type: Privileged	<seconds>	Sets the retries of GTP echo timeout.
ruckus(config-cgf-service)# help Type: Privileged		Displays the help.
ruckus(config-cgf-service)# lbo Type: Privileged		Enables CDR for direct IP access (LBO).





Table 25. Commands related to ruckus(config-cgf-service) profile

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service)# no Type: Privileged	cdr-send-sgsn-addr cdr-sgsn-plmn-id cdr-traffic-vol cdr-ttg lbo lbo-send-local-record-sn lbo-send-node-id server <ip>	Disables various options.
ruckus(config-cgf-service)# record-limit Type: Privileged	<integer>	Sets the record limit.
ruckus(config-cgf-service)# server Type: Privileged	<ip> priority [up   down] <ip>	Sets the server's IP address. The DNS server's priority can also be changed by moving the priority either up or down.

[Table 26](#) lists the related cgf-service-ftp-server configuration commands.

Table 26. Commands related to ruckus(config-cgf-service-ftp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service-ftp-server)# do Type: Privileged		Executes the do command.
ruckus(config-cgf-service-ftp-server)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-cgf-service-ftp-server)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cgf-service-ftp-server)# help Type: Privileged		Displays the help.

Table 26. Commands related to ruckus(config-cgf-service-ftp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service-ftp-server)# password Type: Privileged	<password>	Sets the username for the FTP server.
ruckus(config-cgf-service-ftp-server)# port Type: Privileged	<port>	Sets the FTP server port.
ruckus(config-cgf-service-ftp-server)# remote-dir Type: Privileged	<remote-dir>	Sets the remote directory for the FTP server.
ruckus(config-cgf-service-ftp-server)# test Type: Privileged		Tests the FTP settings.
ruckus(config-cgf-service-ftp-server)# username Type: Privileged	<username>	Sets the username for the FTP server.

[Table 27](#) lists the related cgf-service-server configuration commands.

Table 27. Commands related to ruckus(config-cgf-service-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service-server)# do Type: Privileged		Executes the do command.
ruckus(config-cgf-service-server)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-cgf-service-server)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cgf-service-server)# help Type: Privileged		Displays the help.

Table 27. Commands related to ruckus(config-cgf-service-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cgf-service-server)# port Type: Privileged	<port>	Sets the server port.

## changepassword

To change the administrative password, use the following command:

```
ruckus(config)# change
```

```
<old password>
```

```
<new password>
```

### Syntax Description

This command uses the following syntax:

old password: Existing password

new password: Changed password.

The password must contain at least eight characters with at least one number, one letter, and one special character (~ ! @ # \$ % ^ & \* ( ) - \_ = + [ ] { } \ | ; : ' " , . < > / ?) except ` or \$(.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# change
```

```
Old Password: *****
```

```
New Password:*****
```

## clock

To update the system clock or the timezone configuration, use the following command:

```
ruckus(config)# clock timezone <timezone>
```

### Syntax Description

This command uses the following syntax:

timezone: Sets the system clock timezone

<timezone>: Timezone name of the domain

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# clock timezone Africa/Nairobi
```

## cluster-ip-list

To update the node IP address mapping list of the cluster configuration, use the following command:

```
ruckus(config)# cluster-ip-list <ip-mappings>
```

### Syntax Description

This command uses the following syntax:

ip-mappings: Node IP mapping list, which is space separated.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# cluster-ip-list <old-ip>:<new-ip> <old-ip2>:<new-ip2>
```

```
ruckus(config)# cluster-ip-list 172.19.18.96:172.19.13.56
172.19.15.67:172.19.10.07
```

## cluster-redundancy

To create or update a cluster redundancy configuration, use the following command:

```
ruckus(config)# cluster-redundancy
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# cluster-redundancy
```

### Related Commands

- [Table 28](#) lists the related cluster redundancy configuration commands.
- [Table 29](#) lists the related cluster redundancy cluster configuration commands.

[Table 28](#) lists the related cluster redundancy configuration commands.

Table 28. Commands related to ruckus(config-cluster-redundancy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-cluster-redundancy)# cluster Type: Privileged	<name> <name> priority [ up   down ]	Create or update the cluster redundancy configuration.
ruckus(config-cluster-redundancy)# do Type: Privileged		Executes the do command.
ruckus(config-cluster-redundancy)# enable Type: Privileged		Enables the cluster redundancy configuration.

Table 28. Commands related to ruckus(config-cluster-redundancy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-cluster-redundancy)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-cluster-redundancy)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cluster-redundancy)# help Type: Privileged		Displays the help.
ruckus(config-cluster-redundancy)# no Type: Privileged	<cluster> <enable>	Disables the enable option.

[Table 29](#) lists the related cluster redundancy cluster configuration commands.

Table 29. Commands related to ruckus(config-cluster-redundancy-cluster).

Syntax and Type	Parameters (if any)	Description
ruckus(config-cluster-redundancy-cluster)# do Type: Privileged		Executes the do command.
ruckus(config-cluster-redundancy-cluster)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-cluster-redundancy-cluster)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-cluster-redundancy-cluster)# help Type: Privileged		Displays the help.
ruckus(config-cluster-redundancy-cluster)# name Type: Privileged	<text>	Sets the cluster name.

Table 29. Commands related to ruckus(config-cluster-redundancy-cluster)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cluster-redundancy-cluster)# dual-list Type: Privileged	<dual-list>	Sets the dual address list.
ruckus(config-cluster-redundancy-cluster)# ip-list Type: Privileged	<ipl-list>: Control IPs. Comma separated IP list.	Sets the Control IP list.

## data-plane

To update the data plane configuration, use the following command:

**ruckus(config)# data-plane <name> <<name> forward-stp>**

### Syntax Description

This command uses the following syntax:

<name>: Name of the data plane

forward-stp: Disables the STP package bridge

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# data-plane indus4d1
```

### Related Commands

[Table 30](#) lists the related data plane configuration commands

Table 30. Commands related to ruckus(config-data-plane)

Syntax and Type	Parameters (if any)	Description
ruckus(config-data-plane)# do Type: Privileged		Executes the do command.
ruckus(config-data-plane)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.



Table 30. Commands related to ruckus(config-data-plane)

Syntax and Type	Parameters (if any)	Description
ruckus(config-data-plane)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-data-plane)# help Type: Privileged		Displays the help.
ruckus(config-data-plane)# ip Type: Privileged	address dhcp: Sets the IP address of the data plane address <ip> <mask> <gateway>: Sets the IP address of the data plane secondary <ip> <mask>: Sets the IP address for the secondary Interface name-server <ip> secondary: Set the primary and secondary DNS servers route <ip> <mask> <ip>: Sets the static routes	Updates the IP configuration.
ruckus(config-data-plane)# natip Type: Privileged	<ip>: NAT IP	Updates NAT IP configuration
ruckus(config-data-plane)# no Type: Privileged	<ip> secondary name-server secondary natip <ip> route <ip> <mask> <ip> vlan	Disables / deletes options.
ruckus(config-data-plane)# vlan Type: Privileged	<vlan-id> secondary	Updates the VLAN configuration.

# diameter-remote-service

To set the Diameter remote peer service system command configuration, use the following command.

**ruckus(config)# diameter-remote-service**

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# diameter-remote-service
```

## Related Commands

[Table 31](#) lists the related to config-diameter-remote-service configuration commands

Table 31. Commands related to ruckus (config-diameter-remote-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-remote-service)# description Type: Privileged		Sets the diameter remote service description.
ruckus(config-diameter-remote-service)# do Type: Privileged		Executes the do command.
ruckus(config-diameter-remote-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-diameter-remote-service)# exit Type: Privileged		Exits from the EXEC.

Table 31. Commands related to ruckus (config-diameter-remote-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-remote-service)# help Type: Privileged		Displays the help.
ruckus(config-diameter-remote-service)# no peer Type: Privileged		Removes the peer association to diameter.
ruckus(config-diameter-remote-service)# peer Type: Privileged	<peer name>: Peer name.	Peer association to diameter.
ruckus(config-diameter-remote-service)# realm-name Type: Privileged	<name>: Realm name	Updates or adds remote realm name.
ruckus(config-diameter-remote-service)# retransmit-count Type: Privileged	<retransmit-count>: STA re-transmit count.	Updates or adds the re-transmit count.
ruckus(config-diameter-remote-service)# service-type Type: Privileged	[2   1   4   3]: 2:PCRF 1:OCS 4:STA 3:DRA	Updates or adds service type.
ruckus(config-diameter-remote-service)# tx-timer Type: Privileged	[<Tx Timer in seconds>]: STA Tx timer	Updates or adds the Tx timer.

[Table 32](#) lists the related to config-diameter-remote-service-peer configuration commands

Table 32. Commands related to ruckus (config-diameter-remote-service-peer)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-remote-service-peer)# alt-peer-name Type: Privileged	<alter_peername>: Alternative peer name	Sets the alternative peer name.

Table 32. Commands related to ruckus (config-diameter-remote-service-peer)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-remote-service-peer)# ip Type: Privileged	<ip>: IP	Sets the IP.
ruckus(config-diameter-remote-service-peer)# port Type: Privileged	<port>: port number	Sets the port.
ruckus(config-diameter-remote-service-peer)# transport-type Type: Privileged	[1   0] 1: SCTP 0: TCP	Adds or updates the transport type.

## diameter-system-wide

To set the Diameter system wide e configuration, use the following command.

**ruckus(config)# diameter-system-wide**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# diameter-system-wide
ruckus(config-diameter-system-wide)#
```

### Related Commands

[Table 33](#) lists the related diameter-remote-service profile configuration commands.

Table 33. Commands related to ruckus (config-diameter-remote-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-system-wide)# do Type: Privileged		Executes the do command.

Table 33. Commands related to ruckus (config-diameter-remote-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-system-wide)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-diameter-system-wide)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-diameter-system-wide)# help Type: Privileged		Displays the help.
ruckus(config-diameter-system-wide)# local-host-name Type: Privileged	<name>	Updates the local host name.
ruckus(config-diameter-system-wide)# local-realm-name Type: Privileged	<name>	Updates the local realm name.
ruckus(config-diameter-system-wide)# peer-timeout Type: Privileged		Updates the peer expiry time and timeval in seconds.
ruckus(config-diameter-system-wide)# no peer-timeout Type: Privileged		Disables the command.
ruckus(config-diameter-system-wide)# realm-name Type: Privileged	<realm name>	Updates or adds the realm.
ruckus(config-diameter-system-wide)# retransmit-count Type: Privileged	<retransmit count>	Updates or adds retransmit count
ruckus(config-diameter-system-wide)# service-type Type: Privileged	[2 1 4 3] <ul style="list-style-type: none"> <li>• 2:PCRF</li> <li>• 1:OCS</li> <li>• 4:STA</li> <li>• 3:DRA</li> </ul>	Updates or adds service type.

Table 33. Commands related to ruckus (config-diameter-remote-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-system-wide)# tx-timer Type: Privileged	<STA Tx timer in seconds>	Updates or adds the Tx timer
ruckus(config-diameter-system-wide)# peer-timeout Type: Privileged	<seconds>	Updates the peer expiry time in seconds.
ruckus(config-diameter-system-wide)# retry-timeout Type: Privileged	<seconds>	Updates the connection retry time in seconds.
ruckus(config-diameter-system-wide)# watch-dog-timeout Type: Privileged	<seconds>	Updates the device watch dog time in seconds.

## dns-server-service

To create or update DNS server services, use the following command.

**ruckus(config)# dns-server-service**

### Syntax Description

This command has the following keywords:

<name>: DNS server service name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# dns-server-service xyz
```

## do

To setup the do command, use the following command.

**ruckus(config)# do**

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# do
```

# domain

To create or update the domain configuration, use the following command:

```
ruckus(config)# domain <name>
```

## Syntax Description

This command uses the following syntax:

name: Name of the domain

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# domain indusap1
```

## Related Commands

- [Table 34](#) lists the related to domain configuration commands.
- [Table 35](#) lists the related domain 3rd-zone configuration commands.
- [Table 37](#) lists the related domain-zone configuration commands.
- [Table 38](#) lists the related domain-zone-aaa configuration commands.
- [Table 39](#) lists the related domain-zone-ap-group configuration commands.
- [Table 40](#) lists the related domain-zone-ap-group-ldp configuration commands.
- [Table 42](#) lists the related to domain-zone-ap-model configuration commands.
- [Table 43](#) lists the related domain-zone-ap-model-lan1 configuration commands.
- [Table 44](#) lists the related domain-zone-ap-registration-rule configuration commands.
- [Table 47](#) lists the related domain-zone-bonjour-policy configuration commands.
- [Table 49](#) lists the related domain-zone-device-policy configuration commands.
- [Table 50](#) lists the related domain-zone-device-policy rule configuration commands.
- [Table 52](#) lists the related zone-guest-access configuration commands.
- [Table 53](#) lists the related domain-zone-hotspot configuration commands.
- [Table 57](#) lists the related domain-zone-l2-acl configuration commands.



- [Table 59](#) lists the related domain-zone-web-authentication configuration commands.
- [Table 60](#) lists the related domain-zone-wlan configuration commands.
- [Table 62](#) lists the related domain-zone-wlan-group configuration commands.
- [Table 63](#) lists the related domain-zone-wlan-scheduler configuration commands.

[Table 34](#) lists the related to domain configuration commands.

Table 34. Commands related to ruckus(config-domain)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain)# 3rd-zone Type: Privileged	<name>	Creates or updates a Third Party AP zone in the current domain.
ruckus(config-domain)# admin Type: Privileged	<username> <rolename>	Adds an administrator and assign a role in the current domain.
ruckus(config-domain)# description Type: Privileged	<text>	Sets the domain description.
ruckus(config-domain)# do Type: Privileged		Executes the do command.
ruckus(config-domain)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain)# help Type: Privileged		Displays the help.
ruckus(config-domain-)# no Type: Privileged	admin <username> zone <name>	Disable or remove configuration settings in the current domain,
ruckus(config-domain)# parent Type: Privileged	<name>	Sets the parent domain name.

Table 34. Commands related to ruckus(config-domain)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain)# zone Type: Privileged	<p>&lt;name&gt; - AP zone name</p> <p>&lt;name&gt; template &lt;name&gt; - Create from template</p> <p>&lt;name&gt; clone &lt;name&gt; - Clone from an existing AP zone</p> <p>&lt;name&gt; ap-firmware &lt;ap-firmware&gt; - Change AP firmware</p> <p>&lt;name&gt; cluster-switch-over &lt;name&gt; - Enable cluster switchover</p>	Create or update an AP zone in the current domain.
ruckus(config-domain)# zone-zd Type: Privileged	<ap-firmware> import <ftp-url>	Create AP zone from ZD backup file.

Table 35 lists the related domain 3rd-zone configuration commands.

Table 35. Commands related to ruckus(config-domain-3rd-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone)# access-network Type: Privileged	[ qinq-l2   l2ogre   qinq-l3 ]	Sets the access network.
ruckus(config-domain-3rd-zone)# acct-interval Type: Privileged	<minutes> Number of minutes to send interim updates.	Sets the accounting interval.
ruckus(config-domain-3rd-zone)# acct-server Type: Privileged		Sets the accounting service.
ruckus(config-domain-3rd-zone)# acct-service-profile Type: Privileged	<name>	Sets the accounting service profile configuration.
ruckus(config-domain-3rd-zone)# acct-ttg-session Type: Privileged		Enables accounting for TTG sessions.
ruckus(config-domain-3rd-zone)# auth-server Type: Privileged		Sets the authentication service.
ruckus(config-domain-3rd-zone)# auth-service-profile Type: Privileged	<name>	Sets the authentication service profile configuration.
ruckus(config-domain-3rd-zone)# auth-type Type: Privileged		Sets the authentication server type.
ruckus(config-domain-3rd-zone)# bypass-cna Type: Privileged		Enables the bypass CNA.
ruckus(config-domain-3rd-zone)# core-network Type: Privileged		Sets the core network.

Table 35. Commands related to ruckus(config-domain-3rd-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone)# default-wlan Type: Privileged		Sets the default WLAN. The default WLAN is used when WLAN configuration is not found for incoming access VLAN or SSID. One default WLAN is allowed in each 3rd party AP zone.
ruckus(config-domain-3rd-zone)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-3rd-zone)# do Type: Privileged		Executes the do command.
ruckus(config-domain-3rd-zone)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-3rd-zone)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-3rd-zone)# forwarding-service-profile Type: Privileged	<name>	Sets the core network forwarding service profile.
ruckus(config-domain-3rd-zone)# help Type: Privileged		Displays the help.
ruckus(config-domain-3rd-zone)# hotspot-profile Type: Privileged	<name>	Sets the hotspot profile configuration.
ruckus(config-domain-3rd-zone)# ip Type: Privileged	single-ip <ip> ip-range <ip> <ip> subnet <ip> <mask>	Adds access network source IP address.
ruckus(config-domain-3rd-zone)# move Type: Privileged	domain <name>	Moves the zone to another domain.

Table 35. Commands related to ruckus(config-domain-3rd-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone)# network-traffic-profile Type: Privileged	<name>	Sets the network traffic profile.
ruckus(config-domain-3rd-zone)# no Type: Privileged	acct-server acct-service-profile acct-ttg-session bypass-cna default-wlan ip radius-client vlan-tag wlan	Disables and deletes configuration options.
ruckus(config-domain-3rd-zone)# radius-client Type: Privileged	default-share-secret <password> single-ip <ip> <password> ip-range <ip> <ip> <password> subnet <ip> <mask> <password>	Sets the configuration for RADIUS client.
ruckus(config-domain-3rd-zone)# vlan-tag Type: Privileged	s-vlan <s-vlan-start> <s-vlan-end> c-vlan <c-vlan-start> <c-vlan-end>  s-vlan <s-vlan-start> <s-vlan-end> c-vlan <c-vlan-start> <c-vlan-end> vlan-mapping <mapping-vlan-start> <mapping-vlan-end>	Adds access network Q-in-Q VLAN tags.

Table 35. Commands related to ruckus(config-domain-3rd-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone)# vlan-type Type: Privileged	qinq strip-qinq strip-svlan-preserve-cvlan strip-qinq-add-vlan <vlan-id>	Sets the core network VLAN mapping type.
ruckus(config-domain-3rd-zone)# wlan Type: Privileged	<ssid>	Sets the WLAN.

[Table 36](#) lists the related domain-3rd-zone-wlan configuration commands.

Table 36. Commands related to ruckus(config-domain-3rd-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone-wlan)# access-vlan Type: Privileged	[ <start-vlan>   <vlan> ] <end-vlan> <start-vlan>: VLAN range start value <vlan>: Single VLAN value <end-vlan>: VLAN range end value	Adds the access VLAN range.
ruckus(config-domain-3rd-zone-wlan)# acct-server Type: Privileged		Sets the accounting service.
ruckus(config-domain-3rd-zone-wlan)# acct-service-profile Type: Privileged	<name>	Sets the accounting service profile.
ruckus(config-domain-3rd-zone-wlan)# acct-ttg-session Type: Privileged		Enables accounting for TTG sessions.
ruckus(config-domain-3rd-zone-wlan)# auth-server Type: Privileged		Sets the authentication service.

Table 36. Commands related to ruckus(config-domain-3rd-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone-wlan)# auth-service-profile Type: Privileged	<name>	Sets the authentication service profile.
ruckus(config-domain-3rd-zone-wlan)# auth-type Type: Privileged		Sets the authentication service type.
ruckus(config-domain-3rd-zone-wlan)# bypass-cna Type: Privileged		Enables bypass CNA.
ruckus(config-domain-3rd-zone-wlan)# core-network Type: Privileged	[ ttg-pdg   bridge ]	Sets the core network.
ruckus(config-domain-3rd-zone-wlan)# do Type: Privileged		Executes the do command.
ruckus(config-domain-3rd-zone-wlan)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-3rd-zone-wlan)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-3rd-zone-wlan)# forwarding-service-profile Type: Privileged	<name>	Sets the core network forwarding service profile.
ruckus(config-domain-3rd-zone-wlan)# help Type: Privileged		Displays the help.
ruckus(config-domain-3rd-zone-wlan)# hotspot-profile Type: Privileged	<name>	Sets the hotspot service.

Table 36. Commands related to ruckus(config-domain-3rd-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-3rd-zone-wlan)# no Type: Privileged	access-vlan acct-server acct-service-profile acct-ttg-session bypass-cna	Disables or deletes the configurations that have been set.
ruckus(config-domain-3rd-zone-wlan)# vlan-type Type: Privileged	preserve-all qinq <s-vlan-id>	Enables dynamic VLAN.

Table 37 lists the related domain-zone configuration commands.

Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# aaa Type: Privileged	<name>	Creates or updates the AAA server configuration.
ruckus(config-domain-zone)# adj-threshold Type: Privileged	2.4g \${value} 5g \${value} Value is minimum = 1 and maximum = 100	Sets the adjacent radio threshold of the client load balancing.
ruckus(config-domain-zone)# ap-firmware Type: Privileged	<ap-firmware>	Sets the AP firmware.
ruckus(config-domain-zone)# ap-group Type: Privileged	<name>	Creates or updates the AP group configuration.
ruckus(config-domain-zone)# ap-ip-mode Type: Privileged	[ ipv4   ipv6  dual]	Sets the AP IP mode to either IPv4 or IPv6.
ruckus(config-domain-zone)# ap-logon Type: Privileged	<logon-id>	Sets the login ID for the AP administrator.



Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# ap-mgmt-vlan Type: Privileged	<vlanTag>: VLAN Tag (1-4094); enter 'keep' to keep APs setting.	Sets the AP management VLAN.
ruckus(config-domain-zone)# ap-model Type: Privileged	<name>	Sets the AP model configuration.
ruckus(config-domain-zone)# ap-password Type: Privileged		Sets the password for the AP administrator.
ruckus(config-domain-zone)# ap-reboot-timeout Type: Privileged	default-gateway [ <hours and minutes> ] - Sets the default gateway timeout in hours and minutes. control-interface <hours> - Sets the control interface timeout in hours.	Sets the AP reboot timeout.
ruckus(config-domain-zone)# ap-registration-rule Type: Privileged	<priority>	Creates or updates the AP registration rule configuration.
ruckus(config-domain-zone)# background-scan Type: Privileged	2.4g <seconds> 5g <seconds>	Sets the background scanning.
ruckus(config-domain-zone)# band-balancing Type: Privileged	2.4g <int> 2.4g 2.4G band <int>: Percentage of clients on 2.4G band	Sets the band balance.
ruckus(config-domain-zone)# bonjour-gateway Type: Privileged		Enables the bonjour gateway.
ruckus(config-domain-zone)# bonjour-policy Type: Privileged	<name>	Creates or updates the bonjour policy.

Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# channel Type: Privileged	2.4g <channel> 5g indoor <channel> 5g outdoor <channel>	Sets the channel.
ruckus(config-domain-zone)# channel-evaluation-interval Type: Privileged	<seconds>: The interval value (Range:60~3600 sec)	Sets the channel evaluation interval.
ruckus(config-domain-zone)# channel-range Type: Privileged	2.4g[ <channel  all>] 5g indoor [ <channel  all>] 5g outdoor[ <channel  all>]	Sets the channel range.
ruckus(config-domain-zone)# channel-select-mode Type: Privileged	2.4g \${value} 5g \${value}	Set a mode to automatically adjust AP channels.
ruckus(config-domain-zone)# channelfly-mtbc Type: Privileged	2.4g <number>: MTBC value (Range: 100~1440) 5g <number>	Sets the MTBC value of ChannelFly.
ruckus(config-domain-zone)# channelization Type: Privileged	2.4g [ 20   40 ] 5g [ 40   20 ]	Sets the channelization.
ruckus(config-domain-zone)# client-admission-control Type: Privileged	2.4g 5g 2.4g minClientCount <minClientCount> 2.4g maxRadioLoad <maxRadioLoad> 2.4g minClientThroughput <minClientThroughput> 5g minClientCount <minClientCount> 5g maxRadioLoad <maxRadioLoad> 5g minClientThroughput <minClientThroughput>	Enables the client admission control.

Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# country-code Type: Privileged	<country-code>	Sets the country code.
ruckus(config-domain-zone)# description Type: Privileged	<text>	Sets the description,
ruckus(config-domain-zone)# device-policy Type: Privileged	<name>	Sets the device policy.
ruckus(config-domain-zone)# dfs- channel Type: Privileged		Enable DFS channels for the US country code.
ruckus(config-domain-zone)# diffserv Type: Privileged	<name>	Creates or updates the diff server profile.
ruckus(config-domain-zone)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone)# ethernet-port-profile Type: Privileged	<name>:Ethernet Port Profile name.	Sets the Ethernet Port profile.
ruckus(config-domain-zone)# gps Type: Privileged	<latitude> <longitude>	Displays the help.
ruckus(config-domain-zone)# guest-access Type: Privileged	<name>	Sets the guest access.

Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# headroom Type: Privileged	2.4g <client> 5g: 5 GHz radio	Sets the headroom (# of clients) of client load balancing.
ruckus(config-domain-zone)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone)# hotspot Type: Privileged	<name>	Creates or updates the WISPr hotspot configuration.
ruckus(config-domain-zone)# hotspot20-venue-profile Type: Privileged	<name>	Creates or updates the venue profile for hotspot release 2 configuration.
ruckus(config-domain-zone)# hotspot20-wlan-profile Type: Privileged	<name>	Creates or updates the WLAN profile for hotspot release 2 configuration.
ruckus(config-domain-zone)# indoor-channel Type: Privileged		Enables the indoor channels.
ruckus(config-domain-zone)# ipsec-tunnel-profile Type: Privileged	\${value}	Sets the IPsec Tunnel Profile.
ruckus(config-domain-zone)# l2- acl Type: Privileged	<name>	Sets the layer 2 access control list.
ruckus(config-domain-zone)# lbs Type: Privileged		Enables the location based service.
ruckus(config-domain-zone)# lbs- service Type: Privileged		Sets the location based service.
ruckus(config-domain-zone)# load-balancing Type: Privileged	2.4g 5g	Sets the client load balancing.

Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# location Type: Privileged	<text>	Sets the location.
ruckus(config-domain-zone)# location-additional-info Type: Privileged	<text>	Sets the additional information location.
ruckus(config-domain-zone)# mesh Type: Privileged		Enables mesh networking.
ruckus(config-domain-zone)# mesh-name Type: Privileged	<name>	Sets the mesh name (ESSID).
ruckus(config-domain-zone)# mesh-passphrase Type: Privileged	<mesh-passphrase>	Sets the mesh passphrase.
ruckus(config-domain-zone)# move Type: Privileged	domain <name>	Moves the zone to another domain.
ruckus(config-domain-zone)# no Type: Privileged	aaa <name> ap-group <name> ap-registration-rule <priority> background-scan <2.4g> <5g>	Disables and deletes commands.  .....continued





Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# rogue-ap-detection Type: Privileged	report-same-network [ enable   disable ] - Enables or disables malicious rogue devices which have same network report-mac-spoofing [ disable   enable ] - Enables or disables malicious rogue devices which have MAC IP address spoofing protect-from-malicious [ disable   enable ] - Enables or disables the network from malicious rogue access points	Sets the report rogue access point.
ruckus(config-domain-zone)# smart-mon Type: Privileged	interval <value> threshold <value>	Sets the smart monitor interval.
ruckus(config-domain-zone)# smart-roam-disconnect-event Type: Privileged		Enables smart roam disconnect event.
ruckus(config-domain-zone)# syslog-enabled Type: Privileged		Enables the external syslog server for APs for the specified zone.
ruckus(config-domain-zone)# syslog-facility Type: Privileged	[ Local6   Keep Original   Local0   Local5   Local7   Local1   Local4   Local3   Local2 ]	Sets the syslog server facility,
ruckus(config-domain-zone)# syslog-ip Type: Privileged	<ip>	Sets the IP address for the syslog server.
ruckus(config-domain-zone)# syslog-ip6 Type: Privileged	<ipv6>	Sets the IPv6 address for the syslog server.



Table 37. Commands related to ruckus(config-domain-zone).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# syslog-port Type: Privileged	<port>	Sets the port number for the syslog server.
ruckus(config-domain-zone)# syslog-priority Type: Privileged	[ Alert   Info   Critical   Warning   Notice   Emergency   All   Error ]	Sets the syslog server priority.
ruckus(config-domain-zone)# timezone Type: Privileged	System - Follows the controller time zone setting System [ <time zone> ] Select the time zone from system database User-defined [ <time zone abbr.> ] User defined time zone Time zone abbreviation (example: GMT, CST, EST)	Sets the timezone for zone.
ruckus(config-domain-zone)# timezone-dst Type: Privileged	[ <Start   End> ] <order> <weekday> <month> <hour>	Sets the user defined timezone for daylight savings.
ruckus(config-domain-zone)# timezone-gmt-offset Type: Privileged	[ <hour   hour: minute>] For example, 8, -7:45	Sets the user defined timezone for GMT offset.
ruckus(config-domain-zone)# tunnel-profile Type: Privileged	<profile-name>	Sets the AP GRE tunnel profile.
ruckus(config-domain-zone)# tunnel-type Type: Privileged	[ gre   gre-udp ]	Sets the tunnel type.
ruckus(config-domain-zone)# tx- power Type: Privileged	2.4g \${value} 5g \${value} Value is minimum = 1 and maximum = 100	Sets the TX power adjustment.

Table 37. Commands related to ruckus(config-domain-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# usb-software Type: Privileged	upload <ftp-url>	Sets the AP USB software package.
ruckus(config-domain-zone)# venue-profile Type: Privileged	<name>	Sets the venue profile.
ruckus(config-domain-zone)# vlan-overlapping Type: Privileged		Enables the overlapping of VLAN pooling.
ruckus(config-domain-zone)# vlan-pooling Type: Privileged	<name>	Creates or updates the VLAN pooling profile.
ruckus(config-domain-zone)# weak-bypass Type: Privileged	2.4g \${value} 5g \${value} Value is minimum = 1 and maximum = 100	Sets the weak bypass threshold of the client load balancing.
ruckus(config-domain-zone)# web-authentication Type: Privileged	<name>	Sets the web authentication.
ruckus(config-domain-zone)# wechat Type: Privileged	<name> WeChat name	Create/update WeChat configuration.
ruckus(config-domain-zone)# wlan Type: Privileged	<name>	Creates or updates the WLAN/ESSID configuration.
ruckus(config-domain-zone)# wlan-group Type: Privileged	<name>	Creates or updates the WLAN group configuration.
ruckus(config-domain-zone)# wlan-scheduler Type: Privileged	<name>	Creates or updates the WLAN scheduler configuration.

Table 38 lists the related domain-zone-aaa configuration commands.

Table 38. Commands related ruckus(config-domain-zone-aaa)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-aaa)# admin-domain Type: Privileged		Enables the admin domain name.
ruckus(config-domain-zone-aaa)# admin-domain-name Type: Privileged	<admin-domain>	Creates or updates the admin domain.
ruckus(config-domain-zone-aaa)# admin-password Type: Privileged	<admin-password>	Creates or updates the admin password.
ruckus(config-domain-zone-aaa)# backup Type: Privileged	ip <ip> ipv6 <ipv6> port <port> shared-secret <shared-secret>	Enables backup of RADIUS support and set related settings.
ruckus(config-domain-zone-aaa)# base-domain Type: Privileged	<base-domain>	Set the base domain.
ruckus(config-domain-zone-aaa)# description Type: Privileged	<description>	Sets the description.
ruckus(config-domain-zone-aaa)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-aaa)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-aaa)# exit Type: Privileged		Exits from the EXEC.

Table 38. Commands related ruckus(config-domain-zone-aaa)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-aaa)# global-catalog Type: Privileged		Enables the global catalog support.
ruckus(config-domain-zone-aaa)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-aaa)# ip Type: Privileged	<ip>	Set IP addresses of primary RADIUS server.
ruckus(config-domain-zone-aaa)# ip6 Type: Privileged	<ipv6>	Set IPv6 addresses of primary RADIUS server.
ruckus(config-domain-zone-aaa)# key-attribute Type: Privileged	<key-attribute>	Sets the key attributes for the primary RADIUS server.
ruckus(config-domain-zone-aaa)# no Type: Privileged	backup global-catalog no-response-fail	Disables or deletes configuration settings.
ruckus(config-domain-zone-aaa)# password Type: Privileged	<password>	Sets the password for the primary RADIUS server.
ruckus(config-domain-zone-aaa)# port Type: Privileged	<port>	Sets the port number of the primary RADIUS server.
ruckus(config-domain-zone-aaa)# search-filter Type: Privileged	<search-filter>	Sets the search filter.
ruckus(config-domain-zone-aaa)# shared-secret Type: Privileged	<shared-secret>	Sets the shared secret of the primary RADIUS server.

Table 38. Commands related ruckus(config-domain-zone-aaa)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-aaa)# test Type: Privileged	<username> <password> [PAP   CHAP]	Tests the RADIUS server based on the user credentials and protocol settings.
ruckus(config-domain-zone-aaa)# type Type: Privileged	[radius   radius-acct   LDAP   AD]	Sets the RADIUS type.
ruckus(config-domain-zone-aaa)# windows-domain Type: Privileged	<windows-domain>	Sets the windows domain name.

Table 39 lists the related domain-zone-ap-group configuration commands.

Table 39. Commands related to ruckus(config-domain-zone-ap-group)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap- group)# channel Type: Privileged		
ruckus(config-domain-zone-ap- group)# channel Type: Privileged	2.4g \${value} 5g indoor \${value} 5g outdoor \${value}	Sets the channel.
ruckus(config-domain-zone-ap- group)# channel-evaluation- interval Type: Privileged	<seconds>: The interval value (60~3600 secs)	Sets the channel evaluation interval.
ruckus(config-domain-zone-ap- group)# channel-range Type: Privileged	2.4g [<channels   all>]: 2.4GHz radio 5g indoor [<channels   all>]: 5GHz radio 5g outdoor [<channels   all>]: 5GHz radio	Set channel range.

Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# channel-select-mode Type: Privileged	2.4g\${value}: 2.4GHz radio 5g\${value}: 5GHz radio	Automatically adjusts the AP channels.
ruckus(config-domain-zone-ap-group)# channelfly-mtbc Type: Privileged	2.4g\$ <number>: 2.4GHz radio <number>: MTBC value range:100-1440 5g\$ <number>: 5GHz radio <number>: MTBC value range:100-1440	Set MTBC value of Channelfly.
ruckus(config-domain-zone-ap-group)# channelization Type: Privileged	2.4g [ 20   40 ] 5g [ 40   20 ]	Sets the channelization.
ruckus(config-domain-zone-ap-group)# client-admission-control Type: Privileged	2.4g 5g 2.4g minClientCount <minClientCount> Min Client Count (Default: 10) 2.4g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%)	Enables the client admission control.
		.....continued

Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# client-admission-control Type: Privileged	2.4g minClientThroughput <minClientThroughput> Min Client Throughput (Default: 0.0Mbps) 5g minClientCount <minClientCount> Min Client Count (Default: 20) 5g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%) 5g minClientThroughput <minClientThroughput> Min Client Throughput (Default: 0.0Mbps)	Enables the client admission control.
ruckus(config-domain-zone-ap-group)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-ap-group)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ap-group)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-ap-group)# exit Type: Privileged		Exits from the EXEC.

Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# external-antenna Type: Privileged	<ap-model> 5g [ disable   enable ] <ap-model> 5g gain <gain> <ap-model> 2.4g gain <gain> <ap-model> 2.4g [ enable   disable ] <ap-model> gain <gain> <ap-model> [ disable   enable ] <ap-model> 2.4g [ 3-antennas   2-antennas ] <ap-model> 5g [ 3-antennas   2-antennas ]	Sets the external antenna for specific AP model.
ruckus(config-domain-zone-ap-group)# gps Type: Privileged	<latitude> <longitude>	Displays the help.
ruckus(config-domain-zone-ap-group)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ap-group)# internal-heater Type: Privileged	<ap-model> [ enable   disable ]	Sets the internal heater for specific AP model.
ruckus(config-domain-zone-ap-group)# lbs Type: Privileged		Enables the location based service.
ruckus(config-domain-zone-ap-group)# lbs-service Type: Privileged		Sets the location based service.
ruckus(config-domain-zone-ap-group)# led-mode Type: Privileged	<ap-model>	Sets the LED mode for specific AP model.



Table 39. Commands related to ruckus(config-domain-zone-ap-group)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# lldp Type: Privileged	<ap-model> [ enable   disable ]	Sets the LLDP for a specific AP model.
ruckus(config-domain-zone-ap-group)# location Type: Privileged		Sets the location.
ruckus(config-domain-zone-ap-group)# location-additional-info Type: Privileged	<text>	Sets the additional information location.
ruckus(config-domain-zone-ap-group)# member Type: Privileged	add <ap-mac> move-to <apgroup-name> <ap-mac> remove <mac>	Sets the AP group member. It adds a new access point to current AP group. The AP Mac address removes the access point from the current AP group and moves it to other AP group.



Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# no Type: Privileged	override-ap-mgmt-vlan override-channel-select-mode override-client-admission-control override-lbs override-zone-location override-zone-location-additional-info poe-operating-mode poe-out port-setting radio-band status-leds tx-power 2.4g tx-power 5g usb-port usb-software venue-profile wlan-group 2.4g wlan-group 5g	Disables / deletes the configuration settings.
ruckus(config-domain-zone-ap-group)# override-ap-mgmt-vlan Type: Privileged	<vlanTag>	Overrides the AP Management VLAN.
ruckus(config-domain-zone-ap-group)# override-channel-select-mode Type: Privileged	2.4g 5g	Overrides auto channel selection mode and ChannelFly MTBC.
ruckus(config-domain-zone-ap-group)# override-client-admission-control Type: Privileged	2.4g 5g	Overrides the client admission control settings.

Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# override-lbs Type: Privileged		Overrides the location based service to zone settings.
ruckus(config-domain-zone-ap-group)# override-zone-location Type: Privileged		Overrides the zone location setting.
ruckus(config-domain-zone-ap-group)# override-zone-location-additional-info Type: Privileged		Overrides the zone location additional information setting.
ruckus(config-domain-zone-ap-group)# poe-operating-mode Type: Privileged	<ap-model>: AP model name	Switches the PoE Operating Mode for specific AP model
ruckus(config-domain-zone-ap-group)# poe-out Type: Privileged	<ap-model> [ enable   disable ]	Sets the PoE out port for a specific AP model.
ruckus(config-domain-zone-ap-group)# port-setting Type: Privileged	<ap-model>	Sets the port settings for specific AP model.
ruckus(config-domain-zone-ap-group)# radio-band Type: Privileged	<ap-model> [ 2.4g   5g ]	Switches the radio band for a specific AP model.
ruckus(config-domain-zone-ap-group)# status-leds Type: Privileged	<ap-model> [ enable   disable ]	Sets the status LED for specific AP model.
ruckus(config-domain-zone-ap-group)# tx-power Type: Privileged	2.4g \${value}  5g \${value}	Sets the TX power adjustment.
ruckus(config-domain-zone-ap-group)# usb-port Type: Privileged	<ap-model> [disable   enable]	Sets the USB port for a specific AP model.

Table 39. Commands related to ruckus(config-domain-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# usb-software Type: Privileged	<ap-model>: AP model name	Sets AP USB software package for a specific AP model
ruckus(config-domain-zone-ap-group)# venue-profile Type: Privileged	<name>: Venue profile	Sets the venue profile.
ruckus(config-domain-zone-ap-group)# wlan-group Type: Privileged	2.4g 5g	Sets the WLAN group configurations.

[Table 40](#) lists the related domain-zone-ap-group-lldp configuration commands.

Table 40. Commands related to ruckus(config-domain-zone-ap-group lldp).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group-lldp)# lldp-ad-interval Type: Privileged	<seconds>	Sets the LLDP advertise interval in seconds from the range 1 to 300.
ruckus(config-domain-zone-ap-group-lldp)# lldp-hold-time Type: Privileged	<seconds>	Sets the LLDP hold time in seconds from the range 60 to 1200.
ruckus(config-domain-zone-ap-group-lldp)# lldp-mgmt Type: Privileged		Enables the LLDP management IP TLV.

Table 41 lists the related domain-zone-ap-group-port-setting configuration commands.

Table 41. Commands related to ruckus(config-domain-zone-ap-group-port-setting)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group-port-setting)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ap-group-port-setting)# dot1x Type: Privileged	authsvr [ <Authenticator Server Name> ]  accsvr <name>  mac-auth-bypass [ true   false ]  supplicant user-name [ <user name> password <password>  supplicant mac	Sets the 802.1x role
ruckus(config-domain-zone-ap-group-port-setting)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-ap-group-port-setting)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-ap-group-port-setting)# help Type: Privileged		Displays the help.

Table 41. Commands related to ruckus(config-domain-zone-ap-group-port-setting)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group-port-setting)# lan Type: Privileged	<port>  <port> uplink [ general   access   trunk ]  <port> untag <vlan> <port> member <vlan-members>  <port> dot1x [ auth-mac-based   disabled   auth-port-based   supplicant ]	Enables or disable specific port.
ruckus(config-domain-zone-ap-group-port-setting)# no Type: Privileged	dot1x accsvr lan <port>	Disables or deletes the configuration settings.

[Table 42](#) lists the related to zone-ap-model configuration commands.

Table 42. Commands related to ruckus(config-zone-ap-model).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ap-model)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-ap-model)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-ap-model)# ext-ant Type: Privileged	2.4g <number> 2.4gg <number> [ 3   2 ] 5g <number> 5gg <number> [ 2   3 ]	Sets the external antenna.

Table 42. Commands related to ruckus(config-zone-ap-model).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ap-model)# internal-heater Type: Privileged		Enables international heater.
ruckus(config-domain-zone-ap-model)# lan1 ruckus(config-domain-zone-ap-model)# lan2 ruckus(config-domain-zone-ap-model)# lan3 ruckus(config-domain-zone-ap-model)# lan4 ruckus(config-domain-zone-ap-model)# lan5 Type: Privileged		Sets the LAN configurations from 1 to 5.
ruckus(config-domain-zone-ap-model)# led Type: Privileged		Enables the status of led.
ruckus(config-domain-zone-ap-model)# led-mode Type: Privileged		Sets the led mode description
ruckus(config-domain-zone-ap-model)# lldp Type: Privileged		Enables the Link Layer Discovery Protocol (LLDP).
ruckus(config-domain-zone-ap-model)# lldp-ad-interval Type: Privileged	<seconds>	Sets the LLDP advertise interval.
ruckus(config-domain-zone-ap-model)# lldp-hold-time Type: Privileged	<seconds>	Sets the LLDP hold time.



Table 42. Commands related to ruckus(config-zone-ap-model).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model)# lldp-mgmt Type: Privileged		Enables the LLDP management IP TLV.
ruckus(config-domain-zone-ap-model)# no Type: Privileged	ext-ant internal-heater lan1 lan2 lan3 lan4 lan5 led lldp lldp-mgmt poe-operating-mode poe-out-port radio-band usb-port usb-software	Disables or deletes the settings that have been configured.
ruckus(config-domain-zone-ap-model)# poe-operating-mode Type: Privileged	\${value}	Switches the PoE mode
ruckus(config-domain-zone-ap-model)# poe-out-port Type: Privileged		Enables the PoE out port
ruckus(config-domain-zone-ap-model)# radio-band Type: Privileged	\${value}	Switches the radio band for a specific AP model.
ruckus(config-domain-zone-ap-model)# usb-port Type: Privileged		Enables USB port.

Table 42. Commands related to ruckus(config-zone-ap-model).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model)# usb-software Type: Privileged		Sets AP USB software package.

Table 43 lists the related domain-zone-ap-model-lan1 configuration commands .

Table 43. Commands related to ruckus(config-domain-zone-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model-lan1)# 8021x Type: Privileged	<8021x-type>	Sets the 802.1x.
ruckus(config-domain-zone-ap-model-lan1)# acct-service Type: Privileged	<acct-service>	Sets the accounting service configurations.
ruckus(config-domain-zone-ap-model-lan1)# auth-service Type: Privileged	<auth-service>	Sets the authentication service configurations.
ruckus(config-domain-zone-ap-model-lan1)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ap-model-lan1)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-ap-model-lan1)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-ap-model-lan1)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ap-model-lan1)# mac-bypass Type: Privileged		Sets the MAC authentication bypass.
ruckus(config-domain-zone-ap-model-lan1)# members Type: Privileged	<members>	Sets the members.
ruckus(config-domain-zone-ap-model-lan1)# no Type: Privileged	acct-service mac-bypass	Disables or deletes the settings that have been configured.

Table 43. Commands related to ruckus(config-domain-zone-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-model-lan1)# profile Type: Privileged	<profile>: Ethernet Port profile	Sets the Ethernet Port profile.
ruckus(config-domain-zone-ap-model-lan1)# supplicant Type: Privileged	mac custom <username> <password>	Sets the supplicant.
ruckus(config-domain-zone-ap-model-lan1)# type Type: Privileged	[ trunk-port   access-port   general-port ]	Sets the port type.
ruckus(config-domain-zone-ap-model-lan1)# vlan-untag-id Type: Privileged	<vlan-untag-id>	Sets the VLAN untag ID.

Table 44 lists the related domain-zone-ap-registration-rule configuration commands.

Table 44. Commands related to ruckus(config-domain-zone-ap-registration-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-registration-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-ap-registration-rule)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ap-registration-rule)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-ap-registration-rule)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-ap-registration-rule)# gps Type: Privileged	<latitude> <longitude> <distance>	Sets the GPS coordinates.

Table 44. Commands related to ruckus(config-domain-zone-ap-registration-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-registration-rule)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ap-registration-rule)# ip-range Type: Privileged	<ip> <ip>	Sets the IP address range from and to IP address.
ruckus(config-domain-zone-ap-registration-rule)# provision-tag Type: Privileged	<tag>	Sets the provision tags.
ruckus(config-domain-zone-ap-registration-rule)# subnet Type: Privileged	<ip> <mask>	Sets the subnet IP address and subnet mask.
ruckus(config-domain-zone-ap-registration-rule)# type Type: Privileged	[ gps   provision-tag   ip-range   subnet ]	Sets the rule type.

[Table 45](#) lists the related domain zone-ap-snmp-options-snmp-v2-community configuration commands.

Table 45. Commands related to ruckus(config-domain zone-ap-snmp-options-snmp-v2-community configuration)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# no Type: Privileged	notification notification-target read snmp-v2-community <name> snmp-v3-user <name> write	Disables the settings that have been configured with these commands.
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# notification Type: Privileged		Enable notification privilege

Table 45. Commands related to ruckus(config-domain zone-ap-snmp-options-snmp-v2-community configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# notification-target Type: Privileged		Enable notification target configuration commands.
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# notification-type Type: Privileged		Sets the notification type
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# read Type: Privileged		Enable the read privilege.
ruckus(config-domain-zone-ap-snmp-options-snmp-v2-community)# write Type: Privileged		Enable the write privilege.

[Table 46](#) lists the related config-domain-zone-ap-snmp-options-snmp-v3-user configuration commands.

Table 46. Commands related to ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# auth Type: Privileged		Sets SNMPv3 user authentication.
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# no Type: Privileged	notification' notification-target read write snmp-v3-user <name>	Disables the settings that have been configured with these commands.

Table 46. Commands related to ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# read Type: Privileged		Enable the read privilege.
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# write Type: Privileged		Enable the write privilege.
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# notification Type: Privileged		Enable notification privilege.
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# notification-target Type: Privileged		Enable notification target configuration commands.
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# notification-type Type: Privileged		Sets the notification type
ruckus(config-domain-zone-ap-snmp-options-snmp-v3-user)# privacy Type: Privileged	none des <privacy-phrase>: DES privacy phrase.	Set SNMPv3 user privacy.

[Table 47](#) lists the related domain-zone-bonjour-policy configuration commands.

Table 47. Commands related to ruckus(config-domain-zone-bonjour-policy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy)# description Type: Privileged	<text>	Sets the description.

Table 47. Commands related to ruckus(config-domain-zone-bonjour-policy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-bonjour-policy)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-bonjour-policy)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-bonjour-policy)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-bonjour-policy)# no rule Type: Privileged	<priority>	Deletes the rules based on the rule priority.
ruckus(config-domain-zone-bonjour-policy)# rule Type: Privileged	<priority>	Sets the bonjour policy set of rules based on the rule priority.

[Table 48](#) lists the related domain-zone-bonjour-policy-rule configuration commands.

Table 48. Commands related to ruckus(config-domain-zone-bonjour-policy-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy-rule)# bridge-service Type: Privileged		Sets the bridge service.
ruckus(config-domain-zone-bonjour-policy-rule)# from-vlan Type: Privileged	<int>	Sets the from VLAN.
ruckus(config-domain-zone-bonjour-policy-rule)# notes Type: Privileged	<int>	Sets the notes.



Table 48. Commands related to ruckus(config-domain-zone-bonjour-policy-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy-rule)# protocol Type: Privileged		Sets the bridge service when it is 'other'.
ruckus(config-domain-zone-bonjour-policy-rule)# to-vlan Type: Privileged	<int>	Sets the VLAN.

Table 49 lists the related domain-zone-device-policy configuration commands.

Table 49. Commands related to ruckus(config-domain-zone-device-policy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-device-policy)# default-action Type: Privileged	[ allow   block ]	Sets the default action to either allow or block.
ruckus(config-domain-zone-device-policy)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-device-policy)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-device-policy)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-device-policy)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-device-policy)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-device-policy)# no policy-rule Type: Privileged	[ <Device Type> ]	Deletes the device policy rules.
ruckus(config-domain-zone-device-policy)# policy-rule Type: Privileged		Sets the device policy.

Table 50 lists the related domain-zone-device-policy-policy-rule configuration commands.

Table 50. Commands related to ruckus (config-domain-zone-device-policy-policy rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-device-policy-policy-rule)# action Type: Privileged	[ allow   block ]	Sets the default action to either allow or block.
ruckus(config-domain-zone-device-policy-policy-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-device-policy-policy-rule)# downlink Type: Privileged	[ <Rate Limiting> ] Rate limiting (mbps)	Sets the downlink rate limiting.
ruckus(config-domain-zone-device-policy-policy-rule)# no vlan Type: Privileged		Resets the VLAN number.
ruckus(config-domain-zone-device-policy-policy-rule)# type Type: Privileged	[ <Device Type> ]	Sets the device type.
ruckus(config-domain-zone-device-policy-policy-rule)# uplink Type: Privileged	[ <Rate Limiting> ] Rate limiting (mbps)	Sets the uplink rate limiting.
ruckus(config-domain-zone-device-policy-policy-rule)# vlan Type: Privileged	[ <VLAN Number> ]]	Sets the VLAN number.

Table 51 lists the related domain-zone-diffserv configuration commands.

Table 51. Commands related to ruckus(config-domain-zone-diffserv).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-diffserv)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-diffserv)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-diffserv)# downlink-diffserv Type: Privileged	<value>	Enables the tunnel diffserv downlink and sets the diffserv number.
ruckus(config-domain-zone-diffserv)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-diffserv)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-diffserv)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-diffserv)# no Type: Privileged	description downlink-diffserv preserved-diffserv uplink-diffserv	Disables various options.
ruckus(config-domain-zone-diffserv)# preserved-diffserv Type: Privileged	<value>	Adds the preserved diffserv number.
ruckus(config-domain-zone-diffserv)# uplink-diffserv Type: Privileged	<value>	Enables the tunnel diffserv uplink and sets the diffserv number.

Table 52 lists the related domain-zone-guest-access configuration commands.

Table 52. Commands related to ruckus (config-zone-guest-access).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-guest-access)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-guest-access)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-guest-access)# enable-terms-and-conditions Type: Privileged		Enables the web portal terms and conditions.
ruckus(config-domain-zone-guest-access)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-guest-access)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-guest-access)# grace-period Type: Privileged	<minutes>	Sets the grace period.
ruckus(config-domain-zone-guest-access)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-guest-access)# language Type: Privileged		Sets the language.
ruckus(config-domain-zone-guest-access)# logo Type: Privileged	<ftp-url>: FTP URL, format: ftp:// <username>:<password>@<ip>/<file-path>	Sets the logo.

Table 52. Commands related to ruckus (config-zone-guest-access).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-guest-access)# name Type: Privileged	<name>	Sets the guess access service name.
ruckus(config-domain-zone-guest-access)# no Type: Privileged	enable-terms-and-conditions sms-gateway terms-and-conditions	Disables the various options.
ruckus(config-domain-zone-guest-access)# session-timeout Type: Privileged	<minutes>	Sets the session timeout as per the specified minutes.
ruckus(config-domain-zone-guest-access)# sms-gateway Type: Privileged		Sets the guest pass for the SMS gateway.
ruckus(config-domain-zone-guest-access)# start-page Type: Privileged	original redirect <start-url>	Sets the start page.
ruckus(config-domain-zone-guest-access)# terms-and-conditions Type: Privileged		Sets the terms and conditions for the web portal.
ruckus(config-domain-zone-guest-access)# title Type: Privileged		Sets the title for the web portal.

[Table 53](#) lists the related domain-zone-hotspot configuration commands.

Table 53. Commands related to ruckus(config-domain-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot)# description Type: Privileged	<text>	Sets the description.

Table 53. Commands related to ruckus(config-domain-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-hotspot)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-hotspot)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-hotspot)# grace-period Type: Privileged	<minutes>	Sets the grace period.
ruckus(config-domain-zone-hotspot)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-hotspot)# language Type: Privileged		Sets the portal language.
ruckus(config-domain-zone-hotspot)# location-id Type: Privileged	<location-id>	Sets the location ID.
ruckus(config-domain-zone-hotspot)# location-name Type: Privileged	<name>	Sets the location name.
ruckus(config-domain-zone-hotspot)# logo Type: Privileged	<ftp-url>	Sets the logo.
ruckus(config-domain-zone-hotspot)# logon-url Type: Privileged	internal external <logon-url>	Sets the logon model

Table 53. Commands related to ruckus(config-domain-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-domain-zone-hotspot)# no Type: Privileged	show-terms-conditions walled-garden <walled-garden-list> - Allows unauthorized destinations. Comma-separated IP, IP range, CIDR and regular expression domain name list.	Disables the commands.
ruckus(config-domain-zone-hotspot)# session-timeout Type: Privileged	<minutes>	Sets the sessions timeout.
ruckus(config-domain-zone-hotspot)# show-terms-conditions Type: Privileged		Shows the terms and conditions.
ruckus(config-domain-zone-hotspot)# smart-client-support Type: Privileged	none enable only <instructions>	Sets the smart client support.
ruckus(config-domain-zone-hotspot)# start-page Type: Privileged	original redirect <start-url>	Sets the start page.
ruckus(config-domain-zone-hotspot)# terms-conditions Type: Privileged	<terms>	Sets the terms and conditions.
ruckus(config-domain-zone-hotspot)# title Type: Privileged	<title>	Sets the title.



Table 53. Commands related to ruckus(config-domain-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot)# walled-garden Type: Privileged	<walled-garden-list>	Enables Walled Garden. Allows unauthorized destinations. Comma-separated IP, IP range, CIDR and regular expression domain name list

Table 53 lists the related domain-zone-hotspot20-venue-profile configuration commands.

Table 54. Commands related to ruckus(config-domain-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-venue-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-hotspot20-venue-profile)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-hotspot20-venue-profile)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-hotspot20-venue-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-hotspot20-venue-profile)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-hotspot20-venue-profile)# no Type: Privileged	venue-names wan-at-capacity wan-sym-link	Disables the commands.



Table 54. Commands related to ruckus(config-domain-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-venue-profile) Type: Privileged	factory-and-industrial [ unspecified   factory ]  institutional [ hospital   group-home   unspecified   prison-or-jail   long-term-care-facility   alcohol-and-drugrehabilitation-center ]  mercantile [ grocery-market   automotive-service-station   unspecified   retail-store   gas-station   shopping-mall ]  residential [ unspecified   private-residence   hotel-or-motel   dormitory   boarding-house ]  storage unspecified  utility-and-miscellaneous unspecified  vehicular [ train   airplane   ferry   automobile-or-truck   bus   motor-bike   unspecified   ship-or-boat  outdoor [ unspecified   city-park   bus-stop   traffic-control   rest-area   muni-mesh-network   kiosk ]	Sets the venue category.

Table 54. Commands related to ruckus(config-domain-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-venue-profile)# venue-names Type: Privileged	<language> <names>	Sets the venue-names.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-at-capacity Type: Privileged		Sets the WAN capacity.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-downlink-load Type: Privileged	<downlink-load> - Load between 1 and 255	Sets the WAN downlink load.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-downlink-speed Type: Privileged	<speed>	Sets the WAN downlink speed in (kbps).
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-link-status Type: Privileged	[ link-up   link-test   link-down ]	Sets the link status.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-load-duration Type: Privileged	<duration>	Sets the load measurement duration.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-sym-link Type: Privileged		Enables symmetric link.
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-uplink-load Type: Privileged	<uplink-load>	Sets the WAN uplink load.

Table 54. Commands related to ruckus(config-domain-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-venue-profile)# wan-uplink-speed Type: Privileged	<speed> - Uplink speed in kbps	Sets the WAN uplink speed.

[Table 55](#) lists the related domain-zone-hotspot20-wlan-profile configuration commands.

Table 55. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-wlan-profile)# access-network-type Type: Privileged		Sets the access network type.
ruckus(config--domain-zone-hotspot20-wlan-profile)# asra Type: Privileged		Sets the ASRA profile.
ruckus(config--domain-zone-hotspot20-wlan-profile)# asra-dns-redirect Type: Privileged	<url>	Sets the ASRA DNS redirection.
ruckus(config--domain-zone-hotspot20-wlan-profile)# asra-http-redirect Type: Privileged		Sets the ASRA HTTP redirection.
ruckus(config--domain-zone-hotspot20-wlan-profile)# asra-online-signup Type: Privileged	<ssid>	Sets the ASRA online signup.
ruckus(config--domain-hotspot20-wlan-profile)# asra-terms-conditions Type: Privileged	<url>	Sets the ASRA terms and conditions.

Table 55. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config--domain-zone-hotspot20-wlan-profile)# connect-capabilities Type: Privileged	[ pptp   http   voip-6   ipsec-vpn   ikev2   ftp   tls   voip-17   icmp   ssh   esp ] [ open   unknown   closed ]	Sets the connection capabilities.  pptp: Protocol Number:6 Port:1723 Protocol Name: Used by PPTP VPNs  http: Protocol Number:6 Port:80 Protocol Name: HTTP  voip-6: Protocol Number:6 Port:5060 Protocol Name: VoIP  ipsec-vpn: Protocol Number:17 Port:4500 Protocol Name: IPsec VPN  ikev2: Protocol Number:17 Port:500 Protocol Name: Used by IKEv2(IPsec VPN)  tls: Protocol Number:6 Port:443 Protocol Name: Used by TLS VPN  voip-17: Protocol Number:17 Port:5060 Protocol Name: Voip  icmp: Protocol Number:1 Port:0 Protocol Name: ICMP  .....continued

Table 55. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config--domain-zone-hotspot20-wlan-profile)# connect-capabilities Type: Privileged	[ pptp   http   voip-6   ipsec-vpn   ikev2   ftp   tls   voip-17   icmp   ssh   esp ] [ open   unknown   closed ]	ssh: Protocol Number:6 Port:22 Protocol Name: SSH  esp: Protocol Number:50 Port:0 Protocol Name: ESP  open: Open  unknown: Unknown  closed: Closed
ruckus(config--domain-zone-hotspot20-wlan-profile)# cust-connect-capabilities Type: Privileged	<protocol-name> <protocol-number>	Creates or updates the custom connection capabilities.
ruckus(config--domain-zone-hotspot20-wlan-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-hotspot20-wlan-profile)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-hotspot20-wlan-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-hotspot20-wlan-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-hotspot20-wlan-profile)# help Type: Privileged		Displays the help.

Table 55. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-wlan-profile)# identity-providers Type: Privileged	<identityProvider> default	Sets the identity providers.
ruckus(config-domain-zone-hotspot20-wlan-profile)# internet-option Type: Privileged	enable	Enables the specified WLAN with Internet connectivity.
ruckus(config-domain-zone-hotspot20-wlan-profile)# ipv4-address Type: Privileged	[ port-restrict-address   single-nated-private-address   double-nated-private-address   port-restricted-addressdouble-nated-address   unknown   public-address   port-restricted-address-single-nated-address   not-available ]>	Sets the IPv4 address.
ruckus(config-domain-zone-hotspot20-wlan-profile)# ipv6-address Type: Privileged	[ not-available   unknown   available ]	Sets the IPv6 address.
ruckus(config-domain-zone-hotspot20-wlan-profile)# name Type: Privileged	<name>	Sets the hotspot 2.0 WLAN profile name.
ruckus(config-domain-zone-hotspot20-wlan-profile)# no Type: Privileged	asra asra-dns-redirect asra-http-redirect asra-online-signup asra-terms-conditions cust-connect-capabilities identity-providers internet-option	Disables the commands.



Table 55. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-wlan-profile)# operator Type: Privileged	<name>	Sets the operator name.

[Table 56](#) lists the related domain-zone-hotspot20-wlan-profile-cust-connect-capabilities configuration commands.

Table 56. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# port Type: Privileged	<port>	Set the port number.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)# protocol Type: Privileged	<protocol>	Sets the protocol number.

Table 56. Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities) status Type: Privileged	[ closed   unknown   open]	Sets the status.

Table 57 lists the related domain-zone-l2-acl configuration commands.

Table 57. Commands related to ruckus(config-domain-zone-l2-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-l2-acl)# action Type: Privileged	[ allow   block ]	Sets the handling action to allow or block.
ruckus(config-domain-zone-l2-acl)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-l2-acl)# mac Type: Privileged	#{value}	Sets the MAC value.
ruckus(config-domain-zone-l2-acl)# no mac Type: Privileged	#{value}	Disables the MAC value.

Table 58 lists the related domain-zone-vlan-pooling configuration commands.

Table 58. Commands related to ruckus(config-domain-zone-vlan-pooling)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-vlan-pooling)# algo Type: Privileged	mac-hash	Sets the algorithm.
ruckus(config-domain-zone-vlan-pooling)# description Type: Privileged	<text>	Sets the description.

Table 58. Commands related to ruckus(config-domain-zone-vlan-pooling)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-vlan-pooling)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-vlan-pooling)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-vlan-pooling)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-vlan-pooling)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-vlan-pooling)# no Type: Privileged	description pooling	Disables various option
ruckus(config-domain-zone-vlan-pooling)# pooling Type: Privileged	range <start-value> <end-value>: VLAN range single <value>: Single VLAN ID	Adds the VLAN pooling.

[Table 59](#) lists the related domain-zone-web-authentication configuration commands.

Table 59. Commands related to ruckus (config-domain-zone-web-authentication)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-web-authentication)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-web-authentication)# grace-period Type: Privileged	<minutes>	Sets the grace period.

Table 59. Commands related to ruckus (config-domain-zone-web-authentication)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-web-authentication)# language Type: Privileged		Sets the language.
ruckus(config-domain-zone-web-authentication)# session-timeout Type: Privileged	<minutes>	Sets the session timeout as per the specified minutes.
ruckus(config-domain-zone-web-authentication)# start-page Type: Privileged	original redirect <start-url>	Sets the start page.

Table 60 lists the related domain-zone-wlan configuration commands.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# access-network Type: Privileged		Enables tunnel WLAN traffic to the controller.
ruckus(config-domain-zone-wlan)# acct-delay-time Type: Privileged		Enables the acct-delay time.
ruckus(config-domain-zone-wlan)# acct-interval Type: Privileged	<minutes>	Set the authentication service. Enables accounting interval to send interim updates.
ruckus(config-domain-zone-wlan)# acct-service Type: Privileged	<name>	Sets the accounting service.
ruckus(config-domain-zone-wlan)# acct-service-use-proxy Type: Privileged		Set the accounting service: Uses the controller as proxy.
ruckus(config-domain-zone-wlan)# acct-ttg-session Type: Privileged		Sets the accounting service. Enables accounting for TTG sessions.

Table 60. Commands related to ruckus(config-domain-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# auth-method Type: Privileged		Sets the authentication method.
ruckus(config-domain-zone-wlan)# auth-service Type: Privileged	<name>	Sets the authentication service.
ruckus(config-domain-zone-wlan)# auth-service-use-proxy Type: Privileged		Sets the authentication service. Enables accounting for TTG sessions.
ruckus(config-domain-zone-wlan)# auth-type Type: Privileged		Sets the authentication type.
ruckus(config-domain-zone-wlan)# bss-minrate Type: Privileged	[ 5.5mbps   24mbps   12mbps   1mbps   2mbps ]	Sets the BSS minimum rate.
ruckus(config-domain-zone-wlan)# bypass-cna Type: Privileged		Enable to bypass CNA server.
ruckus(config-domain-zone-wlan)# called-sta Type: Privileged		Sets the called STA ID.
ruckus(config-domain-zone-wlan)# client-fingerprinting Type: Privileged		Sets the client fingerprinting.
ruckus(config-domain-zone-wlan)# client-tx-rx-statistics Type: Privileged		Enables ignore statistics from unauthorized clients.
ruckus(config-domain-zone-wlan)# core-network Type: Privileged	[ l3ogre   ttg-pdg   bridge   mixed   l2ogre   pmipv6 ]	Sets the core network.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# description Type: Privileged	<text>	Sets the description,
ruckus(config-domain-zone-wlan)# device-policy Type: Privileged	[ <Policy Name> ]	Sets the device policy.
ruckus(config-domain-zone-wlan)# dgaf Type: Privileged		Disables downstream group-address frame forwarding.
ruckus(config-domain-zone-wlan)# dhcp-option-82 Type: Privileged		Enables DHCP option 82.
ruckus(config-domain-zone-wlan)# dhcp-option-82-format Type: Privileged	[ ruckus-gre   soft-gre ]	Enables DHCP option 82 format options.
ruckus(config-domain-zone-wlan)# diffserv-profile Type: Privileged	<name>	Sets the Diffserv profile
ruckus(config-domain-zone-wlan)# disable-band-balancing Type: Privileged		Disables radio band balancing on WLAN.
ruckus(config-domain-zone-wlan)# disable-load-balancing Type: Privileged		Disables client load balancing on WLAN.
ruckus(config-domain-zone-wlan)# disable-wlan Type: Privileged		Disables this WLAN service.
ruckus(config-domain-zone-wlan)# dnlk-limit Type: Privileged		Sets the downlink rate limiting.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-wlan)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-wlan)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-wlan)# enable-rfc5580-support Type: Privileged		Enables this attribute to deliver the location information only for those APs where location attribute is configured.
ruckus(config-domain-zone-wlan)# enable-type Type: Privileged		Enables the WLAN service type.
ruckus(config-domain-zone-wlan)# enc-algorithm Type: Privileged		Sets the encryption algorithm.
ruckus(config-domain-zone-wlan)# enc-method Type: Privileged		Sets the encryption method.
ruckus(config-domain-zone-wlan)# enc-mfp Type: Privileged		Sets the MFP.
ruckus(config-domain-zone-wlan)# enc-passphrase Type: Privileged	<password>	Sets the encryption passphrase.
ruckus(config-domain-zone-wlan)# enc-wep-key Type: Privileged	<wep-key-index> <wep-key> WEP key (HEX), length should be 10 (WEP-64) or 26 (WEP-128)	Sets WEP key (HEX).

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# force-dhcp Type: Privileged	timeout <seconds> timeout: Sets the disconnect client timeout interval <seconds>: Sets the disconnect client timeout in intervals of 5 - 15 seconds	Sets the timeout for DHCP in seconds.
ruckus(config-domain-zone-wlan)# forwarding-policy Type: Privileged		Sets the forwarding policy configurations.
ruckus(config-domain-zone-wlan)# guest-access Type: Privileged	<name>	Sets the guest access service.
ruckus(config-domain-zone-wlan)# guest-access-acct-service Type: Privileged		Sets the accounting server.
ruckus(config-domain-zone-wlan)# guest-access-auth-service Type: Privileged		Sets the authentication server.
ruckus(config-domain-zone-wlan)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-wlan)# hessid Type: Privileged	<hessid>	Sets the WLAN HESSID value.
ruckus(config-domain-zone-wlan)# hide-ssid Type: Privileged		Hides SSID in beacon broadcast.
ruckus(config-domain-zone-wlan)# hotspot Type: Privileged	<name>	Sets the hotspot service.



Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# hotspot2 Type: Privileged	<name>	Sets the hotspot 2.0 configuration.
ruckus(config-domain-zone-wlan)# hotspot20-osu-support Type: Privileged		Enables the hotspot 2.0 device registration from the guest portal.
ruckus(config-domain-zone-wlan)# inactivity-timeout Type: Privileged	<number>	Sets the inactivity timeout. Terminates idle user sessions after the specified seconds of inactivity.
ruckus(config-domain-zone-wlan)# l2-acl Type: Privileged	[ <ACL Name> ]	Sets the layer 2 access control list.
ruckus(config-domain-zone-wlan)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-domain-zone-wlan)# mac-auth Type: Privileged	<password>	Sets the MAC authentication.
ruckus(config-domain-zone-wlan)# max-clients Type: Privileged	<number>	Sets the maximum clients. Allows clients per AP radio to associate with this WLAN. Range is between 1 and 512.
ruckus(config-domain-zone-wlan)# mgmt-tx-rate Type: Privileged	[[ 48mbps   2mbps   36mbps   1mbps   18mbps   12mbps   11mbps   5.5mbps   6mbps   54mbps   9mbps   24mbps ]	Sets the management Tx rates.



Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# no Type: Privileged	pmk-caching proxy-arp qinq-vlan qos-map-enable roam support-802-11d uplink-limit user-traffic-profile vlan-enabled vlan-pooling wireless-client-isolation wispr-ttg-support zero-it-activation zero-it-onboarding	Disables or deletes the configuration settings.
ruckus(config-domain-zone-wlan)# ofdm-only Type: Privileged		Enables OFDM (Orthogonal Frequency Division Multiplexing) rates.
ruckus(config-domain-zone-wlan)# okc-support Type: Privileged		Enables OKC support.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# onboarding-auth-service Type: Privileged	<p>&lt;service-name&gt; local &lt;realm&gt;</p> <p>&lt;service-name&gt; remote &lt;realm&gt;</p> <p>&lt;service-name&gt; local &lt;realm&gt; never</p> <p>&lt;service-name&gt; local &lt;realm&gt; hour &lt;expiration-value&gt; - Expiration value between 1 and 175200.</p> <p>&lt;service-name&gt; local &lt;realm&gt; day &lt;expiration-value&gt; - Expiration value between 1 and 7300.</p> <p>&lt;service-name&gt; local &lt;realm&gt; week &lt;expiration-value&gt; - Expiration value between 1 and 1040.</p> <p>&lt;service-name&gt; local &lt;realm&gt; month &lt;expiration-value&gt; - Expiration value between 1 and 240.</p>	Sets the onboarding authentication service.
ruckus(config-domain-zone-wlan)# onboarding-auth-service-use-proxy Type: Privileged		Sets the onboarding authentication service using the controller proxy server.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# onboarding-portal Type: Privileged	<name>	Sets the onboarding portal.
ruckus(config-domain-zone-wlan)# operator-realm Type: Privileged		Sets the operator realm.
ruckus(config-domain-zone-wlan)# pmk-caching-support Type: Privileged		Enables the PMK caching support.
ruckus(config-domain-zone-wlan)# priority Type: Privileged		Sets the priority as either low or high.
ruckus(config-domain-zone-wlan)# proxy-arp Type: Privileged		Enables proxy ARP.
ruckus(config-domain-zone-wlan)# qinq-vlan Type: Privileged	<s-vlan-id>	Enables Q-in-Q VLAN.
ruckus(config-domain-zone-wlan)# qos-map Type: Privileged	<priority>	Updates the QoS map.
ruckus(config-domain-zone-wlan)# qos-map-enable Type: Privileged		Enables the QoS map.
ruckus(config-domain-zone-wlan)# radius-nas-id Type: Privileged	<number>	Sets the RADIUS NAS ID.
ruckus(config-domain-zone-wlan)# radius-nas-max-retries Type: Privileged	<times>	Sets the maximum number of retries for RADIUS NAS.

Table 60. Commands related to ruckus(config-domain-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# radius-nas-reconnect-primary Type: Privileged	<minutes>	Sets the reconnection to the primary RADIUS NAS.
ruckus(config-domain-zone-wlan)# radius-nas-request-timeout Type: Privileged	<seconds>	Sets the RADIUS NAS request timeout.
ruckus(config-domain-zone-wlan)# radius-nas-type Type: Privileged		Sets the RADIUS NAS type.
ruckus(config-domain-zone-wlan)# roam Type: Privileged		Enables roaming.
ruckus(config-domain-zone-wlan)# roam-factor Type: Privileged	2.4g <value> 5g <value>	Sets the roam factor.
ruckus(config-domain-zone-wlan)# scheduler Type: Privileged	[ <Profile Name> ]	Sets the WLAN scheduler profile.
ruckus(config-domain-zone-wlan)# ssid Type: Privileged	<ssid>	Sets the WLAN SSID configuration.
ruckus(config-domain-zone-wlan)# support-802-11d Type: Privileged		Enables support for 802.11d.
ruckus(config-domain-zone-wlan)# uplink-limit Type: Privileged		Sets the uplink rate limiting.
ruckus(config-domain-zone-wlan)# user-traffic-profile Type: Privileged		Sets the user traffic profile.

Table 60. Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# vlan-enabled Type: Privileged		Enables dynamic VLAN.
ruckus(config-domain-zone-wlan)# vlan-id Type: Privileged	<vlan-id>	Sets the VLAN ID
ruckus(config-domain-zone-wlan)# vlan-pooling Type: Privileged	<name>	Enables and sets the VLAN pooling profile.
ruckus(config-domain-zone-wlan)# web-authentication Type: Privileged	<name>	Sets the web authentication service.
ruckus(config-domain-zone-wlan)# wechat Type: Privileged	<name>	WeChat services
ruckus(config-domain-zone-wlan)# wireless-client-isolation Type: Privileged		Sets the wireless client Isolation.
ruckus(config-domain-zone-wlan)# wispr-ttg-support Type: Privileged		Enables WISPr TTG support.
ruckus(config-domain-zone-wlan)# zero-it-activation Type: Privileged		Enables zero-it activation (WLAN users are provided with wireless configuration installer after they log in).
ruckus(config-domain-zone-wlan)# zero-it-onboarding Type: Privileged		Enables zero-it device registration from the guest portal.

Table 57 lists the related domain-zone-wlan-qos-map configuration commands.

Table 61. Commands related to ruckus(config-domain-zone-wlan-qos-map)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan-qos-map)# dscp-range Type: Privileged	<dscp-low-value> <dscp-high-value>	Sets the range as either high or low values for DSCP.
ruckus(config-domain-zone-wlan-qos-map)# enable Type: Privileged		Enables the QoS map setting.
ruckus(config-domain-zone-wlan-qos-map)# excp-dscp-values Type: Privileged		Sets the exception values for DSCP.
ruckus(config-domain-zone-wlan-qos-map)# no Type: Privileged	enable excp-dscp-values	Disables the commands.

Table 62 lists the related domain-zone-wlan-group configuration commands.

Table 62. Commands related to ruckus(config-domain-zone-wlan-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan-group)# description Type: Privileged	<text>	Sets the description,
ruckus(config-domain-zone-wlan-group)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-wlan-group)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-zone-wlan-group)# exit Type: Privileged		Exits from the EXEC.



Table 62. Commands related to ruckus(config-domain-zone-wlan-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan-group)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-wlan-group)# no Type: Privileged	wlan <name>	Disables or removes WLAN from this group.
ruckus(config-domain-zone-wlan-group)# wlan Type: Privileged	<name> vlan <vlanTag> nasid <nasid> <name> nasid <nasid> vlan <vlanTag> <name> vlan <vlanTag> <name> nasid <nasid> <name> vlan-pooling <vlanPooling> <name> vlan-pooling <vlanPooling> <nasid> <name>	Sets a WLAN in this group or overrides VLAN setting.

[Table 63](#) lists the related domain-zone-wlan-scheduler configuration commands.

Table 63. Commands related to ruckus (config-domain-zone-wlan-scheduler).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan-scheduler)# description Type: Privileged	<text>	Sets the description,
ruckus(config-domain-zone-wlan-scheduler)# no Type: Privileged	description schedule-data [ <weekday   empty> ] [ <start time value   empty> ] [ <end time value> ]   \${weekday}	Disables the commands.

Table 63. Commands related to ruckus (config-domain-zone-wlan-scheduler).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan-scheduler)# schedule-data Type: Privileged	<weekday   empty> ] [ <start time value   empty> ] [ <end time value> ]  \${weekday}	Sets the schedule table.

## dp-group

To enable and set the data plane grouping, use the following command.

**ruckus(config)# dp-group <dp-mac-group>**

### Syntax Description

This command uses the following syntax:

<dp-mac-group>: Dataplane groups, which is comma separated DP MAC addresses in a group. For example, 3 DP value is seen as “,”.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# dp-group dp1-172.19.7.100 dp2-172.19.8.120
```

# Configuration Commands (e - r)

# 3

This chapter describes the commands that you can use to configure, enable, and disable various controller components. The following table lists the commands.

**NOTE:** For easy access and reading, the configuration chapter has been split into 3 chapters based on the alphabetical order of commands.

Table 64. Configuration commands

eap-aka	eap-sim	encrypt-mac-ip	end	eth-port-validate-one-trunk
event	event db-persistence	event email	event snmp-trap	event-email
event-threshold	exit	ftp-server	ftp-test	gateway-advance
ggsn-service	help	hlr-mnc-ndc	hlr-service	hlr-system-wide
hostname	hotspot-profile	hs20-ssl3	identity-provider	interface
ip control-nat	ip default-gateway	ip default-gateway-ipv6	ip internal-subnet	ip name-server
ip name-server-ipv6	ip route	ip route-ipv6	ip separate-access-core	ip-support
ipsec-profile	l2ogre-profile	l3ogre-profile	lbs-service	ldap-service
license cloud	license export	license import	license local	license sync-now
lineman	localdb-service	logging console	lwapp2scg	mgmt-acl
mvno	network-traffic-profile	no 3rd-zone	no acct-profile	no ad-service
no admin	no admin-radius	no adv-forwarding-profile	no ap	no ap auto-tagging

Table 64. Configuration commands

no ap-cert-check	no ap-control-mgmt-tos	no ap-root-ca	no ap-sci	no ap-snmpp
no ap-zone-aggregate	no auth-profile	no bonjour-gateway	no bonjour-policy	no bridge-profile
no cert-store	no cgf-service	no cls-sess-msisdn	no control-plane	no data-plane
no diameter-remote-service	no domain	no dp-group	no eap-aka	no eap-sim
no encrypt-mac-ip	no event	no ftp-server	no ggsn-service	no hlr-mnc-ndc
no hlr-service	no hotspot-profile	no hs20-ssl3	no identity-provider	no interface
no ip	no l2ogre-profile	no l3ogre-profile	no lbs-service	no ldap-service
no lineman	no logging	no mvno	no network-traffic-profile	no oauth-service
no operator-profile	no osu-portal-profile	no outbound-firewall	no pmipv6-profile	no radius-service
no report	no rks-gre	no role	no snmp-trap	no snmp-v2-community
no snmp-v3-user	no soft-gre	no subpackages	no ttg-pdg-profile	no user-agent-blacklist
no user-role	no user-traffic-profile	no zone	no zone-template	node-affinity-config
northbound-authtype	northbound-portal	ntp-server	oauth-service	operator-profile
osu-portal-profile	outbound-firewall	pmipv6-profile	q-in-q-ethertype	radius-service
rebalance-aps	rks-gre	role		

## eap-aka

To setup the EAP-AKA configuration, use the following command.

```
ruckus(config)# eap-aka <enable>
```

### Syntax Description

This command uses the following syntax:

enable: Enable EAP-AKA

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# eap-aka enable
```

### Related Commands

[Table 65](#) lists the related eap-aka configuration commands.

Table 65. Commands related to ruckus(config-eap-aka)

Syntax and Type	Parameters (if any)	Description
ruckus(config-eap-aka)# active-secret Type: Privileged		Sets the EAP-AKA active secret key number.
ruckus(config-eap-aka)# cache-cleanup Type: Privileged		Enables cache cleanup setting.
ruckus(config-eap-aka)# cache-cleanup-time Type: Privileged	<hours> <minutes>	Sets the cache cleanup setting.
ruckus(config-eap-aka)# cache-history-len Type: Privileged	<history-length>	Sets the cache history length.
ruckus(config-eap-aka)# do Type: Privileged		Executes the do command.

Table 65. Commands related to ruckus(config-eap-aka)

Syntax and Type	Parameters (if any)	Description
ruckus(config-eap-aka)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-eap-aka)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-eap-aka)# help Type: Privileged		Displays the help.
ruckus(config-eap-aka)# fast-reauth Type: Privileged		Enables re-authentication support.
ruckus(config-eap-aka)# max-reauth Type: Privileged	<number>	Sets the maximum successive re-authentication.
ruckus(config-eap-aka-sim)# no Type: Privileged	cache-cleanup fast-reauth secret user-id-privacy	Disables various options.
ruckus(config-eap-aka)# reauth-realm Type: Privileged	<re-auth-realm>	Sets the re-authentication realm.
ruckus(config-eap-aka)# secret Type: Privileged	<secret-key>	Adds EAP-AKA secret key.
ruckus(config-eap-aka)# user-id-privacy Type: Privileged		Enables the user Id privacy support.

## eap-sim

To setup the EAP-SIM configuration, use the following command.

```
ruckus(config)# eap-sim <enable>
```

### Syntax Description

This command uses the following syntax:

enable: Enable EAP-SIM

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# eap-sim enable
```

### Related Commands

[Table 66](#) lists the related eap-sim configuration commands.

Table 66. Commands related to ruckus(config-eap-sim)

Syntax and Type	Parameters (if any)	Description
ruckus(config-eap-sim)# active-secret Type: Privileged		Sets the EAP-SIM active secret key number.
ruckus(config-eap-sim)# cache-cleanup Type: Privileged		Enables the cache cleanup settings.
ruckus(config-eap-sim)# cache-cleanup-time Type: Privileged	<hours> <minutes>	Set the cache cleanup settings.
ruckus(config-eap-sim)# cache-history-len Type: Privileged	<number>	Set the cache history length.
ruckus(config-eap-sim)# do Type: Privileged		Executes the do command.

Table 66. Commands related to ruckus(config-eap-sim)

Syntax and Type	Parameters (if any)	Description
ruckus(config-eap-sim)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-eap-sim)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-eap-sim)# help Type: Privileged		Displays the help.
ruckus(config-eap-sim)# fast-reauth Type: Privileged		Enables re-authentication support.
ruckus(config-eap-sim)# max-reauth Type: Privileged	<number>	Sets the maximum successive re-authentication.
ruckus(config-eap-sim)# no Type: Privileged	cache-cleanup fast-reauth secret user-id-privacy:	Disables various options.
ruckus(config-eap-sim)# reauth-realm Type: Privileged	<re-auth-realm>	Sets the re-authentication realm.
ruckus(config-eap-sim)# secret Type: Privileged	<secret-key>	Adds EAP-SIM secret key.
ruckus(config-eap-sim)# user-id-privacy Type: Privileged		Enables the user Id privacy support.



## encrypt-mac-ip

To enable encryption of MAC and IP address, use the following command.

```
ruckus(config)# encrypt-mac-ip
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# encrypt-mac-ip  
Successful operation
```

## end

To end the current session and returns to privileged EXEC mode, use the following command.

```
ruckus(config)# end
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# end
```

## eth-port-validate-one-trunk

To update the validator for an AP with at least one trunk port, use the following command.

## ruckus(config)# eth-port-validate-one-trunk

### Syntax Description

This command has the following keywords:

disable: Disable the validator for the AP with at least one trunk port

enable: Enable the validator for the AP with at least one trunk port

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# eth-port-validate-one-trunk
```

## event

To update the event notification configuration, use the following command.

```
ruckus(config)# event <eventCode>
```

### Syntax Description

This command uses the following syntax:

<eventCode>: Single configuration event notification

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# event 1002
```

### Related Commands

[Table 67](#) lists the related event configuration commands.

Table 67. Commands related to ruckus(config-event)

Syntax and Type	Parameters (if any)	Description
ruckus(config-event)# db-persistence Type: Privileged		Enables the data blade persistence for the event.
ruckus(config-event)# do Type: Privileged		Executes the do command.
ruckus(config-event)# email Type: Privileged		Enables the email notification.
ruckus(config-event)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-event)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-event)# help Type: Privileged		Displays the help.

Table 67. Commands related to ruckus(config-event)

Syntax and Type	Parameters (if any)	Description
ruckus(config-event)# no Type: Privileged	db-persistence email snmp-trap	Disables various options.
ruckus(config-event)# snmp-trap Type: Privileged		Enables the SNMP trap.

## event db-persistence

To enable data base persistence for the event, use the following command.

**ruckus(config)# event db-persistence**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# event db-persistence
```

```
No.  Event Code  Category Type  Description  Severity  SNMP  Email
DB Persistence
```

```
-----
1 103 AP Communication AP status changed to Managed This event
occurs when AP is appro Informationnal Enabled Enabled Enabled
by the SCG.
```

```
2 105 AP Communication AP rejected
This event occurs when AP is rejected Minor Enabled by the SCG.
```

```
3 106 AP Communication AP firmware updated
This event occurs when AP successful Informationnal Enabled updates
the firmware details to the SCG.
```

Please choose Event Codes (separated by ',') to enable DB persistence events:

## event email

To enable event triggers for selected email notification, use the following command.

```
ruckus(config)# event email <eventCode>
```

### Syntax Description

This command has no arguments or keywords.

### Command Mode

Config

### Example

```
ruckus(config)# event email 305, 214, 113
```

## event snmp-trap

To enable the events to trigger the SNMP trap, use the following command.

```
ruckus(config)# event snmp-trap <eventCode>
```

### Syntax Description

This command has no arguments or keywords.

### Command Mode

Config

### Example

```
ruckus(config)# event snmp-trap 305,114,102
```

# event-email

To setup the event to email services, use the following command.

**ruckus(config)# event-email <eventCode>**

## Syntax Description

This command has no arguments or keywords.

## Command Mode

Config

## Example

```
ruckus(config)# event-email
ruckus(config-event-email)#
```

## Related Commands

[Table 68](#) lists the related event-email configuration commands.

Table 68. Commands related to ruckus(config-event-email)

Syntax and Type	Parameters (if any)	Description
ruckus(config-event-email)# do Type: Privileged		Enables the do command.
ruckus(config-event-email)# enable Type: Privileged		Enables the email notifications for events.
ruckus(config-event-email)# mail-to Type: Privileged	<email>	Enables the email address configuration.
ruckus(config-event-email)# end Privileged		End the current configuration session and returns to the privileged EXEC mode.
ruckus(config-event-email)# exit Privileged		Exit from the EXEC.
ruckus(config-event-email)# help Privileged		Display the help message.
ruckus(config-event)# no Type: Privileged	enable mail-to email	Disables various options.

## event-threshold

To update the event threshold configuration, use the following command.

```
ruckus(config)# event-threshold <threshold>
```

### Syntax Description

This command has no arguments or keywords.

### Command Mode

Config

### Example

```
ruckus(config)# event-threshold thres
ruckus(config-event-threshold) #
```

### Related Commands

[Table 68](#) lists the related event-threshold configuration commands.

Table 69. Commands related to ruckus(config-event-threshold)

Syntax and Type	Parameters (if any)	Description
ruckus(config-event-threshold)# do Type: Privileged		Enables the do command.
ruckus(config-event-threshold)# end Type: Privileged		End the current configuration session and returns to the privileged EXEC mode.
ruckus(config-event-threshold)# exit Type: Privileged		Exit from the EXEC.
ruckus(config-event-threshold)# help Type: Privileged		Display the help message.
ruckus(config-threshold)# unit Type: Privileged		Sets the threshold unit.
ruckus(config-threshold)# value Type: Privileged	<value>	Sets the threshold value.

## exit

To exit from the EXEC, use the following command.

```
ruckus(config)# exit
```

### Syntax Description

This command has no arguments or keywords.

### Command Mode

Config

### Example

```
ruckus(config)# exit
```

## ftp-server

To update the FTP server for uploading reports configuration, use the following command.

```
ruckus(config)# ftp-server <name>
```

Once you enter the config-ftp-server context, you can configure the rest of the FTP server settings (see example below).

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

config

### Example

```
ruckus(config)# ftp-server ftp1
ruckus(config-ftp-server)# host 1.1.1.1
ruckus(config-ftp-server)# port 21
ruckus(config-ftp-server)# username test
ruckus(config-ftp-server)# password
Password: ****
Retype: ****
```



```
ruckus(config-ftp-server)# exit
ruckus(config)#
```

### Related Commands

Table 70 lists the related ftp-server commands.

Table 70. Commands related to ruckus(config-ftp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ftp-server)# do Type: Privileged		Executes the do command.
ruckus(config-ftp-server)# enable Type: Privileged		Enable for uploading reports to the FTP server.
ruckus(config-ftp-server)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-ftp-server)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ftp-server)# help Type: Privileged		Displays the help.
ruckus(config-ftp-server)# host Type: Privileged	<ip>	Sets the FTP server IP address.
ruckus(config-ftp-server)# no Type: Privileged	<enable>	Disables uploaded reports to the FTP server.
ruckus(config-ftp-server)# password Type: Privileged	<password>	Sets the FTP password.
ruckus(config-ftp-server)# port Type: Privileged	<port>	Sets the FTP server port.
ruckus(config-ftp-server)# protocol Type: Privileged	<protocol>	Sets the protocol.
ruckus(config-ftp-server)# remote-directory Type: Privileged	<directory>	Sets the FTP remote directory.

Table 70. Commands related to ruckus(config-ftp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ftp-server)# test Type: Privileged		Test the FTP settings.
ruckus(config-ftp-server)# username Type: Privileged	<username>	Sets the user name.

## ftp-test

To test the FTP server connection, use the following command.

**ruckus(config)# ftp-test <name>**

### Syntax Description

This command uses the following syntax:

<name>: FTP server name

### Default

This command has no default settings.

### Command Mode

config

### Example

```
ruckus(config)# ftp-server FTP-SERVER
Fail to connection to FTP server
```

## gateway-advance

To set the gateway server advance options, use the following command.

**ruckus(config)# gateway-advance**

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

**Command Mode**

config

**Example**

```
ruckus(config)# gateway-advance
ruckus(config-gateway-advance)#
```

**Related Commands**

[Table 70](#) lists the related gateway-advance commands.

Table 71. Commands related to ruckus(config-gateway-advance)

Syntax and Type	Parameters (if any)	Description
ruckus(config-gateway-advance)# allow-sess-on-acct-fail Type: Privileged		Allows session on accounting failure.
ruckus(config-gateway-advance)# do Type: Privileged		Executes the do command.
ruckus(config-gateway-advance)# ecgi-in-gtpv2-msg Type: Privileged		Includes ECGI in GTPV2 messages.
ruckus(config-gateway-advance)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-gateway-advance)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-gateway-advance)# gtp-nsapi Type: Privileged	<number>	Define the number of GTP network service access point identifiers.
ruckus(config-gateway-advance)# help Type: Privileged		Displays the help.
ruckus(config-gateway-advance)# imei-ie-in-gtp-msg Type: Privileged		Includes IMEI IE in GTP messages.

Table 71. Commands related to ruckus(config-gateway-advance)

Syntax and Type	Parameters (if any)	Description
ruckus(config-gateway-advance)# no Type: Privileged	allow-sess-on-acct-fail ecgi-in-gtpv2-msg imei-ie-in-gtp-msg scg-rai-in-gtpv2-msg scg-sai-in-gtpv2-msg tai-in-gtpv2-msg	Disables the commands.
ruckus(config-gateway-advance)# scg-rai-in-gtpv2-msg Type: Privileged		Includes SCG-RAI in GTPV2 messages
ruckus(config-gateway-advance)# scg-sai-in-gtpv2-msg Type: Privileged		Includes SCG-SAI in GTPV2 messages
ruckus(config-gateway-advance)# tai-in-gtpv2-msg Type: Privileged		Include TAI in GTPV2 messages

## ggsn-service

To create or update the APN resolution to GGSN / PGW configuration, use the following command.

**ruckus(config)# ggsn-service <apn <name>>**

**ruckus(config)# ggsn-service <dns-retry <number>>**

**ruckus(config)# ggsn-service <dns-server <ip>>**

**ruckus(config)# ggsn-service <dns-timeout <seconds>>**

**ruckus(config)# ggsn-service <request-timer <seconds>>**

**ruckus(config)# ggsn-service <response-timer <seconds>>**

**ruckus(config)# ggsn-service <retry <number>>**

### Syntax Description

This command uses the following syntax:

apn <name>

apn: Creates or updates the APN resolution to GGSN / PGW configuration

<name>: Name of the APN

dns-retry <number>

dns-retry: Sets the number of DNS retry

<number>: Number of DNS retries

dns-server <ip> priority [down | up ]

dns-server: Sets the DNS server

<ip> DNS server IP address

priority [down | up ]: Change DNS server priority by moving the priority either up or down.

dns-timeout <seconds>

dns-timeout: Sets the DNS response timeout in seconds

<seconds>: DNS response timeout

request-timer <seconds>

request-timer: Sets the echo request timer in seconds

<seconds>: Echo request timeout

response-timer <seconds>

response-timer: Sets the echo response timer in seconds

<seconds>: Echo response timeout

retry <number>

retry: Sets the number of retries

<number>: Number of retries

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ggsn-service apn app1
ruckus(config)# ggsn-service dns-retry 10
ruckus(config)# ggsn-service dns-server host 1.1.1.1
ruckus(config)# ggsn-service dns-timeout 120
ruckus(config)# ggsn-service request-timer 90
ruckus(config)# ggsn-service response-timer 180
ruckus(config)# ggsn-service retry 05
```

## Related Commands

Table 72 lists the related ggsn-service-apn configuration commands.

Table 72. Commands related to ruckus(config-ggsn-service-apn)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ggsn-service-apn)# ip Type: Privileged	<ip>	Sets the GGSN IP address.
ruckus(config-ggsn-service-apn)# do Type: Privileged		Executes the do command.
ruckus(config-ggsn-service-apn)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-ggsn-service-apn)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ggsn-service-apn)# help Type: Privileged		Displays the help.

## help

To display the help message, use the following command.

**ruckus(config)# help**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# help
```

## hlr-mnc-ndc

To setup the HLR service MNC to NDC mapping configuration, use the following command.

```
ruckus(config)# hlr-mnc-ndc
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# hlr-mnc-ndc 345 346 679
```

### Related Commands

[Table 73](#) lists the related hlr-mnc-ndc server configuration commands.

Table 73. Commands related to ruckus(config-hlr-mnc-ndc)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-mnc-ndc)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-mnc-ndc)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-hlr-mnc-ndc)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-mnc-ndc)# help Type: Privileged		Displays the help.
ruckus(config-hlr-mnc-ndc)# mcc Type: Privileged	<mcc>	Sets the mobile country code.
ruckus(config-hlr-mnc-ndc)# mnc Type: Privileged	<mnc>	Sets the mobile network code.

Table 73. Commands related to ruckus(config-hlr-mnc-ndc)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-mnc-ndc)# ndc Type: Privileged	<ndc>	Sets the network destination code.

## hlr-service

To setup the HLR service MNC to NDC mapping configuration, use the following command.

**ruckus(config)# hlr-service <name>**

### Syntax Description

This command uses the following syntax:

name: Name of the HLR service

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# hlr-service hlr2
```

### Related Commands

- [Table 74](#) lists the related hlr-service configuration commands.
- [Table 75](#) lists the related hlr service sccp gtt configuration commands.
- [Table 76](#) lists the related hlr service sctp configuration commands.



Table 74 lists the related hlr-service configuration commands.

Table 74. Commands related to ruckus(config-hlr-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service)# auth-caching Type: Privileged		Enables authorization caching.
ruckus(config-hlr-service)# auth-map-version Type: Privileged	[version3   version2 ]	Sets the authorization MAP version.
ruckus(config-hlr-service)# av-caching Type: Privileged		Enables AV caching.
ruckus(config-hlr-service)# cache-cleanup-time Type: Privileged	daily <hour> <minute>	Sets the cache cleanup time.
ruckus(config-hlr-service)# cache-history-time Type: Privileged	<seconds>	Sets the cache history in seconds.
ruckus(config-hlr-service)# default-point-code-format Type: Privileged	[ integer   dotted ]	Sets the default point code format.
ruckus(config-hlr-service)# description Type: Privileged	<text>	Sets the description.
ruckus(config-hlr-service)# dest-gt-indicator Type: Privileged	[ 1   2 ]  1: Global title includes translation type only  2: Global title includes translation type, numbering plan, encoding scheme and nature of address indicator	Sets the destination global title indicator.

Table 74. Commands related to ruckus(config-hlr-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service)# dest-nature-addr-indicator Type: Privileged	[ 3   4   1   5   2 ] where  3: Reserved for National Use 4: National Significant Number 1: Unknown 5:International Number 2: Subscriber Number	Sets the destination address indicator.
ruckus(config-hlr-service)# dest-numbering-plan Type: Privileged	[ 1   2 ] 1: ISDN Mobile Numbering Plan (Recommendations E.214) 2: ISDN/telephony Numbering Plan (Recommendations E.164)	Sets the destination numbering plan.
ruckus(config-hlr-service)# dest-translation-type Type: Privileged	<translation-type>	Sets the destination translation type.
ruckus(config-hlr-service)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-service)# e164-address Type: Privileged	<e164-address>	Sets the address as per recommendations E.164.
ruckus(config-hlr-service)# eap-sim-map-version Type: Privileged	[version2   version3]	Sets the EAP-SIM MAP version.
ruckus(config-hlr-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.

Table 74. Commands related to ruckus(config-hlr-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-service)# friendly-name Type: Privileged	<friendly-name>	Sets the HLR service friendly name.
ruckus(config-hlr-service)# gt-point-code Type: Privileged	<point-code> <point-code-1> <point-code-2> <point-code-3>	Sets the GT point code.
ruckus(config-hlr-service)# help Type: Privileged		Displays the help.
ruckus(config-hlr-service)# local-point-code Type: Privileged	<point-code> <point-code-1> <point-code-2> <point-code-3>	Sets the local point code.
ruckus(config-hlr-service)# max-reuse-time Type: Privileged	<number>	Sets the maximum reuse time.
ruckus(config-hlr-service)# name Type: Privileged	<text>	Sets the HLR service name.
ruckus(config-hlr-service)# no Type: Privileged	auth-caching av-caching sccp-gtt <gt-digits> sctp <ip> source-has-point-code	Disables various options.
ruckus(config-hlr-service)# routing-context Type: Privileged	<routing-context>	Sets the routing context.
ruckus(config-hlr-service)# sccp-gtt Type: Privileged	<gt-digits>	Sets the SCCP GTT table configuration.

Table 74. Commands related to ruckus(config-hlr-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service)# sctp Type: Privileged	<ip>	Sets the SCTP association to core network configuration.
ruckus(config-hlr-service)# sgsn- isdn-addr Type: Privileged	<sgsn-isdn-address>	Sets the SGSN ISDN address.
ruckus(config-hlr-service)# source- gt-indicator Type: Privileged	[ 2   1 ]	Sets the source GT indicator to: 2: Global title Includes translation type, numbering plan, encoding scheme and nature of address indicator. 1: Global title includes translation type only.
ruckus(config-hlr-service)# source- has-point-code Type: Privileged		Enables the source point code.
ruckus(config-hlr-service)# source- nature-addr-indicator Type: Privileged	[ 3   2   4   1   5 ]	Sets the source nature address of indicator to: 3: Reserved for National Use 2: Subscriber Number 4: National Significant Number 1: Unknown 5: International Number
ruckus(config-hlr-service)# source- numbering-plan Type: Privileged	<1> 1: ISDN mobile numbering plan (recommendations E.163 and E.164).	Sets the source numbering plan.
ruckus(config-hlr-service)# source- translation-type Type: Privileged	<translation-type>	Sets the source translation type.

Table 75 lists the related hlr-service-sccp-gtt configuration commands.

Table 75. Commands related to ruckus(config-hlr-service-sccp-gtt)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service-sccp-gtt)# addr-indicator Type: Privileged	[ 2   1 ]	Sets the address indicator. 2: Route on SSN 1: Route on GT
ruckus(config-hlr-service-sccp-gtt)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-service-sccp-gtt)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-hlr-service-sccp-gtt)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-service-sccp-gtt)# help Type: Privileged		Displays the help.
ruckus(config-hlr-service-sccp-gtt)# e164-address Type: Privileged	<e164-address>	Address as per recommendations E.164.
ruckus(config-hlr-service-sccp-gtt)# gt-indicator Type: Privileged	[ 2   1 ]	Sets the GT indicator to: 2: Global title includes translation type, numbering plan, encoding scheme and nature of address indicator. 1: Global title includes translation type only.
ruckus(config-hlr-service-sccp-gtt)# has-point-code Type: Privileged		Sets the HAS point codes.
ruckus(config-hlr-service-sccp-gtt)# has-ssn Type: Privileged		Enables HAS upstream or downstream SSN.

Table 75. Commands related to ruckus(config-hlr-service-sccp-gtt)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service-sccp-gtt)# nature-addr-indicator Type: Privileged	[ 3   2   1   5   4 ]	Sets the destination nature of address indicator to: 3: Reserved for national use 2: Subscriber number 1: Unknown 5: International number 4: National significant number
ruckus(config-hlr-service-sccp-gtt)# no Type: Privileged	has-point-code has-ssn	Disables and deletes the set configurations.
ruckus(config-hlr-service-sccp-gtt)# numbering-plan Type: Privileged	[2   1]	Sets the numbering plan to: 2: ISDN/telephony numbering plan (recommendations E.164) 1: ISDN mobile numbering plan (recommendations E.214)
ruckus(config-hlr-service-sccp-gtt)# point-code Type: Privileged	<point-code> <point-code-1> <point-code-2> <point-code-3>	Sets the point codes.
ruckus(config-hlr-service-sccp-gtt)# translation-type Type: Privileged	<type>	Sets the translation type.

Table 76 lists the related hlr-service- sctp configuration commands.

Table 76. Commands related to ruckus(config-hlr-service-sctp)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service-sctp)# adj-point-code Type: Privileged	<point-code> <point-code-1> <point-code-2> <point-code-3>	Sets the point codes.
ruckus(config-hlr-service-sctp)# dest-port Type: Privileged	<port>	Sets the destination port.
ruckus(config-hlr-service-sctp)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-service-sctp)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-hlr-service-sctp)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-service-sctp)# help Type: Privileged		Displays the help.
ruckus(config-hlr-service-sctp)# max-inbound-streams Type: Privileged	<number>	Sets the maximum inbound streams.
ruckus(config-hlr-service-sctp)# max-outbound-streams Type: Privileged	<number>	Sets the maximum outbound streams.
ruckus(config-hlr-service-sctp)# source-port Type: Privileged	<port>	Sets the source port.

# hlr-system-wide

To setup the HLR system wide configuration, use the following command.

**ruckus(config)# hlr-system-wide**

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# hlr-system-wide
```

## Related Commands

[Table 77](#) lists the related hlr-system-wide configuration commands.

Table 77. Commands related to ruckus(config-hlr-system-wide)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-system-wide)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-system-wide)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-hlr-system-wide)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-system-wide)# help Type: Privileged		Displays the help.
ruckus(config-hlr-system-wide)# local-network-indicator Type: Privileged	[ 3   1 ] 3: National 1: International	Sets the local network indicator.



# hostname

To change the hostname, use the following command.

```
ruckus(config)# hostname <hostname>
```

## Syntax Description

This command uses the following syntax:

hostname: Changed hostname

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# hostname
```

```
This command will restart some services. Do you want to  
continue (or input 'no' to cancel)? [yes/no]
```

# hotspot-profile

To create or update the Hotspot (WISPr) service profile configuration, use the following command.

```
ruckus(config)# hotspot profile <name>
```

## Syntax Description

This command uses the following syntax:

name: Name of the Hotspot (WISPr) service profile

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# hotspot htsp1
```

## Related Commands

Table 78 lists the related hotspot-profile configuration commands.

Table 78. Commands related to ruckus(config-hotspot-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hotspot-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-hotspot-profile)# do Type: Privileged		Executes the do command.
ruckus(config-hotspot-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-hotspot-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hotspot-profile)# grace-period Type: Privileged	<minutes>	Sets the EAP-SIM MAP version.
ruckus(config-hotspot-profile)# help Type: Privileged		Displays the help.
ruckus(config-hotspot-profile)# language Type: Privileged		Sets the portal language.
ruckus(config-hotspot-profile)# location-id Type: Privileged	<location-id>	Sets the location ID.
ruckus(config-hotspot-profile)# location-name Type: Privileged	<location-name>	Sets the location name.
ruckus(config-hotspot-profile)# logo Type: Privileged	<ftp-url>	Sets the operator logo.

Table 78. Commands related to ruckus(config-hotspot-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hotspot-profile)# logon-url Type: Privileged	internal  external <logon-url> <logon-url>: Redirects unauthenticated user to the URL for authentication	Sets the logon model.
ruckus(config-hotspot-profile)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-hotspot-profile)# name Type: Privileged		Renames the hotspot profile.
ruckus(config-hotspot-profile)# no Type: Privileged	show-terms-conditions walled garden <walled-garden-list> - Allows unauthorized destinations. Comma separated IP address, IP address range, CIDR and domain name list.	Disables the commands.
ruckus(config-hotspot-profile)# session-timeout Type: Privileged	<minutes>	Sets the session timeout. Defined in minutes.
ruckus(config-hotspot)# show-terms-conditions Type: Privileged		Shows the terms and conditions.

Table 78. Commands related to ruckus(config-hotspot-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hotspot-profile)# smart-client-support Type: Privileged	none enable only <instructions> only Only smart client allowed with instructions for enabling users to log on using the Smart Client application	Sets the smart client support.
ruckus(config-hotspot-profile)# start-page Type: Privileged	original redirect <start-url> <start-url>: Redirects to the defined URL	Sets the start page.
ruckus(config-hotspot)# terms- conditions Type: Privileged	<terms>	Sets the terms and conditions.
ruckus(config-hotspot)# title Type: Privileged	<title>	Sets the title.
ruckus(config-hotspot-profile)# walled-garden Type: Privileged	<walled-garden-list>	Enables walled garden. Allows unauthorized destinations. Comma-separated IP, IP range, CIDR and regular expression domain name list.

## hs20-sslV3

To enable SSLV3 protocol for Hotspot 2.0, use the following command.

**ruckus(config)# hs20-sslV3**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# hs20-sslv3
```

## identity-provider

To create or update identity provider configuration, use the following command.

```
ruckus(config)# identity-provider <name>
```

**Syntax Description**

This command uses the following syntax:

name: Name of the identity provider

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# identity-provider idwlan  
ruckus(config-identity-provider)#
```

### Related Commands

- [Table 79](#) lists the related identity-provider configuration commands.
- [Table 80](#) lists the related identity-provider-acct-profile configuration commands.
- [Table 81](#) lists the related identity-provider-acct-profile-realm configuration commands.
- [Table 82](#) lists the related identity-provider-auth-profile configuration commands.
- [Table 83](#) lists the related identity-provider-auth-profile-realm configuration commands.
- [Table 84](#) lists the related identity-provider-osu-enable configuration commands.
- [Table 85](#) lists the related identity-provider-realms configuration commands.
- [Table 86](#) lists the related identity-provider-realms-eaps configuration commands.
- [Table 87](#) lists the related identity-provider-realms-eaps-auth configuration commands.

[Table 79](#) lists the related identity-provider configuration commands.

Table 79. Commands related to ruckus(config-identity-provider)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider)# acct-enable Type: Privileged		Enables accounting.
ruckus(config-identity-provider)# acct-profile Type: Privileged		Sets the accounting profile.
ruckus(config-identity-provider)# auth-profile Type: Privileged		Sets the authentication profile.
ruckus(config-identity-provider)# description Type: Privileged	<text>	Sets the description.
ruckus(config-identity-provider)# do Type: Privileged		Executes the do command.

Table 79. Commands related to ruckus(config-identity-provider)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider)# home-ois Type: Privileged	<name> 5-hex <id1> <id2> <id3> <id4> <hex-value>  <name> 3-hex <id1> <id2> <id3>	Sets the Home OIs.
ruckus(config-identity-provider)# name Type: Privileged	<name>	Sets the identity provider name.
ruckus(config-identity-provider)# no Type: Privileged	acct-enable home-ois osu-enable plmns realm	Disables the commands.
ruckus(config-identity-provider)# osu-enable Type: Privileged		Enables the online signup and provisioning.
ruckus(config-identity-provider)# plmns Type: Privileged	<mcc> <mnc>	Sets the PLMNs.
ruckus(config-identity-provider)# realms Type: Privileged	<name>	Sets the realms

Table 80 lists the related identity-provider-acct-profile configuration commands.

Table 80. Commands related to ruckus(config-identity-provider-acct-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-acct-profile)# default Type: Privileged	no-match-realm acct <name>  no-realm acct <name>	Sets the default service.
ruckus(config-identity-provider-acct-profile)# description Type: Privileged	<text>	Sets the description
ruckus(config-identity-provider-acct-profile)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-acct-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-acct-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-acct-profile)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-acct-profile)# no Type: Privileged	realm <name>	Disables the realm command.
ruckus(config-identity-provider-acct-profile)# realm Type: Privileged	<realm>	Sets the accounting service realm.



Table 81 lists the related identity-provider-acct-profile-realm configuration commands.

Table 81. Commands related to ruckus(config-identity-provider-acct-profile-realm)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-acct-profile-realm)# acct-service Type: Privileged	RAD_ACCT: RADIUS type na : NA-Disabled <name>: Accounting service name	Sets the accounting service.
ruckus(config-identity-provider-acct-profile-realm)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-acct-profile-realm)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-acct-profile-realm)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-acct-profile-realm)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-acct-profile-realm)# name Type: Privileged	<name>	Sets the realm name.
ruckus(config-identity-provider-acct-profile)# realm Type: Privileged	<realm>	Sets the accounting service realm.

Table 82 lists the related identity-provider-auth-profile configuration commands.

Table 82. Commands related to ruckus(config-identity-provider-auth-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-auth-profile)# aaa-interim-acct-interval Type: Privileged	<seconds>	Sets the accounting interim interval for the hosted AAA server.
ruckus(config-identity-provider-auth-profile)# aaa-session-idle-timeout Type: Privileged	<seconds>	Sets the idle session timeout for the hosted AAA server.
ruckus(config-identity-provider-auth-profile)# aaa-session-timeout Type: Privileged	<seconds>	Sets the session timeout for the hosted AAA server.
ruckus(config-identity-provider-auth-profile)# aaa-support Type: Privileged		Enables the hosted AAA server support.
ruckus(config-identity-provider-auth-profile)# default Type: Privileged	no-match-realm acct <name> - Set to either RADIUS, local-database, na (request rejected) or radius. Set the authentication service name.  no-realm acct <name> Sets the default authentication service.	Sets the default service.
ruckus(config-identity-provider-auth-profile)# description Type: Privileged	<text>	Sets the description
ruckus(config-identity-provider-auth-profile)# do Type: Privileged		Executes the do command.

Table 82. Commands related to ruckus(config-identity-provider-auth-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-auth-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-auth-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-auth-profile)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-auth-profile)# gpp-support Type: Privileged		Sets the PLMN identifier.
ruckus(config-identity-provider-auth-profile)# no Type: Privileged	aaa-support gpp-support realm	Disables the commands.
ruckus(config-identity-provider-auth-profile)# realm Type: Privileged	<realm>	Sets the authentication service realm.
ruckus(config-identity-provider-auth-profile)# sgsn-mcc Type: Privileged	<mcc>	Sets the mobile country code.
ruckus(config-identity-provider-auth-profile)# sgsn-mnc Type: Privileged	<mnc>	Sets the mobile network code.

Table 83 lists the related identity-provider-auth-profile-realm configuration commands.

Table 83. Commands related to ruckus(config-identity-provider-auth-profile-realm)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-auth-profile-realm)# auth-method Type: Privileged		Sets the authorization method.
ruckus(config-identity-provider-auth-profile-realm)# auth-service Type: Privileged	RAD_AUTH: Sets the RADIUS type local-database: Sets the service to local database na: Sets it to request rejected <name>: Sets the authentication Service name	Sets the authentication service.
ruckus(config-identity-provider-auth-profile-realm)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-auth-profile-realm)# dynamic-vlan Type: Privileged	<vlan-id>	Sets the dynamic VLAN ID.
ruckus(config-identity-provider-auth-profile-realm)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-auth-profile-realm)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-auth-profile-realm)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-auth-profile-realm)# name Type: Privileged	<name>	Sets the authentication service name.

Table 84 lists the related identity-provider-osu-enable configuration commands.

Table 84. Commands related to ruckus(config-identity-provider-osu-enable)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-osu-enable)# common-icon Type: Privileged	<ftp-url>	Sets the common language icon.
ruckus(config-identity-provider-osu-enable)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-osu-enable)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-osu-enable)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-osu-enable)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-osu-enable)# no Type: Privileged	osu-auth-services service-descr whitelisted-domains	Disables the commands

Table 84. Commands related to ruckus(config-identity-provider-osu-enable)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-osu-enable)# osu-auth-services Type: Privileged	<p>&lt;service-name&gt; local &lt;realm&gt;</p> <p>&lt;service-name&gt;: Authentication services name</p> <p>local: Local database &lt;realm&gt;: Realm server</p> <p>&lt;service-name&gt; remote &lt;realm&gt;</p> <p>remote: Supports only RADIUS service</p> <p>&lt;service-name&gt; local &lt;realm&gt; never</p> <p>&lt;service-name&gt; local &lt;realm&gt; hour &lt;expiration-value&gt; - Local credential expiration, between 1 and 175200</p> <p>&lt;service-name&gt; local &lt;realm&gt; day &lt;expiration-value&gt; - Local credential expiration, between 1 and 7300</p> <p>&lt;service-name&gt; local &lt;realm&gt; week &lt;expiration-value&gt; - Local credential expiration, between 1 and 1040</p>	<p>Sets the OSU authentication services.</p> <p>.....continued.</p>

Table 84. Commands related to ruckus(config-identity-provider-osu-enable)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-osu-enable)# osu-auth-services Type: Privileged	<service-name> local <realm> month <expiration-value> - Local credential expiration - between 1 and 240	Sets the OSU authentication services.
ruckus(config-identity-provider-osu-enable)# osu-cert Type: Privileged	#{cert}	Sets the OSU certificates.
ruckus(config-identity-provider-osu-enable)# osu-nai-realm Type: Privileged		Sets the OSU NAI realm.
ruckus(config-identity-provider-osu-enable)# osu-portal Type: Privileged	internal <osu-portal-profile> external <portal-url>	Sets the OSU portal.
ruckus(config-identity-provider-osu-enable)# provisioning-format Type: Privileged	r2-r1-zeroit r2-r1-zeroit: Hotspot 2.0 R2, Hotspot 2.0 R1 (Apple and Samsung) r2-zeroit - Hotspot 2.0 R2 only	Sets the provisioning format.
ruckus(config-identity-provider-osu-enable)# provisioning-protocol Type: Privileged	all oma-dm soap-xml	Sets the provisioning protocol.
ruckus(config-identity-provider-osu-enable)# provisioning-service Type: Privileged	internal external <service-url>	Sets the provisioning service.
ruckus(config-identity-provider-osu-enable)# provisioning-service-url Type: Privileged	<url>	Sets the provisioning service URL.

Table 84. Commands related to ruckus(config-identity-provider-osu-enable)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-osu-enable)# provisioning-update-at Type: Privileged	home-only home-roaming any	Sets the provisioning update.
ruckus(config-identity-provider-osu-enable)# service-descr Type: Privileged	<language> <name> <icon-ftp-url>  <language> <name> <description> <icon-ftp-url>	Sets the subscription description
ruckus(config-identity-provider-osu-enable)# whitelisted-domains Type: Privileged	<domain-name>	Sets the white listed domains.

Table 85 lists the related identity-provider-realms configuration commands.

Table 85. Commands related to ruckus(config-identity-provider-realms)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-realms)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-realms)# eaps Type: Privileged	[ #4   #2   #3   #1 ] #4: EAP method ID #2: EAP method ID #3: EAP method ID #1: EAP method ID	Creates or updates the EAP configuration.
ruckus(config-identity-provider-realms)# encoding Type: Privileged	[ rfc-4282   utf-8 ]	Sets the encoding type.
ruckus(config-identity-provider-realms)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.



Table 85. Commands related to ruckus(config-identity-provider-realms)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-realms)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-identity-provider-realms)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-realms)# name Type: Privileged	<name>	Sets the realm name.
ruckus(config-identity-provider-realms)# no Type: Privileged	eaps	Disables the command.

[Table 86](#) lists the related identity-provider-realms-eaps configuration commands.

Table 86. Commands related to ruckus(config-identity-provider-realms-eaps)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-realms-eaps)# auth Type: Privileged	[ 4   1   2   3 ] 4: Authentication index 1: Authentication index 2: Authentication index 3: Authentication index	Creates or updates the authentication information based on the index.
ruckus(config-identity-provider-realms-eaps)# do Type: Privileged		Executes the do command.
ruckus(config-identity-provider-realms-eaps)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-identity-provider-realms-eaps)# exit Type: Privileged		Exits from the EXEC.

Table 86. Commands related to ruckus(config-identity-provider-realms-eaps)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-realms-eaps)# help Type: Privileged		Displays the help.
ruckus(config-identity-provider-realms-eaps)# method Type: Privileged	[ eap-aka-23   eap-tls   eap-mschap-v2   na   eap-aka-50   md5   eap-ttls   reserved   eap-sim   eap-cisco   peap ]  eap-aka-23: EAP-AKA eap-tls: EAP-Transport Layer Security (EAP-TLS) eap-mschap-v2: EAP-MSCHAP-V2 na: N/A eap-aka-50: EAP-AKA md5: MD5-Challenge eap-ttls: EAP-Tunneled Transport Layer Security (EAP-TTLS) reserved: Reserved for the Expanded Type eap-sim: EAP for GSM Subscriber Identity Module (EAP-SIM) eap-cisco: EAP-Cisco peap: Protected Extensible Authentication Protocol (PEAP)	Sets the EAP method.
ruckus(config-identity-provider-realms-eaps)# no Type: Privileged	auth	Disables the command.

Table 87 lists the related identity-provider-realms-eaps-auth configuration commands.

Table 87. Commands related to ruckus(config-identity-provider-realms-eaps-auth)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-realms-eaps-auth)# info Type: Privileged	tunneled   credential   non-eap-inner   expand-inner-eap   inner-auth-eap   expand-eap ] tunneled: Tunneled EAP method credential type credential: Credential type non-eap-inner: Non EAP inner authentication type expand-inner-eap: Expanded inner EAP method inner-auth-eap: Inner authentication EAP method type expand-eap: Expanded EAP method	Sets the authentication parameter type.
ruckus(config-identity-provider-realms-eaps-auth)# type Type: Privileged	<type>	Sets the authentication type.
ruckus(config-identity-provider-realms-eaps-auth)# vendor-id Type: Privileged	<vendor-id>	Sets the vendor ID.
ruckus(config-identity-provider-realms-eaps-auth)# vendor-type Type: Privileged	<vendor-type>	Sets the vendor type.

# interface

To setup the interface configuration, use the following command.

```
ruckus(config)# interface <cluster>
ruckus(config)# interface <control>
ruckus(config)# interface <management>
ruckus(config)# interface <user-defined <name>>
```

## Syntax Description

This command has no arguments or keywords.

## Default

cluster <name>

cluster: Sets the cluster interface

<name>: Name of the cluster

control: Sets the interface control configuration

management: Sets the management interface configuration

control-cluster-management - Sets the control / cluster management interface

mgmt-and-ap-control - Sets the management and AP control

ap-tunnel-data: Sets the AP tunnel data

mgmt-or-ap-tunnel: Sets the management/AP tunnel traffic

user-defined <name>

user-defined: Sets the user defined interface configuration

name: User defined interface name.

## Command Mode

Config

## Example

```
ruckus(config)# interface cluster
ruckus(config)# interface control
ruckus(config)# interface management
ruckus(config)# interface user-defined UD1
```

### Related Commands

- [Table 88](#) lists the related interface configuration commands.
- [Table 88](#) lists the related interface-user-defined configuration commands.

[Table 88](#) lists the related interface configuration commands.

Table 88. Commands related to ruckus(config-interface)

Syntax and Type	Parameters (if any)	Description
ruckus(config-interface)# data-plane Type: Privileged	<name> forward-stp <name>: Dataplane name forward-stp: Disables the STP package bridge	Updates the dataplane configuration
ruckus(config-interface)# do Type: Privileged		Executes the do command.
ruckus(config-interface)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-interface)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-interface)# help Type: Privileged		Displays the help.
ruckus(config-interface)# interface Type: Privileged	<control>	Sets the physical interface such as control interface.
ruckus(config-interface)# name Type: Privileged		Renames the user-define interface.

Table 88. Commands related to ruckus(config-interface)

Syntax and Type	Parameters (if any)	Description
ruckus(config-interface)# ip Type: Privileged	address dhcp address: Sets IP address of interface dhcp: IP address negotiated by DHCP ipv6-address auto ipv6-address: Sets the IPv6 address with prefix lengths of interface auto: IPv6 address negotiated by auto address <ip> <mask> <gateway> address: Sets IP address of interface <ip>: Static IP address <mask>: IP Subnet mask <gateway>: Gateway ipv6-address <ip> <gateway> ipv6-address: Sets IPv6 address of interface <ip>: Static IPv6 address <gateway>: Gateway	Sets the IP address.
ruckus(config-interface)# no data-plane Type: Privileged	<name>	Disables the data-plane
ruckus(config-interface)# service Type: Privileged	<hotspot>	Sets the services such as hotspot.
ruckus(config-interface)# vlan Type: Privileged	<vlan-id>	Sets the VLAN ID for the interface.

Table 88 lists the related interface-user-defined configuration commands.

Table 89. Commands related to ruckus(config-interface-user-defined)

Syntax and Type	Parameters (if any)	Description
ruckus(config-interface)# do Type: Privileged		Executes the do command.
ruckus(config-interface)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-interface)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-interface)# help Type: Privileged		Displays the help.
ruckus(config-interface)# interface Type: Privileged	[ control   management ]	Sets the physical interface such as control and management interface. Executed in conjunction with user defined sub command.
ruckus(config-interface)# name Type: Privileged		Renames the user-define interface.
ruckus(config-interface)# ip Type: Privileged	<address>	Sets the IP address for the user defined interface.
ruckus(config-interface)# service Type: Privileged	<any> <hotspot>	Sets the service.
ruckus(config-interface)# vlan Type: Privileged	<vlan-id>	Sets the VLAN ID for the interface.

## ip control-nat

To set the control NAT IP configuration, use the following command.

```
ruckus(config)# ip control-nat
```

### Syntax Description

This command uses the following syntax:

<ip>: The Control NAT IP

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip control-nat
```

## ip default-gateway

To setup the default gateway configuration, use the following command.

```
ruckus(config)# ip default-gateway cluster  
ruckus(config)# ip default-gateway control  
ruckus(config)# ip default-gateway management
```

### Syntax Description

This command uses the following syntax:

cluster: Cluster interface

control: Control interface

management: Management interface

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip default-gateway control
```



## ip default-gateway-ipv6

To setup the default gateway configuration for IPv6, use the following command.

```
ruckus(config)# ip default-gateway-ipv6
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip default-gateway-ipv6
cluster          Cluster interface
control          Control interface
management       Management interface
ruckus(config)# ip default-gateway-ipv6 cluster
This command will reload all SCG services. Do you want to continue
(or input 'no ' to cancel)? [yes/no]
```

## ip internal-subnet

To setup the IP address internal subnet, use the following command.

```
ruckus(config)# ip internal-subnet <prefix>
```

### Syntax Description

This command uses the following syntax:

<prefix>: Subnet prefix

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip internal-subnet prefix
This command will reboot internal interface, data planes and SMF
service. Do you want to continue?
```

## ip name-server

To setup the name server configuration, use the following command.

```
ruckus(config)# ip name-server <ip> <ip>
```

### Syntax Description

This command uses the following syntax:

ip: Primary DNS server

ip: Secondary DNS server

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip name-server ip 172.19.13.56
```

## ip name-server-ipv6

To setup the IPv6 server configuration, use the following command.

```
ruckus(config)# ip name-server <ipv6-address> <ipv6-address>
```

### Syntax Description

This command uses the following syntax:

ipv6-address: Primary DNS server

ipv6-address: Secondary DNS server

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip name-server-ipv6 172.19.13.56  
Successful operation
```

## ip route

To setup the static rule configuration, use the following command.

```
ruckus(config)# ip route <ip> <mask> <ip> <interface> <metric>
```

### Syntax Description

This command uses the following syntax:

```
<ip> <mask> <ip> <interface> <metric>  
  <ip>: Destination network IP address  
  <mask>: Destination network mask  
  <ip>: Next hop IP address  
  <interface>: Interface  
  <metric>: Distance metric for this route
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip route ip 193.12.30.10 255.255.255 10.9.0.254  
management
```

## ip route-ipv6

To setup the IPv6 static rule configuration, use the following command.

```
ruckus(config)# ip route <ip> <ip> <interface> <metric>
```

### Syntax Description

This command uses the following syntax:

```
<ip> <ip> <interface> <metric>  
  <ip>: Destination network IPv6 address with prefix length  
  <ip>: Next hop IPv6 address
```

<interface>: Interface

<metric>: Distance metric for this route

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip route ipv6 193.12.30.10 193.12.30.20
```

## ip separate-access-core

To enable access and core gateway, use the following command.

```
ruckus(config)# ip separate-access-core <enable>
```

### Syntax Description

This command uses the following syntax:

enable: To enable access and core gateway

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip separate-access-core enable
```

## ip-support

To update IP version support, use the following command.

```
ruckus(config)# ip-support <ipv4-ipv6> <ipv4-only>
```

### Syntax Description

This command uses the following syntax:

ipv4-ipv6: To support both IPv4 and IPv6 versions

ipv4-only: To support IPv4 version only

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ip-support ipv4-ipv6
```

## ipsec-profile

To update IPsec profile configuration, use the following command.

**ruckus(config)# ipsec-profile <name>****Syntax Description**

This command uses the following syntax:

<name>: IPsec profile name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# ipsec-profile xyz
```

**Related Commands**

[Table 90](#) lists the related ipsec-profile configuration commands

Table 90. Commands related to ruckus(config-ipsec-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# auth-type Type: Privileged		Sets the authentication type
ruckus(config-ipsec-profile)# caraserver Type: Privileged		Sets Certificate Management Protocol CA/RA address.
ruckus(config-ipsec-profile)# caraserver-path Type: Privileged		Sets Certificate Management Protocol Server path.
ruckus(config-ipsec-profile)# carasubject-name Type: Privileged		Sets the Certificate Management Protocol subject name of CA/RA
ruckus(config-ipsec-profile)# cmp-dhcp-opt43-subcode Type: Privileged		Sets the Certificate Management Protocol DHCP option 43 sub code for the CA/RA address

Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# cmp-subject-name-dhcp-opt43-subcode Type: Privileged		Sets the Certificate Management Protocol DHCP option 43 sub code for subject name of CA/RA
ruckus(config-ipsec-profile)# description Type: Privileged		Sets the description.
ruckus(config-ipsec-profile)# dhcp-opt43-subcode Type: Privileged		Sets the DHCP option 43 sub code for Security Gateway.
ruckus(config-ipsec-profile)# do Type: Privileged		Executes the do command.
ruckus(config-ipsec-profile)# dpd-delay Type: Privileged		Sets the Dead Peer Detection.
ruckus(config-ipsec-profile)# end Type: Privileged		End the current configuration session and return to privileged EXEC mode

Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# esp-proposal Type: Privileged	[ 3des   aes256   aes192   aes128   none ] [ md5   sha512   sha384   sha1   sha256   aesxcbc ] [ modp8192   modp6144   modp1024   none   modp3072   modp2048   modp1536   modp768   modp4096 ]  <ul style="list-style-type: none"> <li>• 3des: 3DES</li> <li>• aes256: AES256</li> <li>• aes192: AES192</li> <li>• aes128: AES128</li> <li>• md5: MD5</li> <li>• sha512: SHA512</li> <li>• sha384: SHA384</li> <li>• sha1: SHA1</li> <li>• sha256: SHA256</li> <li>• aesxcbc: AES-XCBC</li> <li>• modp8192:MODP8192</li> <li>• modp6144:MODP6144</li> <li>• modp1024:MODP1024</li> <li>• none: None</li> <li>• modp3072:MODP3072</li> <li>• modp2048:MODP2048</li> <li>• modp1536:MODP1536</li> <li>• modp768: MODP768</li> <li>• modp4096:MODP4096</li> </ul>	Add ESP proposal
ruckus(config-ipsec-profile)# esp-rekeytime Type: Privileged		Sets the ESP Rekey time.



Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# esp-type Type: Privileged		Set ESP Proposal Type
ruckus(config-ipsec-profile)# exit Type: Privileged		Exits from the EXEC mode.
ruckus(config-ipsec-profile)# failover-check-interval Type: Privileged		Sets the Fail Over Check Interval
ruckus(config-ipsec-profile)# failover-retry-interval Type: Privileged		Sets the Fail Over Retry Interval
ruckus(config-ipsec-profile)# failover-retry-mode Type: Privileged		Sets the Fail Over Retry mode.
ruckus(config-ipsec-profile)# failover-retry-period Type: Privileged		Sets the Fail Over Retry period.
ruckus(config-ipsec-profile)# help Type: Privileged		Displays the help.

Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# ike-proposal Type: Privileged	<pre>[ 3des   aes256   aes192   aes128 ] [ sha1   md5   aesxcbc   sha512   sha384   sha256 ] [ prfsha1   prfmd5   prfsha256   prfaescmac   prfaesxcbc   prfsha384   prfsha512   use-integrity- alg ] [ modp1024   modp8192   modp6144   modp768   modp4096   modp3072   modp1536   modp2048 ]</pre> <ul style="list-style-type: none"> <li>• 3des: 3DES</li> <li>• aes256: AES256</li> <li>• aes192: AES192</li> <li>• aes128: AES128</li> <li>• sha1: SHA1</li> <li>• md5: MD5</li> <li>• aesxcbc: AES-XCBC</li> <li>• sha512: SHA512</li> <li>• sha384: SHA384</li> <li>• sha256: SHA256</li> <li>• prfsha1: PRF-SHA1</li> <li>• prfmd5: PRF-MD5</li> <li>• prfsha256: PRF-SHA256</li> <li>• prfaescmac: PRF-AES-CMAC</li> <li>• prfaesxcbc: PRF-AES-XCBC</li> <li>• prfsha384: PRF-SHA384</li> <li>• prfsha512: PRF-SHA512 contd...</li> </ul>	Adds IKE proposal

Syntax and Type	Parameters (if any)	Description
	<ul style="list-style-type: none"> <li>• use-integrity-alg: Use integrity ALG</li> <li>• modp1024: MODP1024</li> <li>• modp8192: MODP8192</li> <li>• modp6144: MODP6144</li> <li>• modp768: MODP768</li> </ul>	
ruckus(config-ipsec-profile)# ike-rekeytime Type: Privileged		Sets the IKE Rekey time.
ruckus(config-ipsec-profile)# ike-type Type: Privileged		Sets the IKE Proposal type.
ruckus(config-ipsec-profile)# ip-compression Type: Privileged		Enables IP compression.
ruckus(config-ipsec-profile)# ipmode Type: Privileged		Sets the IP mode.
ruckus(config-ipsec-profile)# keep-alive-interval Type: Privileged		Sets the NAT-T Keep Alive interval.
ruckus(config-ipsec-profile)# name Type: Privileged		Sets the IPsec profile name.
ruckus(config-ipsec-profile)# nat-traversal Type: Privileged		Enables force NAT-T.

Syntax and Type	Parameters (if any)	Description
ruckus(config-ipsec-profile)# no Type: Privileged	cara-server cara-server-path cara-subject-name dpd-delay esp-proposal esp-rekeytime ike-proposal ike-rekeytime ip-compression keep-alive-interval nat-traversal replay-window retry-limit security-gateway	Disables and deletes commands.
ruckus(config-ipsec-profile)# replay-window Type: Privileged	<packet>: Replay window packets (1 - 32)	Sets the Replay window.
ruckus(config-ipsec-profile)# retry-limit Type: Privileged	<value>: Retry limit time (1 - 16)	Sets the Retry limit.
ruckus(config-ipsec-profile)# security-gateway Type: Privileged	<address>: Security gateway	Sets the Security gateway.

## I2ogre-profile

To create or update the L2oGRE profile configuration, use the following command.

**ruckus(config)# l2ogre-profile <name>**

### Syntax Description

This command uses the following syntax:

name: L2oGRE profile name

### Default

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# l2ogre-profile l2g1
```

**Related Commands**

[Table 91](#) lists the related l2ogre-profile configuration commands

Table 91. Commands related to ruckus(config-l2ogre-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-l2ogre-profile)# description Type: Privileged	<text>	Sets the description. Length is between 1 and 128,
ruckus(config-l2ogre-profile)# dhcp-option82 Type: Privileged		Enables DHCP Option 82.
ruckus(config-l2ogre-profile)# dhcp-relay Type: Privileged		Enables DHCP relay.
ruckus(config-l2ogre-profile)# dhcp-server1 Type: Privileged	<ip>	Sets the DHCP server 1.
ruckus(config-l2ogre-profile)# dhcp-server2 Type: Privileged	<ip>	Sets the DHCP server 2.
ruckus(config-l2ogre-profile)# do Type: Privileged		Executes the do command.
ruckus(config-l2ogre-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-l2ogre-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-l2ogre-profile)# help Type: Privileged		Displays the help.

Table 91. Commands related to ruckus(config-l2ogre-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-l2ogre-profile)# icmp-keep-alive-period Type: Privileged	<seconds>	Sets the ICMP keepalive period.
ruckus(config-l2ogre-profile)# icmp-keep-alive-retry Type: Privileged	<number>	Sets the number of retries for ICMP keepalive.
ruckus(config-l2ogre-profile)# name Type: Privileged	<name>	Sets the L2oGRE profile name. no
ruckus(config-l2ogre-profile)# no Type: Privileged	dhcp-option82 dhcp-relay dhcp-server2 relay-both secondary-gateway	Disables L2oGRE settings.
ruckus(config-l2ogre-profile)# primary-gateway Type: Privileged	<ip>	Sets the primary gateway IP address.
ruckus(config-l2ogre-profile)# relay-both Type: Privileged		Enables sending the DHCP requests to both the servers simultaneously.
ruckus(config-l2ogre-profile)# secondary-gateway Type: Privileged	<ip>	Sets the secondary gateway IP address.
ruckus(config-l2ogre-profile)# tunnel-mtu Type: Privileged	auto - Auto MTU size <bytes> - Manual MTU size	Sets the tunnel MTU options.

Table 92 lists the related l2ogre-profile-dhcp-option82 configuration commands.

Table 92. Commands related to ruckus(config-l2ogre-profile-dhcp-option82) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-l2ogre-profile-dhcp-option82)# do Type: Privileged		Executes the do command.
ruckus(config-l2ogre-profile-dhcp-option82)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-l2ogre-profile-dhcp-option82)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-l2ogre-profile-dhcp-option82)# help Type: Privileged		Displays the help.
ruckus(config-l2ogre-profile-dhcp-option82)# no Type: Privileged	subopt1 subopt150 subopt151 subopt2	Disables various options
ruckus(config-l2ogre-profile-dhcp-option82)# subopt1 Type: Privileged	[ ap-info   ap-ssid   ap-mac ]	Enables subopt-1
ruckus(config-l2ogre-profile-dhcp-option82)# subopt150 Type: Privileged		Enables subopt-150
ruckus(config-l2ogre-profile-dhcp-option82)# subopt151 Type: Privileged	ssid area-name <name>	Enables subopt-151
ruckus(config-l2ogre-profile-dhcp-option82)# subopt2 Type: Privileged	[ ap-ssid   ue-ssid   ue-mac   ap-mac ]	Enables subopt-2

# l3ogre-profile

To create or update the L3oGRE profile configuration, use the following command.

**ruckus(config)# l3ogre-profile <name>**

## Syntax Description

This command uses the following syntax:

name: L3oGRE profile name

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# l3ogre-profile l3g1
```

## Related Commands

- [Table 93](#) lists the related l3ogre-profile configuration command
- [Table 94](#) lists the related l3ogre-profile-dhcp-option82 configuration commands.

[Table 93](#) lists the related l3ogre-profile configuration command.

Table 93. Commands related to ruckus(config-l3ogre-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-l3ogre-profile)# core-network-gateway Type: Privileged	<ip>	Set the core network gateway IP address.
ruckus(config-l3ogre-profile)# description Type: Privileged	<text>	Sets the description. Length is between 1 and 128,
ruckus(config-l3ogre-profile)# dhcp-option82 Type: Privileged		Enables the DHCP Option 82.
ruckus(config-l3ogre-profile)# dhcp-relay Type: Privileged	<name>	Sets the DHCP relay service.



Table 93. Commands related to ruckus(config-l3ogre-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-l3ogre-profile)# dhcp-relay-tunnel Type: Privileged		Enables DHCP relay through tunnel.
ruckus(config-l3ogre-profile)# dhcp-server1 Type: Privileged	<ip>	Sets the DHCP server 1.
ruckus(config-l3ogre-profile)# dhcp-server2 Type: Privileged	<ip>	Sets the DHCP server 2.
ruckus(config-l3ogre-profile)# do Type: Privileged		Executes the do command.
ruckus(config-l3ogre-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-l3ogre-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-l3ogre-profile)# help Type: Privileged		Displays the help.
ruckus(config-l3ogre-profile)# keep-alive-period Type: Privileged	<seconds>	Sets the tunnel keep alive period.
ruckus(config-l3ogre-profile)# keep-alive-retry Type: Privileged	<number>	Sets the tunnel keep alive retries.
ruckus(config-l3ogre-profile)# name Type: Privileged	<text>	Sets the L3oGRE profile name.

Table 93. Commands related to ruckus(config-l3ogre-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-l3ogre-profile)# no Type: Privileged	dhcp-option82 dhcp-relay dhcp-server2 dhcp-relay-tunnel relay-both tunnel-keep-alive	Disables L3oGRE settings.
ruckus(config-l2ogre-profile)# relay-both Type: Privileged		Enables sending the DHCP requests to both the servers simultaneously.
ruckus(config-l3ogre-profile)# tunnel-interface Type: Privileged	data-plane <name> <ip> <mask>	Sets the gateway tunnel.
ruckus(config-l3ogre-profile)# tunnel-keep-alive Type: Privileged		Enables tunnel keep alive.
ruckus(config-l3ogre-profile)# tunnel-mtu Type: Privileged	auto - Auto MTU size <bytes> - Manual MTU size	Sets the tunnel MTU options.

Table 94 lists the related l3ogre-profile-dhcp-option82 configuration commands.

Table 94. Commands related to ruckus(config-l3ogre-profile-dhcp-option82) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-l3ogre-profile-dhcp- option82)# do Type: Privileged		Executes the do command.
ruckus(config-l3ogre-profile-dhcp- option82)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-l3ogre-profile-dhcp- option82)# exit Type: Privileged		Exits from the EXEC.

Table 94. Commands related to ruckus(config-l3ogre-profile-dhcp-option82) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-l3ogre-profile-dhcp-option82)# help Type: Privileged		Displays the help.
ruckus(config-l3ogre-profile-dhcp-option82)# no Type: Privileged	subopt1 subopt150 subopt151 subopt2	Disables various options
ruckus(config-l3ogre-profile-dhcp-option82)# subopt1 Type: Privileged	[ ap-info   ap-ssid   ap-mac ]	Enables subopt-1
ruckus(config-l3ogre-profile-dhcp-option82)# subopt150 Type: Privileged		Enables subopt-150
ruckus(config-l3ogre-profile-dhcp-option82)# subopt151 Type: Privileged	ssid area-name <name>	Enables subopt-151
ruckus(config-l3ogre-profile-dhcp-option82)# subopt2 Type: Privileged	[ ap-ssid   ue-ssid   ue-mac   ap-mac ]	Enables subopt-2

## lbs-service

To create and update the Location Based Service (LBS) configuration, use the following command.

**ruckus(config)# lbs-service**

### Syntax Description

This command uses the following syntax:

name: LBS venue name

### Default

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# lbs-service name
ruckus(config-lbs-service)#
```

**Related Commands**

[Table 95](#) lists the related lbs-service configuration command.

Table 95. Commands related to ruckus(config-lbs-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-lbs-service)# do Type: Privileged		Sets the do command.
ruckus(config-lbs-service)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-lbs-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-lbs-service)# help Type: Privileged		Displays the help message.
ruckus(config-lbs-service)# host Type: Privileged	<IP address> <domain name>	Sets the server address.
ruckus(config-lbs-service)# password Type: Privileged	<password>	Sets the password.
ruckus(config-lbs-service)# port Type: Privileged	<port>	Sets the port number.
ruckus(config-lbs-service)# venue Type: Privileged	<venue>	Sets the LBS venue.

**ldap-service**

To create and update the LDAP service configuration, use the following command.

```
ruckus(config)# ldap-service <name>
```

**Syntax Description**

This command uses the following syntax:

name: LDAP service name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# ldap-service
```

```
ruckus(config-ldap-service)#
```

**Related Commands**

[Table 96](#) lists the related ldap-service configuration command

Table 96. Commands related to ruckus(config-ldap-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ldap-service)# admin-domain-name Type: Privileged	<domain-name> LDAP admin domain name. To query multiple organizational units, enter an admin domain name and password with full search and read privileges. For example: uid=admin,dc=ldap,dc=c om	Sets the LDAP administrator domain name.
ruckus(config-ldap-service)# admin-password Type: Privileged	<password> - LDAP server admin password. For example: uid.	Sets the LDAP administrator password.
ruckus(config-ldap-service)# base- domain-name Type: Privileged	<domain-name> LDAP base domain name. For example: dc=ldap,dc=com	Sets the LDAP base domain name.

Table 96. Commands related to ruckus(config-ldap-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ldap-service)# description Type: Privileged	<text>	Sets the description.
ruckus(config-ldap-service)# do Type: Privileged		Sets the do command.
ruckus(config-ldap-service)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-ldap-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ldap-service)# friendly-name Type: Privileged	<friendly-name>	Sets the LDAP service name as seen by the user.
ruckus(config-ldap-service)# group-attrs Type: Privileged	<attr-value> <user-role> <attr-value>: Group attribute value <user-role>: User role	Sets the user traffic profile mapping.
ruckus(config-ldap-service)# help Type: Privileged		Displays the help message.
ruckus(config-ldap-service)# ip-address Type: Privileged	<ip>	Sets the IP address for LDAP server.
ruckus(config-ldap-service)# key-attr Type: Privileged	<attr-value> For example: uid	Sets the key attribute for LDAP server.
ruckus(config-ldap-service)# no Type: Privileged	group-attrs	Disables the command.
ruckus(config-ldap-service)# port Type: Privileged	<port>	Sets the port number for LDAP server.

Table 96. Commands related to ruckus(config-ldap-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ldap-service)# search-filter Type: Privileged	<filter> For example: (objectClass=Person, show more...)	Sets the search filter for LDAP server.
ruckus(config-ldap-service)# test Type: Privileged	<username><password>	Test AAA Server

## license cloud

To enable the Cloud License Server, use the following command.

```
ruckus(config)# license cloud
```

### Syntax Description

This command uses the following syntax:

enable: Enable Cloud License server

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# license cloud
```



## license export

To export licenses, use the following command.

```
ruckus(config)# license export <ftp-url><name>
```

### Syntax Description

This command uses the following syntax:

ftp-url: License file. FTP URL format is, ftp://<username>:<password>@<ip>/<file-path>

name: Set Control Plane

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# license export ftp://mahan:ruckus1!@172.19.7.100
```

## license import

To setup the import licenses, use the following command.

```
ruckus(config)# license import <ftp-url>
```

### Syntax Description

This command uses the following syntax:

ftp-url: License file. FTP URL format is, ftp://<username>:<password>@<ip>/<file-path>

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# license import ftp://mahan:ruckus1!@172.19.7.100
```

# license local

To enable the local license server, use the following command.

```
ruckus(config)# license local <local-server><port>
```

## Syntax Description

This command uses the following syntax:

<local-server>: Set Local License Server IP or Domain name

<port>: Set Local License Server port number

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# license local
```

## license sync-now

To synchronize the license with the server, use the following command.

```
ruckus(config)# license sync-now
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# license sync-now
```

## lineman

To setup the workflow URL or to upload the workflow file, use the following command.

```
ruckus(config)# lineman workflow-file <ftp-url>
```

```
ruckus(config)# lineman workflow-url <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: Define the FTP URL format

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# lineman workflow-file https://172.19.10.4:8443
```

# localdb-service

To create or update the local database service configuration, use the following command.

**ruckus(config)# localdb-service**

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# localdb-service
ruckus(config-localdb-service)#
```

## Related Commands

[Table 97](#) lists the related localdb-service configuration command

Table 97. Commands related to ruckus(config-localdb-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-localdb-service)# description Type: Privileged	<text>	Sets the description.
ruckus(config-localdb-service)# do Type: Privileged		Sets the do command
ruckus(config-localdb-service)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-localdb-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-localdb-service)# friendly-name Type: Privileged	<friendly-name>	Displays the local database server name as seen by the user.

Table 97. Commands related to ruckus(config-localdb-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-localdb-service)# group-attrs Type: Privileged	<attr-value> <user-role> <attr-value>: Group attribute value <user-role>: User role	Sets the user traffic profile mapping.
ruckus(config-localdb-service)# help Type: Privileged		Displays the help message.

## logging console

To enable service logging on the console, use the following command.

**ruckus(config)# logging console cli [ error | info ] cli debug <name>**

### Syntax Description

This command uses the following syntax:

cli: Enable CLI logging on the console

error: Enable CLI logging on the console and change logging level to ERROR

info: Enable CLI logging on the console and change logging level to INFO

debug: Enable CLI logging on the console and change logging level to DEBUG

name: System service name, which enables logging for a system service

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# logging console monitor
07:04:20,946 |-INFO in ch.qos.logback.core.rolling.FixedWindow-
RollingPolicy@167a3a6 - Will use gz compression
07:04:20,951 |-INFO in ch.qos.logback.core.rolling.RollingFileAp-
pender[FILE] - Active log file name: /opt/ruckuswireless/wsg/log/
monitor/monitor.log
07:04:20,952 |-INFO in ch.qos.logback.core.rolling.RollingFileAp-
pender[FILE] - File property is set to [/opt/ruckuswireless/wsg/
log/monitor/monitor.log]
```

```
07:04:20,953 | -INFO in ch.qos.logback.classic.gaffer.ConfigurationDelegate@6ab53f63 - About to instantiate appender of type [ch.qos.logback.classic.net.SyslogAppender]
```

## lwapp2scg

To update the LWAPP to SCG configurations, use the following command.

```
ruckus(config)# lwapp2scg
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# lwapp2scg
```

### Related Commands

[Table 98](#) lists the related lwapp2scg configuration command

Table 98. Commands related to ruckus(config-lwapp2scg).

Syntax and Type	Parameters (if any)	Description
ruckus(config-lwapp2scg)# acl-ap Type: Privileged	mac <ApMac>: Sets the AP MAC address. Use commas to separate the addresses. For example: 1a:2b:3c:4d:5f:60,11:22:33:44:55:66 serial <SerialNumber>: Sets the serial number. Use commas to separate the serial numbers. For example: 123456789012,987654321021	Sets the ACL AP.

Table 98. Commands related to ruckus(config-lwapp2scg).

Syntax and Type	Parameters (if any)	Description
ruckus(config-lwapp2scg)# do Type: Privileged		Sets the do command
ruckus(config-lwapp2scg)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-lwapp2scg)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-lwapp2scg)# help Type: Privileged		Displays the help message.
ruckus(config-lwapp2scg)# no Type: Privileged	acl-ap nat-ip-translation	Disables the commands.
ruckus(config-lwapp2scg)# nat-ip-translation Type: Privileged		NAT IP Translation in FTP Passive mode. This mode is enabled by default and is required if the user's NAT cannot support PASV-mode FTP.
ruckus(config-lwapp2scg)# pasv-port Type: Privileged	<min port> <max port> - Sets the minimum and maximum port.	Sets the minimum and maximum port for the dynamic data transmission port range. For PASV-mode FTP to work, the user has to set up a firewall that restricts the range of ports opened by the FTP server, thereby remaining secure, and enabling the download of AP firmware.

Table 98. Commands related to ruckus(config-lwapp2scg).

Syntax and Type	Parameters (if any)	Description
ruckus(config-lwapp2scg)# policy Type: Privileged	<b>accept</b> Accept by ACL AP list <b>accept-all</b> Accept all <b>deny</b> Deny by ACL AP list <b>deny-all</b> Deny all	Sets the ACL policy. Use the <b>accept</b> option to upgrade individual APs as required by MAC address or serial number. Use the <b>accept-all</b> option to upgrade all APs together. Ensure that there is no existing ZD deployment around in the same sub-net and still in use. All the ZD APs will be affected and upgraded to SCG. Use the <b>deny</b> option to exclude specific APs from being upgraded to SCG by MAC address or serial number. Use the <b>deny-all</b> option to exclude all APs from being upgraded to SCG.



# mgmt-acl

To create or update the management interface access control list configuration, use the following command.

**ruckus(config)# mgmt-acl**

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# mgmt-acl
```

## Related Commands

- [Table 99](#) lists the related mgmt-acl server configuration commands.
- [Table 100](#) lists the related mgmt-acl-rule configuration commands.

[Table 99](#) lists the related mgmt-acl server configuration commands.

Table 99. Commands related to ruckus(config-mgmt-acl).

Syntax and Type	Parameters (if any)	Description
ruckus(config-mgmt-acl)# do Type: Privileged		Executes the do command.
ruckus(config-mgmt-acl)# enable Type: Privileged		Enables the access control of the management interface.
ruckus(config-mgmt-acl)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-mgmt-acl)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-mgmt-acl)# help Type: Privileged		Displays the help.

Table 99. Commands related to ruckus(config-mgmt-acl)).

Syntax and Type	Parameters (if any)	Description
ruckus(config-mgmt-acl)# no Type: Privileged	enable rule	Disables various options.
ruckus(config-mgmt-acl)# rule Type: Privileged	<name>: ACL rule name	Creates or updates the management interface ACL rule configuration.

[Table 100](#) lists the related mgmt-acl-rule configuration commands.

Table 100. Commands related to ruckus(config-mgmt-acl-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-mgmt-acl-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-mgmt-acl-rule)# do Type: Privileged		Executes the do command.
ruckus(config-mgmt-acl-rule)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-mgmt-acl-rule)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-mgmt-acl-rule)# help Type: Privileged		Displays the help.
ruckus(config-mgmt-acl-rule)# name Type: Privileged	<name>	Sets the management interface ACL rule name.

Table 100. Commands related to ruckus(config-mgmt-acl-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-mgmt-acl-rule)# restriction Type: Privileged	range <ip> <ip>: Sets IP range restriction with start and end IP addresses  single <ip>: Sets single IP restriction and IP address  subnet <ip> <mask>: Sets the subnet restriction along with network address and subnet mask	Sets the restriction

## mvno

To create or update the MVNO configuration, use the following command.

**ruckus(config)# mvno <name>**

### Syntax Description

This command uses the following syntax:

name: MVNO name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# mvno mv1
```

### Related Commands

- [Table 101](#) lists the related mvno configuration commands.
- [Table 102](#) lists the related mvno-admin configuration commands.
- [Table 103](#) lists the related mvno admin radius configuration commands.

Table 101 lists the related mvno configuration commands.

Table 101. Commands related to ruckus(config-mvno)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno)# admin Type: Privileged	<name>	Adds an administrator account.
ruckus(config-mvno)# admin-radius Type: Privileged	<name>	Set the RADIUS server for administrators.
ruckus(config-mvno)# capabilities Type: Privileged	<capabilities-depth-1> <capabilities-depth-2> <capabilities-depth-3> <capabilities-depth-4> <capabilities-depth-5> <capabilities-depth-6>	Sets the capabilities.
ruckus(config-mvno)# description Type: Privileged	<text>	Sets the description.
ruckus(config-mvno)# do Type: Privileged		Executes the do command.
ruckus(config-mvno)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-mvno)# exit Type: Privileged		Exits from the EXEC.
ruckus(diagnostic)# help Type: Privileged		Displays the help.

Table 101. Commands related to ruckus(config-mvno)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno)# no Type: Privileged	admin-radius capabilities <capabilities-depth-1> <capabilities-depth-2> <capabilities-depth-3> <capabilities-depth-4> <capabilities-depth-5> <capabilities-depth-6> wlan zone	Disables and deletes configuration commands.
ruckus(config-mvno)# wlan Type: Privileged	<name>	Adds a WLAN and WLAN name.
ruckus(config-mvno)# zone Type: Privileged	<name>	Adds a zone and zone name.

[Table 102](#) lists the related mvno-admin configuration commands.

Table 102. Commands related to ruckus(config-mvno-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno-admin)# do Type: Privileged		Executes the do command.
ruckus(config-mvno-admin)# email Type: Privileged	<email>	Set the user's email details.
ruckus(config-mvno-admin)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-mvno-admin)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-mvno-admin)# help Type: Privileged		Displays the help.

Table 102. Commands related to ruckus(config-mvno-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno-admin)# name Type: Privileged	<name>	Sets the account name.
ruckus(config-mvno-admin)# password Type: Privileged	<password>	Sets the password for user
ruckus(config-mvno-admin)# phone Type: Privileged	<phone>	Sets the phone number of the user
ruckus(config-mvno-admin)# real- name Type: Privileged	<name>	Sets the real name of the user
ruckus(config-mvno-admin)# title Type: Privileged	<text>	Sets the user's job title.

[Table 103](#) lists the related mvno-admin-radius configuration commands.

Table 103. Commands related to ruckus(config-mvno-admin-radius)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno-admin- radius)# backup Type: Privileged	ip <ip> port <port> shared-secret <password> request-timeout <seconds> max-retry <number> retry-priInvl <minutes>	Enables backup RADIUS support and its related settings.
ruckus(config-mvno-admin- radius)# do Type: Privileged		Executes the do command.
ruckus(config-mvno-admin- radius)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.

Table 103. Commands related to ruckus(config-mvno-admin-radius)

Syntax and Type	Parameters (if any)	Description
ruckus(config-mvno-admin-radius)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-mvno-admin-radius)# help Type: Privileged		Displays the help.
ruckus(config-mvno-admin-radius)# ip Type: Privileged	<ip>	Sets the IP addresses of primary RADIUS server
ruckus(config-mvno-admin-radius)# name Type: Privileged	<name>	Sets the RADIUS server name.
ruckus(config-mvno-admin-radius)# no Type: Privileged	backup	Disables or deletes the configuration settings.
ruckus(config-mvno-admin-radius)# port Type: Privileged	<port>	Sets the port number of primary RADIUS server
ruckus(config-mvno-admin-radius)# realm Type: Privileged	<realms>	Sets the realm service. Multiple realms are supported by using a comma (,) separation. For example, home1,home2
ruckus(config-mvno-admin-radius)# service Type: Privileged	<services>	Sets the service. Multiple services are supported by using a comma (,) separation. For example, home1,home2.
ruckus(config-mvno-admin-radius)# shared-secret Type: Privileged	<password>	Sets the shared secret of the primary RADIUS server. The length is between 1 and 255 characters.
ruckus(config-mvno-admin-radius)# type Type: Privileged	[ radius   tacacs ]	Sets the authentication type as either RADIUS or TACAS.

# network-traffic-profile

Sets the network traffic profile configuration, use the following command.

**ruckus(config)# network-traffic-profile <name>**

## Syntax Description

This command uses the following syntax:

name: Name of the network traffic profile

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# network-traffic-profile ntp1
```

## Related Commands

- [Table 104](#) lists the related network profile configuration commands.
- [Table 105](#) lists the related network traffic profile network acl configuration commands.

[Table 104](#) lists the related network-profile configuration commands.

Table 104. Commands related to ruckus(config-network-traffic-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-network-traffic-profile)# default-action Type: Privileged	[ block   allow ]	Sets the default action as either block or allow.
ruckus(config-network-traffic-profile)# description Type: Privileged	<description>	Sets the network traffic profile description.
ruckus(config-network-traffic-profile)# do Type: Privileged		Executes the do command.
ruckus(config-network-traffic-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.



Table 104. Commands related to ruckus(config-network-traffic-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-network-traffic-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-network-traffic-profile)# help Type: Privileged		Displays the help.
ruckus(config-network-traffic-profile)# network-acl Type: Privileged		Sets the network access control configurations.
ruckus(config-network-traffic-profile)# no Type: Privileged	network-acl	Disables or delete network traffic profile settings, such as rate limit.

Table 105 lists the related network-traffic-profile-network-acl configuration commands.

Table 105. Commands related to ruckus(config-network-traffic-profile-network-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-network-traffic-profile-network-acl)# action Type: Privileged	[ allow   block ]	Sets the permission configurations as either allow or block.
ruckus(config-network-traffic-profile-network-acl)# destination-ip Type: Privileged	<ip> subnet-mask <mask>	Sets the destination IP address.
ruckus(config-network-traffic-profile-network-acl)# destination-port Type: Privileged	<value> range <from-port> <to-port>	Sets the destination port configurations.
ruckus(config-network-traffic-profile-network-acl)# direction Type: Privileged	[ upstream   downstream ]	Sets the direction configurations as either up stream or down stream.

Table 105. Commands related to ruckus(config-network-traffic-profile-network-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-network-traffic-profile-network-acl)# do Type: Privileged		Executes the do command.
ruckus(config-network-traffic-profile-network-acl)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-network-traffic-profile-network-acl)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-network-traffic-profile-network-acl)# help Type: Privileged		Displays the help.
ruckus(config-network-traffic-profile-network-acl)# protocol Type: Privileged	[ esp   udp   sctp   icmp   icmpv6   igmp   udplite   ah   tcp ]	Sets the protocol configurations.
ruckus(config-network-traffic-profile-network-acl)# source-ip Type: Privileged	<ip> subnet-mask <mask>	Sets the source IP address.
ruckus(config-network-traffic-profile-network-acl)# source-port Type: Privileged	<value> range <from-port> <to-port>	Sets the source port configurations.

## no 3rd-zone

To delete the 3rd Party AP zone configurations, use the following command.

**ruckus(config)# no 3rd-zone <name>**

### Syntax Description

This command uses the following syntax:

name: 3rd Party AP zone name

### Default

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no 3rd-zone ap3
```

## no acct-profile

To delete accounting service profile configuration, use the following command.

```
ruckus(config)# no acct-profile <name>
```

**Syntax Description**

This command uses the following syntax:

name: Accounting service profile name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no acct-profile acct1
```

## no ad-service

To delete the all active service directories, use the following command.

```
ruckus(config)# no ad-service <name>
```

**Syntax Description**

This command uses the following syntax:

name: Name of the active service directory to be deleted

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ad-service active-orange
```

## no admin

To delete the administrator, use the following command.

```
ruckus(config)# no admin <username>
```

**Syntax Description**

This command uses the following syntax:

username: Name of the administrator to be deleted

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no admin ruckus
```

## no admin-radius

To delete RADIUS servers configurations for administrators, use the following command.

```
ruckus(config)# no admin-radius <name>
```

**Syntax Description**

This command uses the following syntax:

name: AAA server name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no admin-radius adr1
```

## no adv-forwarding-profile

To delete advanced (mixed mode) profile configuration, use the following command.

```
ruckus(config)# no adv-forwarding-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Advanced (mixed mode) name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no adv-forwarding-profile adv1
```

## no ap

To delete the lock or unlock the access point, use the following command.

```
ruckus(config)# no ap <mac> lock
```

### Syntax Description

This command uses the following syntax:

mac: AP MAC address

lock: Unlock AP

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ap 50:A7:33:24:EA:00
```

## no ap auto-tagging

To disable auto tagging of critical access points, use the following command.

```
ruckus(config)# no ap auto-tagging <enable>
```

### Syntax Description

This command uses the following syntax:

enable: Disable the auto tagging for critical access point

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ap auto-tagging enable
```

## no ap-cert-check

To disable the access point certificate check, use the following command.

```
ruckus(config)# no ap-cert-check
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ap-cert-check
```

## no ap-control-mgmt-tos

To disable the access point control management traffic type of service, use the following command.

```
ruckus(config)# no ap-control-mgmt-tos
```

### Syntax Description

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ap-control-mgmt-tos
```

## no ap-root-ca

To disable or delete the access point root ca, use the following command.

```
ruckus(config)# no ap-root-ca
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ap-root-ca
```

## no ap-sci

To disable the access point sci configurations, use the following command.

```
ruckus(config)# no ap-sci <enable>
```

**Syntax Description**

This command uses the following syntax:

enable: Disables the AP SCI.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ap-sci enable
```

## no ap-snmp

To disable SNMP on AP configurations, use the following command.

```
ruckus(config)# no ap-snmp
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ap-snmp
```

## no ap-zone-aggregate

To disable the AP Zone aggregation task, use the following command.

```
ruckus(config)# no ap-zone-aggregate
```

**Syntax Description**

This command has no arguments or key words.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ap-zone-aggregate
```

## no auth-profile

To delete an authentication service configuration, use the following command.



**ruckus(config)# no auth-profile <name>**

### Syntax Description

This command uses the following syntax:

name: Name of the authentication service to be deleted.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no auth-profile ap1
```

## no bonjour-gateway

To disable the Bonjour Gateway, use the following command.

**ruckus(config)# no bonjour-gateway**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no bonjour-gateway
```

## no bonjour-policy

To delete a Bonjour Policy, use the following command.

**ruckus(config)# no bonjour-policy <name>**

### Syntax Description

This command uses the following syntax:

name: Name of the Bonjour Policy to be deleted.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no bonjour-policy abc
```

## no bridge-profile

To delete the bridge profile configuration, use the following command.

```
ruckus(config)# no bridge-profile <name>
```

**Syntax Description**

This command uses the following syntax:

name: Name of the bridge profile to be deleted.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no bridge-profile br1
```

## no cert-store

To delete all OSU (Online SignUp) portal profile configuration, use the following command.

```
ruckus(config)# no cert-store <name>
```

```
ruckus(config)# no csr <name>
```

**Syntax Description**

This command uses the following syntax:

cert <name> - Deletes certificate

csr <name> - Deletes Certificates Signing Request (CSR)

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
S200(config)# no cert-store cert certpool
Do you want to continue to delete (or input 'n
```

## no cgf-service

To delete CGF service configuration, use the following command.

```
ruckus(config)# no cgf-service <name>
```

**Syntax Description**

This command uses the following syntax:

name: CGF service name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no cgf-service cgf1
```

## no cls-sess msisdn

To delete the session served by current node for the received MSISDN, use the following command:

```
ruckus(config)# no cls-sess msisdn <ms-isdn>
```

**Syntax Description**

msisdn <msisdn>: MSISDN and MSISDN value. The length of MSISDN should be between 10 to 15 digits.

**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus(config)# no cls-sess msisdn 123456789012345
```

## no control-plane

To remove the control plane from the cluster configuration, use the following command.

```
ruckus(config)# no control-plane <name>
```

**Syntax Description**

This command uses the following syntax:

name: Control plane name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no control-plane cp1
```

## no data-plane

To disable the STP package bridge of the local dataplane configuration, use the following command.

```
ruckus(config)# no data-plane <name> forward-stp
```

**Syntax Description**

This command uses the following syntax:

name: Dataplane name

forward-stp: Disables the STP package bridge

**Default**

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no data-plane name indus7-d1
```

## no diameter-remote-service

To disable the diameter remote service, use the following command.

```
ruckus(config)# no diameter-remote-service <name>
```

### Syntax Description

This command uses the following syntax:

name: Service name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no diameter-remote-service
```

## no domain

To delete management domains or access point zones in a specific domain configuration, use the following command.

```
ruckus(config)# no domain
```

### Syntax Description

This command uses the following syntax:

```
<name> zone <name>
```

<name>: Domain name

zone: Deletes AP zones of a specific domain

<name>: AP zone name

```
<name> zone <name> ap <ap-mac>
```

<name>: Domain name

zone: Deletes AP zones of a specific domain

<name>: AP zone name  
ap: Deletes an AP of a specific AP zone  
<ap-mac>: AP MAC address

<name> zone <name> wlan <name>  
<name>: Domain name  
zone: Deletes AP zones of a specific domain  
<name>: AP zone name  
wlan: Deletes WLANs of a specific AP zone  
<name>: WLAN name

<name> zone <name> aaa <name>  
<name>: Domain name  
zone: Deletes AP zones of a specific domain  
<name>: AP zone name  
aaa: Deletes AAA servers of a specific AP zone  
<name>: AAA server name

<name> zone <name> hotspot <name>  
<name>: Domain name  
zone: Deletes AP zones of a specific domain  
<name>: AP zone name  
hotspot: Deletes WISPr (Hotspot) of a specific AP zone  
<name>: WISPr (Hotspot) name

<name> zone <name> hotspot-v2-sp <name>  
<name>: Domain name  
zone: Deletes AP zones of a specific domain  
<name>: AP zone name  
hotspot-v2-sp: Deletes Hotspot 2.0 service provider profiles of a specific AP zone  
<name>: Service provider profile name

<name> zone <name> hotspot-v2-op <name>  
<name>: Domain name  
zone: Deletes AP zones of a specific domain  
<name>: AP zone name  
hotspot-v2-op: Shows Hotspot 2.0 operator profiles of a specific AP zone  
<name>: Operator profile name

<name> zone <name> ap-group <name>

```

<name>: Domain name
zone: Deletes AP zones of a specific domain
<name>: AP zone name
ap-group: Deletes AP groups of a specific AP zone
<name>: AP group name
<name> zone <name> wlan-group <name>
  <name>: Domain name
  zone: Deletes AP zones of a specific domain
  <name>: AP zone name
  wlan-group: Delete WLAN groups of a specific AP zone
  <name>: WLAN group name
  <name> zone <name> ap-register-rule <priority>
    <name>: Domain name
    zone: Deletes AP zones of a specific domain
    <name>: AP zone name
    ap-register-rule: Deletes AP registration rules of a specific AP zone
    <priority> AP registration rule
  <name> zone <name> cluster-switch-over
    <name>: Domain name
    zone: Disables the cluster switchover of a specific AP zone
    <name>: AP zone name
    cluster-switch-over: Disables the cluster switchover
  <name>
    <name>: Domain name

```

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no domain indus5-d
```

## no dp-group

To disable the dataplane grouping configuration, use the following command.

```
ruckus(config)# no dp-group
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no dp-group
```

## no eap-aka

To disable the EAP\_AKA configuration, use the following command.

```
ruckus(config)# no eap-aka <enable>
```

### Syntax Description

This command uses the following syntax:

enable: Disables the EAP-AKA

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus (config)# no eap-aka enable
```

## no eap-sim

To disable the EAP\_SIM configuration, use the following command.

```
ruckus(config)# no eap-sim <enable>
```



### Syntax Description

This command uses the following syntax:

enable: Disables the EAP-SIM

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no eap-sim enable
```

## no encrypt-mac-ip

To disable the encryption of MAC and IP address, use the following command.

```
ruckus(config)# no encrypt-mac-ip
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no encrypt-mac-ip
```

```
Do you want to continue to disable (or input 'no' to cancel)? [yes/  
no]
```

## no event

To disable the trigger to SNMP trap/email configuration, use the following command.

```
ruckus(config)# no event <snmp-trap> <email> <db-persistence>
```

### Syntax Description

This command uses the following syntax:

snmp-trap: Disables the trigger to SNMP trap

email: Disables the to trigger email

db-persistence: Disables DB persistence for the even

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no event email 305, 214, 113
```

## no ftp-server

To delete FTP server, use the following command.

```
ruckus(config)# no ftp-server <FTPname>
```

### Syntax Description

This command uses the following syntax:

<FTPname>: Name of the FTP server

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ftp-server ftp1
```

## no ggsn-service

To delete GGSN APN resolutions or DNS servers, use the following command.

```
ruckus(config)# no ggsn-service <apn <name>> <dns-server <ip>>
```

### Syntax Description

This command uses the following syntax:

apn <domain-name>

apn: APN resolution to GGSN configuration table

<name>: Domain name

```
dns-server <ip>  
    dns-server: DNS server  
    <ip>: DNS server IP
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ggsn-service dns-server host 1.1.1.1
```

## no hlr-mnc-ndc

To delete HLR service MNC to NDC mappings configurations, use the following command.

```
ruckus(config)# no hlr-mnc-ndc < mcc > < mnc > < ndc >
```

### Syntax Description

This command uses the following syntax:

```
< mcc > < mnc > < ndc >  
    mcc: Mobile country code  
    mnc: Mobile network code  
    ndc: Network destination code
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no hlr-mnc-ndc 345 346 679
```

## no hlr-service

To delete HLR service configuration, use the following command.

```
ruckus(config)# no hlr-service < name >
```

### Syntax Description

This command uses the following syntax:

```
hlr-name: HLR service name
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no hlr-service hlr11
```

## no hotspot-profile

To delete hotspot service profile configuration, use the following command.

```
ruckus(config)# no hotspot-profile <name>
```

### Syntax Description

This command uses the following syntax:

```
name: Hotspot service profile name
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no hotspot-profile hp12
```

## no hs20-ssl3

To disable SSLv3 protocol for Hotspot 2.0, use the following command.

```
ruckus(config)# no hs20-ssl3
```

### Syntax Description

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no hs20-ssl v3
```

## no identity-provider

To delete all identity provider profile, use the following command.

```
ruckus(config)# no identity-provider <identity-provider ${name}?> | <name>
```

**Syntax Description**

This command uses the following syntax:

\$name?

name: Name of identity provider

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no identity-provider ip2wl
```

```
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no interface

To disable an interface configuration, use the following command.

```
ruckus(config)# no interface <user-defined <name>>
```

**Syntax Description**

This command uses the following syntax:

user-defined: User defined interface

name: User defined interface name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no interface user-defined UD1
```

## no ip

To remove all IP address static routes, use the following command.

```
ruckus(config)# no ip <route> <route <dest-network> <network-mask> <next-hop-ip> [ cluster | management | control ]> <name-server secondary>
```

**Syntax Description**

This command uses the following syntax:

route: Deletes static routes

```
route <ip> <mask> <ip> <interface>
```

route: Deletes static routes

<ip>: Destination network IP address

<mask>: Destination network mask

<ip>: Next hop IP address

<interface>: Interface

```
route-ipv6 <ip> <ip> <interface>
```

route-ipv6: Delete IPv6 static routes

<ip>: Destination network IPv6 address

<ip>: Next hop IPv6 address

<interface>: Interface

```
name-server secondary
```

name-server: Deletes all name servers

secondary: Deletes secondary name server

```
separate-access-core enable
```

separate-access-core: Separates the access and core gateway

enable: Disables the access and core gateway

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ip route ip 193.12.30.10 255.255.255 10.9.0.254  
management
```

## no ipsec-profile

To delete all IPsec profiles, use the following command.

```
ruckus(config)# no ipsec-profile
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no ipsec-profile
```

## no l2ogre-profile

To delete the L2oGRE configuration, use the following command.

```
ruckus(config)# no l2ogre <name>
```

**Syntax Description**

This command uses the following syntax:

name: L2oGRE profile name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no l2ogre l2g13
```

## no l3ogre-profile

To delete the L3oGRE configuration, use the following command.

```
ruckus(config)# no l3ogre <name>
```

**Syntax Description**

This command uses the following syntax:

name: L3oGRE profile name

**Default**

This command has no default settings.

**Command Mode**

Config

**Example**

```
ruckus(config)# no l3ogre l3g19
```



## no lbs-service

To delete the location based service venue name, use the following command.

```
ruckus(config)# no lbs-service <name>
```

### Syntax Description

This command uses the following syntax:

name: LBS venue name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no lbs-service lbs-service  
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no ldap-service

To delete all LDAP service, use the following command.

```
ruckus(config)# no ldap-service <name>
```

### Syntax Description

This command uses the following syntax:

<name>: LDAP server name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ldap-service ldapser  
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no lineman

To delete the workflow URL, use the following command.

```
ruckus(config)# no lineman <workflowURL>
```

### Syntax Description

This command uses the following syntax:

<workflowURL>: Deletes the workflow URL

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no lineman https://172.19.10.4:8443
```

## no logging

To disable service logging settings, use the following command.

```
ruckus(config)# no logging <console cli>
```

### Syntax Description

This command uses the following syntax:

console: Disables all services that log on to the console and reverts to default settings.

cli: Disables the CLI logging on the console and changes the default log level

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no logging console cli
```

## no mvno

To delete MVNO configurations, use the following command.

```
ruckus(config)# no mvno <name>
```

### Syntax Description

This command uses the following syntax:

name: MVNO name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no mvno mv1
```

## no network-traffic-profile

To delete the network traffic configuration, use the following command.

```
ruckus(config)# no network-traffic-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the network service to be deleted

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no network-traffic-profile ntp1
```

## no oauth-service

To disable the all OAuth servers, use the following command.

```
ruckus(config)# no oauth-service <name>
```

### Syntax Description

This command uses the following syntax:

<name>: OAuth server name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no oauth-service nam3
```

```
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no operator-profile

To disable all WiFi operator profile settings, use the following command.

```
ruckus(config)# no operator-profile <operator-profile ${name}?> | <name>
```

### Syntax Description

This command uses the following syntax:

operator-profile \${name}?

<name>: Operator name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no operator-profile ops2
```

```
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no osu-portal-profile

To disable all OSU portal profile settings, use the following command.

```
ruckus(config)# no osu-portal <osu-portal-profile ${name}?| <name>
```

### Syntax Description

This command uses the following syntax:

```
osu-portal ${name}?
```

```
<name>: OSU profile name
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no osu-portal-profile ops3
```

```
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no outbound-firewall

To disable the outbound firewall, use the following command.

```
ruckus(config)# no outbound-firewall
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no outbound-firewall
```

## no pmipv6-profile

To delete the PMIPv6 profile, use the following command.

```
ruckus(config)# no pmipv6-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: PMIPv6 profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no pmipv6-profile pmip34
```

## no radius-service

To delete a RADIUS service configuration, use the following command.

```
ruckus(config)# no radius-service <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the RADIUS service to be deleted.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no radius-service rad87
```

## no report

To delete reports, use the following command.

```
ruckus(config)# no report <report-title>
```

### Syntax Description

This command uses the following syntax:

report-title: Report to be deleted

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no report scg-dns-report
```

## no rks-gre

To delete reports, use the following command.

```
ruckus(config)# no rks-gre <name>
```

### Syntax Description

This command uses the following syntax:

name: Ruckus GRE tunnel profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no rks-gre GRE1
```

## no role

To delete the role, use the following command.

```
ruckus(config)# no role <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the role to be deleted

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no role rm34
```



## no snmp-trap

To disable SNMP trap configuration, use the following command.

```
ruckus(config)# no snmp-trap
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no snmp-trap 113
```

## no snmp-v2-community

To delete SNMPv2 community, use the following command.

```
ruckus(config)# no snmp-v2-community <community>
```

### Syntax Description

This command uses the following syntax:

community: Community name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no snmp-v2-community cm2
```

## no snmp-v3-user

To delete SNMPv3 user configuration, use the following command.

```
ruckus(config)# no snmp-v3-user <user>
```

### Syntax Description

This command uses the following syntax:

user: User name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no snmp-v3-user ud11
```

## no soft-gre

To delete the oft GRE tunnel profile, use the following command.

```
ruckus(config)# no soft-gre <name>
```

### Syntax Description

This command uses the following syntax:

name: Soft GRE tunnel profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no soft-gre GRE1
```

## no subpackages

To delete subscription packages, use the following command.

```
ruckus(config)# no subpackages <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the subscription package

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no subpackages sub1
```

```
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no ttg-pdg-profile

To delete TTG+PDG profile configurations, use the following command.

```
ruckus(config)# no ttg-pdg-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: TTG PDG profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no ttg-pdg-profile ttg34
```

## no user-agent-blacklist

To delete the user agent blacklisted, use the following command.

```
ruckus(config)# no user-agent-blacklist <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the user agent which is blacklisted

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no user-agent-blacklist userb1  
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no user-role

To delete all users except the default user, use the following command.

```
ruckus(config)# no user-role <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the user role

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no user-role userr1  
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no user-traffic-profile

To delete all users traffic profiles, use the following command.

```
ruckus(config)# no user-traffic-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the user traffic profile

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no user-traffic-profile userp1  
Do you want to continue to delete (or input 'no' to cancel)? [yes/no]
```

## no zone

To delete all AP zones, except staging zone use the following command.

```
ruckus(config)# no zone
```

### Syntax Description

This command uses the following syntax:

```
<name> ap <ap-mac>
```

<name>: AP zone name

ap: Deletes an AP of a specific AP zone

<ap-mac>: AP MAC address

```
<name> wlan <name>
```

<name>: AP zone name

wlan: Deletes WLANs of a specific AP zone

<name>: WLAN name

```
<name> aaa <name>
```

<name>: AP zone name

aaa: Delete AAA servers of a specific AP zone

<name>: AAA server name

<name> hotspot <name>

<name>: AP zone name

hotspot: Delete WISPr (Hotspot) of a specific AP zone

<name>: WISPr (Hotspot) name

<name> guest-access <name>

<name>: AP zone name

guest-access: Deletes guest access of a specific AP zone

<name>: Guest access name

<name> web-authentication <name>

<name>: AP zone name

web-authentication: Deletes Web authentication of a specific AP zone

<name>: Web authentication name

<name> ap-group <name>

<name>: AP zone name

ap-group: Delete AP Groups of a specific AP Zone

<name>: AP Group name

<name> wlan-group <name>

<name>: AP zone name

wlan-group: Delete WLAN Groups of a specific AP Zone

<name>: WLAN Group name

<name> wlan-scheduler <name>

<name>: AP zone name

wlan-scheduler: Deletes WLAN scheduler profiles of a specific AP zone

<name>: WLAN scheduler name

<name> ap-register-rule <priority>

<name>: AP zone name

ap-register-rule: Delete AP Registration Rules of a specific AP Zone

<priority>: AP Registration Rule

<name> cluster-switch-over

<name>: AP zone name

cluster-switch-over: Disables the cluster switchover

<name>

<name>: AP zone name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no zone induszd3
```

## no zone-template

To delete zone template, use the following command.

```
ruckus(config)# no zone-template <name>
```

### Syntax Description

This command uses the following syntax:

name: Zone template name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# no zone-template orangezone
```

## node-affinity-config

To update the node affinity configuration, use the following command.

**ruckus(config)# node-affinity-config**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has the default settings of enable.

### Command Mode

Config

### Example

```
ruckus(config)# node-affinity-config
ruckus(config-node-affinity-config)
```

### Related Commands

- [Table 106](#) lists the relate node-affinity-configuration commands.
- [Table 107](#) lists the relate node-affinity-configuration-profile commands.

[Table 106](#) lists the relate node-affinity-configuration commands.

Table 106. Commands related to ruckus(config-node-affinity-config).

Syntax and Type	Parameters (if any)	Description
ruckus(config-node-affinity-config)# do Type: Privileged		Executes the do command.
ruckus(config-node-affinity-config)# enable Type: Privileged		Enables the node affinity.
ruckus(config-node-affinity-config)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-node-affinity-config)# exit Type: Privileged		Exits from the EXEC.



Table 106. Commands related to ruckus(config-node-affinity-config).

Syntax and Type	Parameters (if any)	Description
ruckus (config-node-affinity-config)# help Type: Privileged		Displays the help.
ruckus(config-node-affinity-config)# no Type: Privileged	<enable> <profile>	Disables node affinity
ruckus(config-node-affinity-config)# profile Type: Privileged	<name>	Creates or updates the node affinity profile.
ruckus(config-node-affinity-config)# retry Type: Privileged	<value>	Sets the number of retries between 1 to 10.

[Table 107](#) lists the relate node-affinity-configuration-profile commands.

Table 107. Commands related to ruckus(config-node-affinity-config-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-node-affinity-config-profile)# blade-list Type: Privileged	<name> <priority - down/up>	Sets the node priority
ruckus(config-node-affinity-config-profile)# description Type: Privileged	<text>	Sets the description
ruckus(config-node-affinity-config-profile)# do Type: Privileged		Executes the do command.
ruckus(config-node-affinity-config-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-node-affinity-config-profile)# exit Type: Privileged		Exits from the EXEC.

Table 107. Commands related to ruckus(config-node-affinity-config-profile).

Syntax and Type	Parameters (if any)	Description
ruckus (config-node-affinity-config-profile)# help Type: Privileged		Displays the help.
ruckus(config-node-affinity-config-profile)# name Type: Privileged	<name>	Sets the node affinity profile name.

## northbound-authtype

Sets the RADIUS authentication type to northbound portal interface, use the following command.

### **ruckus(config)# northbound-authtype**

#### Syntax Description

This command uses the following syntax:

<PAP/CHAP>: RADIUS authentication type

#### Default

This command has no default settings.

#### Command Mode

Config

#### Example

```
ruckus(config)# northbound-authtype PAP
ruckus(config)# northbound-authtype CHAP
```

## northbound-portal

Sets the northbound portal configuration, use the following command.

```
ruckus(config)# northbound-portal <password>
```

### Syntax Description

This command uses the following syntax:

password: Password for the northbound portal interface

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# northbound-portal ruckus1!
```

## ntp-server

Sets the NTP server configuration, use the following command.

```
ruckus(config)# ntp-server <ntp-server>
```

### Syntax Description

This command uses the following syntax:

ntp-server: NTP server IP/domain name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ntp-server host 172.19.13.53
```

# oauth-service

To create or update OAuth service configuration, use the following command.

**ruckus(config)# oauth-service <name>**

## Syntax Description

This command uses the following syntax:

name: OAuth service name

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# oauth-service osuauth
ruckus(config-oauth-service)#
```

## Related Commands

[Table 108](#) lists the related config-**oauth-service** configuration commands.

Table 108. Commands related ruckus(config-**oauth-service**)

Syntax and Type	Parameters (if any)	Description
ruckus(config- <b>oauth-service</b> )# app-id Type: Privileged	<app-id>	Sets the application ID.
ruckus(config- <b>oauth-service</b> )# app-secret Type: Privileged	<app-secret>	Sets the application secret name.
ruckus(config- <b>oauth-service</b> )# collect-email Type: Privileged		Enables collecting email addresses.
ruckus(config- <b>oauth-service</b> )# description Type: Privileged	<text>	Sets the description.
ruckus(config- <b>oauth-service</b> )# do Type: Privileged		Executes the do command.

Table 108. Commands related ruckus(config-oauth-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-oauth-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-oauth-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-oauth-service)# group-attrs Type: Privileged	<user-role>	Sets the user traffic profile mapping.
ruckus(config-oauth-service)# help Type: Privileged		Displays the help.
ruckus(config-oauth-service)# name Type: Privileged	<name>	Sets the OAuth service name.
ruckus(config-oauth-service)# no Type: Privileged	collect-email whitelisted-domain	Disables commands.
ruckus(config-oauth-service)# type Type: Privileged	[ linkedin   facebook   google ]	Sets the OAuth provider type.
ruckus(config-oauth-service)# whitelisted-domains Type: Privileged	<domain>	Sets the whitelisted domains.

# operator-profile

To create or update WiFi operator profile configuration, use the following command.

**ruckus(config)# operator-profile <name>**

## Syntax Description

This command uses the following syntax:

name: Operator profile name

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# operator-profile orangewifi
ruckus(config-operator-profile)#
```

## Related Commands

[Table 109](#) lists the related config-operator-profile configuration commands.

Table 109. Commands related ruckus(config-operator-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-operator-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-operator-profile)# do Type: Privileged		Executes the do command.
ruckus(config-operator-profile)# domain-names Type: Privileged	<domain-name>	Sets the domain name.
ruckus(config-operator-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-operator-profile)# exit Type: Privileged		Exits from the EXEC.

Table 109. Commands related ruckus(config-operator-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-operator-profile)# friendly-names Type: Privileged	<language> <names>	Sets the friendly name as seen by the end user.
ruckus(config-operator-profile)# help Type: Privileged		Displays the help.
ruckus(config-operator-profile)# name Type: Privileged	<name>	Sets the WiFi operator profile name.
ruckus(config-operator-profile)# no Type: Privileged	domain-names friendly-names signup-security	Disables commands.
ruckus(config-operator-profile)# osen-cert Type: Privileged	#{cert}	Uploads the operator certificate.
ruckus(config-operator-profile)# signup-security Type: Privileged		Enables OSEN (Support for Anonymous Authentication)

## osu-portal-profile

To create or update OSU (Online SignUp) portal profile configuration, use the following command.

**ruckus(config)# osu-portal-profile <name>**

### Syntax Description

This command uses the following syntax:

name: OSU portal profile name

### Default

This command has no default settings.

### Command Mode

Config

**Example**

```
ruckus(config)# osu-portal-profile orangeosu
ruckus(config-osu-portal-profile)#
```

**Related Commands**

Table 110 lists the related config-osu-portal-profile configuration commands.

Table 110. Commands related ruckus(config-osu-portal-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-osu-portal-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-osu-portal-profile)# do Type: Privileged		Executes the do command.
ruckus(config-osu-portal-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-osu-portal-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-osu-portal-profile)# help Type: Privileged		Displays the help.
ruckus(config-osu-portal-profile)# language Type: Privileged		Sets the portal language.
ruckus(config-osu-portal-profile)# logo Type: Privileged	<ftp-url>	Sets the operator logo.
ruckus(config-osu-portal-profile)# name Type: Privileged	<name>	Sets the portal name.



Table 110. Commands related ruckus(config-osu-portal-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-osu-portal-profile)# no Type: Privileged	show-terms-condition	Disables the command.
ruckus(config-osu-portal-profile)# show-terms-conditions Type: Privileged		Shows the terms and conditions.
ruckus(config-osu-portal-profile)# terms-conditions Type: Privileged	<terms>	Sets the terms and conditions.
ruckus(config-osu-portal-profile)# title Type: Privileged	<title>	Sets the portal title.

## outbound-firewall

To create or update the outbound firewall configuration, use the following command.

**ruckus(config)# outbound-firewall**

### Syntax Description

This command has no keywords or arguments.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus (config) # outbound-firewall
```

**Related Commands**

[Table 112](#) lists the related outbound-firewall configuration commands.

Table 111. Commands related to ruckus (config-outbound-firewall).

Syntax and Type	Parameters (if any)	Description
ruckus(config-outbound-firewall)# enable Type: Privileged		Allow the outbound traffic.

Table 111. Commands related to ruckus (config-outbound-firewall).

Syntax and Type	Parameters (if any)	Description
ruckus(config-outbound-firewall)# ip-rule Type: Privileged	<p>&lt;profileName&gt; out [ udp   sctp   tcp ] [ dport   sport ] &lt;port&gt;</p> <ul style="list-style-type: none"> <li>• &lt;profileName&gt;: profile name <ul style="list-style-type: none"> <li>• out: Output traffic</li> <li>• udp: UDP</li> <li>• sctp: SCTP</li> <li>• tcp: TCP</li> <li>• dport: Destination port</li> <li>• sport: Source port</li> <li>• &lt;port&gt;: port</li> </ul> </li> <li>• &lt;profileName&gt; out [ udp   sctp   tcp ] [ sport   dport ] &lt;port&gt; [ src   dst ] &lt;ipaddress&gt; <ul style="list-style-type: none"> <li>• &lt;profileName&gt;: profile name</li> <li>• out: Output traffic</li> <li>• udp: UDP</li> <li>• sctp: SCTP</li> <li>• tcp: TCP</li> <li>• sport: Source port</li> <li>• dport: Destination port</li> <li>• &lt;port&gt;: port</li> <li>• src: Source</li> <li>• dst: Destination</li> <li>• &lt;ipaddress&gt;: IP address</li> </ul> </li> </ul>	Allow IPtables profile.

Table 111. Commands related to ruckus (config-outbound-firewall).

Syntax and Type	Parameters (if any)	Description
ruckus(config-outbound-firewall)# no Type: Privileged	<ip-rule><profileName>	Remove IP rule

## pmipv6-profile

Sets the NTP server configuration, use the following command.

**ruckus(config)# pmipv6-profile <global interval <interval-value>> | <global retry <retries-value> | <global refresh-time <time>> | <profile-name>**

### Syntax Description

This command uses the following syntax:

global interval <interval-value>

global: Global LMA and MAG options

interval: Set the LMA keep-alive interval

<interval-value>: LMA keep-alive interval value, which is between 5 and 60

global retry <retries-value>

global: Global LMA and MAG options

retry: Set the LMA keep-alive retries

<retries-value>: LMA keep-alive retries value, which is between 1 and 10

global refresh-time <time>

global: Global LMA and MAG options

refresh-time: Binding refresh time

<time>: Binding refresh time value, which is between 4 and 65535

<profile-name>

<profile-name>: PMIPv6 profile name

### Default

This command has no default settings.

### Command Mode

Config

**Example**

```
ruckus(config)# pmipv6-profile global refresh-time 120
```

**Related Commands**

Table 112 lists the related pmipv6 configuration commands.

Table 112. Commands related to ruckus (config-pmipv6-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-pmipv6-profile)# apn Type: Privileged	<apn>: APN Name	Sets the APN value.
ruckus(config-pmipv6-profile)# delimiter Type: Privileged	[ hyphen   no   colon   period ]	Sets the delimiter format.
ruckus(config-pmipv6-profile)# description Type: Privileged	<description>	Sets the description length between 1 and 128.
ruckus(config-pmipv6-profile)# do Type: Privileged		Executes the do command.
ruckus(config-pmipv6-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-pmipv6-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus (config-pmipv6-profile)# help Type: Privileged		Displays the help.
ruckus(config-pmipv6-profile)# lma-ip Type: Privileged	<ip> [ secondary   primary ]	Sets the LMA IP address.
ruckus(config-pmipv6-profile)# mac48 Type: Privileged	[ hexadecimal   decimal ]	Sets the Mac48 format.

Table 112. Commands related to ruckus (config-pmipv6-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-pmipv6-profile)# mn-id Type: Privileged	[ mac48   nai ]	Sets the MN-ID options, which are: <ul style="list-style-type: none"> <li>• mac48: Mac48 @ APN type</li> <li>• nai: NAI from authentication type</li> </ul>
ruckus(config-pmipv6-profile)# name Type: Privileged	<name>	Sets the PMIPv6 profile name.
ruckus(config-pmipv6-profile)# no Type: Privileged	no lma-ip <secondary>	Disables the LMA IP address.

## q-in-q-ethertype

To change Q-in-Q ether type, use the following command.

```
ruckus(config)# q-in-q-ethertype <8100> | <9100> | <9200> | <88a8>
```

### Syntax Description

This command uses the following syntax:

```
[8100 | 9100 | 9200 | 88a8]
```

```
8100: 0x8100
```

```
9100: 0x9100
```

```
9200: 0x9200
```

```
88a8: 0x88a8
```

```
value : Custom Q-in-Q Ether type value
```

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# q-in-q-ethertype 9200
```

# radius-service

Sets the RADIUS service configurations, use the following command.

**ruckus(config)# radius-service <name>**

## Syntax Description

This command uses the following syntax:

name: Name of the RADIUS server

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# radius-service rad01
```

## Related Commands

[Table 113](#) lists the related radius-service configuration commands.

Table 113. Commands related to ruckus(config-radius-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-radius-service)# auto-fallback-disable Type: Privileged		Disables the auto fallback. This command is available on enabling the backup command.
ruckus(config-radius-service)# backup Type: Privileged	ip Sets the IP address of secondary RADIUS server port Sets the port of secondary RADIUS server shared-secret: Sets the shared secret of secondary RADIUS server	Enables backup of RADIUS support and sets the related settings.
ruckus(config-radius-service)# description Type: Privileged	<text>	Sets the description of the RADIUS server created.
ruckus(config-radius-service)# do Type: Privileged		Executes the do command.

Table 113. Commands related to ruckus(config-radius-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-radius-service)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-radius-service)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-radius-service)# friendly-name Type: Privileged	<friendly-name>	Sets the RADIUS server friendly name.
ruckus(config-radius-service)# group-attribs Type: Privileged	<attr-value> <user-role>	Sets the user traffic profile mapping.
ruckus(config-radius-service)# help Type: Privileged		Displays the help.
ruckus(config-radius-service)# ip Type: Privileged	<ip>	Sets the IP addresses of the primary RADIUS server.
ruckus(config-radius-service)# max-retry Type: Privileged	<times>	Sets the maximum number of retries.
ruckus(config-radius-service)# mor Type: Privileged	[ <0 or 10-4096> ]	Sets the maximum outstanding requests per server.
ruckus(config-radius-service)# name Type: Privileged	<name>	Sets the RADIUS server name.
ruckus(config-radius-service)# no Type: Privileged	auto-fallback-disable backup group-attribs no-response-fail out-of-band	Disables various options.



Table 113. Commands related to ruckus(config-radius-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-radius-service)# no-response-fail Type: Privileged		Enables the no response fail.
ruckus(config-radius-service)# out-of-band Type: Privileged		RFC5580 out of band location delivery.
ruckus(config-radius-service)# port Type: Privileged	<port>	Sets the port addresses of the primary RADIUS server.
ruckus(config-radius-service)# response-window Type: Privileged	<seconds>	Sets the response window between 5 and 30 seconds.
ruckus(config-radius-service)# revive-interval Type: Privileged	<seconds>	Sets the revive interval period in between 60 and 3600 seconds.
ruckus(config-radius-service)# reconnect-primary Type: Privileged	<minutes>	Sets the reconnect time to the primary RADIUS server.
ruckus(config-radius-service)# request-timeout Type: Privileged	<seconds>	Sets the request timeout in seconds.
ruckus(config-radius-service)# sanity-timer Type: Privileged	<seconds>	Sets the sanity timer between 1-3600 seconds.
ruckus(config-radius-service)# shared-secret Type: Privileged	<shared-secret>	Sets the shared secret of the primary RADIUS server.
ruckus(config-radius-service)# test Type: Privileged	<username> <password> [PAP   CHAP]	Tests the RADIUS server based on the user credentials and protocol settings.

Table 113. Commands related to ruckus(config-radius-service).

Syntax and Type	Parameters (if any)	Description
ruckus(config-radius-service)# threshold Type: Privileged	[ <10-90 %> ]	Sets the percentage of maximum number of outstanding requests.
ruckus(config-radius-service)# type Type: Privileged	[ radius   radius-acct ]	Sets the RADIUS type and RADIUS accounting type.
ruckus(config-radius-service)# zombie-period Type: Privileged	<seconds>	Sets the zombie period between 30 to 120 seconds.

## rebalance-aps

To re-balance the control or dataplane loading, use the following command.

**ruckus(config)# rebalance aps**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# rebalance-aps
```

## report

Sets the report configurations, use the following command.

**ruckus(config)# report <title>**

### Syntax Description

This command uses the following syntax:

title: Name of the report

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# report rep01
```

## Related Commands

Table 114 lists the related report configuration command.

Table 114. Commands related to ruckus(config-report)

Syntax and Type	Parameters (if any)	Description
ruckus(config-report)# csv-format Type: Privileged		Sets the output of the report in CSV format.
ruckus(config-report)# description Type: Privileged	<text>	Sets the description.
ruckus(config-report)# do Type: Privileged		Executes the do command.
ruckus(config-report)# email Type: Privileged	<email>	Sets the email notification.
ruckus(config-report)# enable-export Type: Privileged	<ftp-url> - FTP URL format is: ftp://<username>:<password>@<ftp-host>[/<dir-path>]	Sets the export report results to FTP server.
ruckus(config-report)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-report)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-report)# export Type: Privileged	<ftp-url> - FTP URL format is: ftp://<username>:<password>@<ftp-host>[/<dir-path>]	Sets the export report results to FTP server.
ruckus(config-report)# export-test Type: Privileged		Tests the FTP server.
ruckus(config-report)# help Type: Privileged		Displays the help.

Table 114. Commands related to ruckus(config-report)

Syntax and Type	Parameters (if any)	Description
ruckus(config-report)# no Type: Privileged	csv-format email enable-export pdf-format resource-filter schedule	Disables and deletes commands.
ruckus(config-report)# pdf-format Type: Privileged		Sets the outputs of the report in a PDF format.
ruckus(config-report)# resource-filter Type: Privileged	ggsn <ggsn-ip> ssid <ssid> radio \${value} device plane <name> device domain <name> device zone <name> device <ap> <name>	Sets the resource filter criteria.
ruckus(config-report)# schedule Type: Privileged	monthly <date-of-month> hour <hour> minute <minute>  weekly <day-of-week> hour <hour> minute <minute>  daily <hour> minute <minute>  hourly <minute>	Sets the schedule.

Table 114. Commands related to ruckus(config-report)

Syntax and Type	Parameters (if any)	Description
ruckus(config-report)# time-filter Type: Privileged	monthly months <months> daily days <days> hourly days <days> hourly hours <hours> 15min hours <hours> 5mintime-period hours time-period hours <hours>	Sets the time filter.
ruckus(config-report)# title Type: Privileged	<title>	Sets the report title.
ruckus(config-report)# type Type: Privileged	active-ttg-sessions client-number client-number-vs-air-time continuously- disconnected-aps failed-client-associations new-client-associations system-resource-utilization tx-rx-bytes	Sets the report type.

## rks-gre

To create or update the Ruckus GRE configuration, use the following command.

**ruckus(config)# rks-gre <name>**

### Syntax Description

This command uses the following syntax:

<name>: Ruckus GRE name

### Default

This command has no default settings.

### Command Mode

Config

**Example**

```
ruckus(config)# rks-gre GRE1
```

**Related Commands**

Table 115 lists the related rks-gre configuration command.

Table 115. Commands related to ruckus(config-rke-gre)

Syntax and Type	Parameters (if any)	Description
ruckus(config-rks-gre)# description Type: Privileged	<text>	Sets the description.
ruckus(config-rks-gre)# do Type: Privileged		Executes the do command.
ruckus(config-rks-gre)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-rks-gre)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-rks-gre)# help Type: Privileged		Displays the help.
ruckus(config-rks-gre)# gateway-mtu Type: Privileged	auto: Enables auto discover <manually-size> Manual size between 850 and 1500	Sets the WAN interface MTU.
ruckus(config-rks-gre)# no Type: Privileged	description gateway-mtu tunnel-encryption	Disables and deletes commands.
ruckus(config-rks-gre)# tunnel-encryption Type: Privileged		Enables the tunnel encryption.

Table 115. Commands related to ruckus(config-rke-gre)

Syntax and Type	Parameters (if any)	Description
ruckus(config-rks-gre)# tunnel-mode Type: Privileged	[ gre-udp   gre ] gre-udp: GRE+UDP (Support for APs behind NAT.) gre: GRE	Sets the tunnel mode.

## role

Sets the role, use the following command.

**ruckus(config)# role <name>**

### Syntax Description

This command uses the following syntax:

name: Define the role name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# role admin01
```

### Related Commands

[Table 116](#) lists the related role configuration commands.

Table 116. Commands related to ruckus(config-role).

Syntax and Type	Parameters (if any)	Description
ruckus(config-role)# capabilities Type: Privileged	<capabilities-depth-1> <capabilities-depth-2> <capabilities-depth-3> <capabilities-depth-4> <capabilities-depth-5> <capabilities-depth-6>	Sets the capabilities details.



Table 116. Commands related to ruckus(config-role).

Syntax and Type	Parameters (if any)	Description
ruckus(config-role)# description Type: Privileged	<text>	Sets the description for the assigned role.
ruckus(config-role)# do Type: Privileged		Executes the do command.
ruckus(config-role)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-role)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-role)# help Type: Privileged		Displays the help.
ruckus(config-role)# name Type: Privileged	<name>	Sets the role name.
ruckus(config-role)# no Type: Privileged	capabilities <capabilities-depth-1> <capabilities-depth-2> <capabilities-depth-3> <capabilities-depth-4> <capabilities-depth-5> <capabilities-depth-6>	Disables the capabilities assigned.

# Configuration Commands (s - z)

# 4

This chapter describes the commands that you can use to configure, enable, and disable various controller components. The following table lists the commands.

---

**NOTE:** For easy access and reading, the configuration chapter has been split into 3 chapters based on the alphabetical order of commands.

---

Table 117. Configuration commands

<a href="#">sci-setting</a>	<a href="#">sms-server</a>	<a href="#">smtp-server</a>	<a href="#">snmp-notification</a>	<a href="#">snmp-trap</a>
<a href="#">snmp-v2-community</a>	<a href="#">snmp-v3-user</a>	<a href="#">soft-gre</a>	<a href="#">stats-upload</a>	<a href="#">subpackages</a>
<a href="#">syslog-server</a>	<a href="#">ttg-pdg-profile</a>	<a href="#">user-agent-blacklist</a>	<a href="#">user-role</a>	<a href="#">user-traffic-profile</a>
<a href="#">zone</a>	<a href="#">zone-template</a>			

## sci-setting

To enable SCI settings, use the following command.

**ruckus(config)# sci-setting**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# sci-setting
ruckus(config-sci-setting)#
```

### Related Commands

[Table 118](#) lists the related sci-setting configuration commands.

Table 118. Commands related to ruckus(config-sci-setting)

Syntax and Type	Parameters (if any)	Description
ruckus(config-sci-setting)# do Type: Privileged		Enables the do command
ruckus(config-sci-setting)# enable Type: Privileged		Enables the SCI server.
ruckus(config-sci-setting)# end Type: Privileged		Ends the current configuration session and return to the privileged EXEC mode.
ruckus(config-sci-setting)# exit Type: Privileged		Exit from the EXEC mode.
ruckus(config-sci-setting)# help Type: Privileged		Display the Help message.
ruckus(config-sci-setting)# host Type: Privileged		Sets the SCI server host.
ruckus(config-sci-setting)# no Type: Privileged	enable tenant-id	Disables SCI server commands

Syntax and Type	Parameters (if any)	Description
ruckus(config-sci-setting)# port Type: Privileged		Sets the SCI server port
ruckus(config-sci-setting)# tenant-id Type: Privileged		Sets the tenant ID

## sms-server

To enable SMS server configurations, use the following command.

**ruckus(config)# sms-server**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# sms-server
ruckus(config-sms-server)#
```

### Related Commands

[Table 119](#) lists the related sms-server configuration commands.

Table 119. Commands related to ruckus(config-sms-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-sms-server)# account-sid Type: Privileged	<sid>	Sets the account SID, which is a 34 character string that uniquely identifies this account.
ruckus(config-sms-server)# auth-token Type: Privileged	<token>	Sets the authorization token identifier.

Table 119. Commands related to ruckus(config-sms-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-sms-server)# enable Type: Privileged		Enables the SMS server.
ruckus(config-sms-server)# from Type: Privileged	<from>	Sets the sender's mail address.
ruckus(config-sms-server)# no enable Type: Privileged		Disables the SMS server.
ruckus(config-sms-server)# server-name Type: Privileged	<server-name>	Sets the server name.

## smtp-server

To update the SMTP server configurations, use the following command.

**ruckus(config)# smtp-server <personalname>**

### Syntax Description

This command has the following syntax:

personalname: Personal name.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# smtp-server
```

```
ruckus(config-smtp-server)#
```

## Related Commands

Table 120 lists the related smtp-server configuration commands.

Table 120. Commands related to (config-smtp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-smtp-server)# do Type: Privileged		Executes the do command.
ruckus(config-smtp-server)# enable Type: Privileged		Enables the SMTP server.
ruckus(config-smtp-server)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(diagnostic)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-smtp-server)# from Type: Privileged	<mail>	Sets the sender's mail address.
ruckus(config-smtp-server)# help Type: Privileged		Displays the help.
ruckus(config-smtp-server)# host Type: Privileged	<host>	Sets the SMTP server IP address or domain name.
ruckus(config-smtp-server)# no Type: Privileged	enable: Disables SMTP Server password: Removes password personalname: Deletes personal name start-tls: Disables STARTTLS encryption tls: Disables TLS encryption username: Removes the username	Disables TLS or STARTTLS encryption commands.

Table 120. Commands related to (config-smtp-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-smtp-server)# password Type: Privileged	<personalname>: From display name	Sets the password.
ruckus(config-smtp-server)# personalname Type: Privileged	<password>	Sets the personal name.
ruckus(config-smtp-server)# port Type: Privileged	<port>	Sets the port number.
ruckus(config-smtp-server)# start-tls Type: Privileged		Enables STARTTLS encryption.
ruckus(config-smtp-server)# test Type: Privileged		Tests the SMTP settings.
ruckus(config-smtp-server)# tls Type: Privileged		Enables TLS encryption.
ruckus(config-smtp-server)# to Type: Privileged	<mail>	Sets the receiver's email address.
ruckus(config-smtp-server)# username Type: Privileged	<username>	Sets the logon name.

## snmp-notification

To enable SNMP notifications, use the following command.

**ruckus(config)# snmp-notification**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# snmp-notification
```

## snmp-trap

To enable SNMP traps, use the following command.

```
ruckus(config)# snmp-trap
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# snmp-trap
```

## snmp-v2-community

Sets the SNMPv2 community, use the following command.

```
ruckus(config)# snmp-v2-community <community>
```

### Syntax Description

This command uses the following syntax:

community: Community name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# snmp-v2-community comm3
```



ruckus(config-snmp-v2-community)#

### Related Commands

Table 121 lists the related snmp-v2-community configuration commands.

Table 121. Commands related to ruckus(config-snmp-v2-community)

Syntax and Type	Parameters (if any)	Description
ruckus(config-snmp-v2-community)# do Type: Privileged		Executes the do command.
ruckus(config-snmp-v2-community)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-snmp-v2-community)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-snmp-v2-community)# help Type: Privileged		Displays the help.
ruckus(config-snmp-v2-community)# no Type: Privileged	read: Disables read privilege trap: Disables trap privilege trap-target <ip> <port>: Deletes trap target IP address and port write: Disables write privilege	Disables various options
ruckus(config-snmp-v2-community)# read Type: Privileged		Enables read privileges
ruckus(config-snmp-v2-community)# trap Type: Privileged		Enables trap privileges

Table 121. Commands related to ruckus(config-snmp-v2-community)

Syntax and Type	Parameters (if any)	Description
ruckus(config-snmp-v2-community)# trap-target Type: Privileged	<ip> <port>	Enables trap target by setting the IP address and port.
ruckus(config-snmp-v2-community)# write Type: Privileged		Enables write privileges

## snmp-v3-user

Sets the SNMPv3 user configuration, use the following command.

**ruckus(config)# snmp-v3-user <user>**

### Syntax Description

This command uses the following syntax:

user: User name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# snmp-v3-user ud3
```

```
ruckus(config-snmp-v3-user)#
```

## Related Commands

Table 122 lists the related config-snmp-v3-user configuration commands.

Table 122. Commands related to ruckus(config-snmp-v3-user)

Syntax and Type	Parameters (if any)	Description
ruckus(config-snmp-v3-user)# auth Type: Privileged	none sha <auth-password> md5 <auth-password>	Sets SNMPv3 user authentication.
ruckus(config-snmp-v3-user)# do Type: Privileged		Executes the do command.
ruckus(config-snmp-v3-user)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-snmp-v3-user)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-snmp-v3-user)# help Type: Privileged		Displays the help.
ruckus(config-snmp-v3-user)# no Type: Privileged	read: Disables read privilege trap: Disables trap privilege trap-target <ip> <port>: Deletes trap target IP address and port write: Disables write privilege	Disables various options
ruckus(config-snmp-v3-user)# privacy Type: Privileged	none: Set to none des <privacy-phrase>: DES privacy phrase aes <privacy-phrase>: AES privacy phrase	Sets the user privacy
ruckus(config-snmp-v3-user)# read Type: Privileged		Enables read privileges

Table 122. Commands related to ruckus(config-snmp-v3-user)

Syntax and Type	Parameters (if any)	Description
ruckus(config-snmp-v3-user)# trap Type: Privileged		Enables trap privileges
ruckus(config-snmp-v3-user)# trap-target Type: Privileged	<ip> <port>	Enables trap target by setting the IP address and port.
ruckus(config-snmp-v3-user)# write Type: Privileged		Enables write privileges

## soft-gre

To create/ update the soft GRE configuration, use the following command.

**ruckus(config)# soft-gre <name>**

### Syntax Description

This command uses the following syntax:

<name>: Soft GRE name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# soft-gre GRE1
ruckus(config-soft-gre)#
```

## Related Commands

Table 123 lists the related config-soft-gre configuration commands.

Table 123. Commands related to ruckus(config-soft-gre)

Syntax and Type	Parameters (if any)	Description
ruckus(config-soft-gre)# description Type: Privileged	<text>	Set the description
ruckus(config-soft-gre)# device- ip-mode Type: Privileged	[ ipv4   ipv6 ]	Sets the gateway IP mode to IPv4 or IPv6 version.
ruckus(config-soft-gre)# do Type: Privileged		Executes the do command.
ruckus(config-soft-gre)# end Type: Privileged		Ends the current session and return to privileged EXEC mode.
ruckus(config-soft-gre)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-soft-gre)# gateway Type: Privileged	<ip> [ primary   secondary]	Sets the gateway address to the IP address of the primary or secondary server.
ruckus(config-soft-gre)# force- disassociate-client Type: Privileged		Force disassociates the client.
ruckus(config-soft-gre)# gateway-mtu Type: Privileged	auto: <manually-size>	Sets the gateway path MTU to either auto or manual mode. The manual size, is in the range 850 and 1500.
ruckus(config-soft-gre)# gateway6 Type: Privileged	<ipv6> [ primary   secondary ]	Sets the gateway IPv6 address.
ruckus(config-soft-gre)# help Type: Privileged		Access the help message.
ruckus(config-soft-gre)# icmp- period Type: Privileged	<seconds>	Sets the ICMP keep alive period in seconds.

Table 123. Commands related to ruckus(config-soft-gre)

Syntax and Type	Parameters (if any)	Description
ruckus(config-soft-gre)# icmp-retry Type: Privileged	<retryTimes>	Sets the ICMP keep alive retry.
ruckus(config-soft-gre)# name Type: Privileged	<name>	Sets the SoftGRE name.
ruckus(config-soft-gre)# no Type: Privileged	force-disassociate-client gateway gateway-mtu gateway6	Disables various options

## stats-upload

To update the FTP server for uploading statistical data, use the following command.

**ruckus(config)# stats-upload**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# stats-upload
ruckus(config-stats-upload)#
```

### Related Commands

[Table 124](#) lists the related config-stats-upload configuration commands.

Table 124. Commands related to ruckus(config-stats-upload)

Syntax and Type	Parameters (if any)	Description
ruckus(config-stats-upload)# do Type: Privileged		Executes the do command.

Table 124. Commands related to ruckus(config-stats-upload)

Syntax and Type	Parameters (if any)	Description
ruckus(config-stats-upload)# enable Type: Privileged	<text>	Enables to upload the statistical data to the FTP server.
ruckus(config-stats-upload)# end Type: Privileged		Ends the current session and return to privileged EXEC mode.
ruckus(config-stats-upload)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-stats-upload)# ftp-server Type: Privileged	<\${value}>	Sets the FTP server.
ruckus(config-stats-upload)# help Type: Privileged		Access the help message.
ruckus(config-stats-upload)# no Type: Privileged	enable	Disables the enable option.
ruckus(config-stats-upload)# stats-interval Type: Privileged	[ daily   hourly ]	Sets the statistical data interval to either hourly or daily.
ruckus(config-stats-upload)# test Type: Privileged		Test the FTP settings.

## subpackages

To create or update the subscription package configuration, use the following command.

**ruckus(config)# subpackages <name>**

### Syntax Description

This command uses the following syntax:

name: Name of the subscription package.

### Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# subpackages sub1
ruckus(config-subpackages) #
```

## Related Commands

[Table 125](#) lists the related subpackages configuration commands.

Table 125. Commands related to ruckus (config-subpackages)

Syntax and Type	Parameters (if any)	Description
ruckus(config-subpackages)# description Type: Privileged	<description>	Sets the description.
ruckus(config-subpackages)# do Type: Privileged		Executes the do command.
ruckus(config-subpackages))# end Type: Privileged		Ends the current session and return to privileged EXEC mode.
ruckus(config-subpackages))# exit Type: Privileged		Exits from the EXEC.
ruckus(config-subpackages)# expiration-interval Type: Privileged	[ week   hour   year   never   month   day ]	Sets the expiration interval to: <ul style="list-style-type: none"> <li>• week: Set Week</li> <li>• hour: Set Hour</li> <li>• year: Set Year</li> <li>• never: Never</li> <li>• month: Set Month</li> <li>• day: Set Day</li> </ul>
ruckus(config-subpackages)# expiration-value Type: Privileged	<expiration-value>	Sets the expiration value.
ruckus(config-subpackages))# help Type: Privileged		Access the help message.



Table 125. Commands related to ruckus (config-subpackages)

Syntax and Type	Parameters (if any)	Description
ruckus(config-subpackages)# name Type: Privileged	<text>	Sets the subscription package name.

## support-admin

To support administrator configuration, use the following command.

**ruckus(config)# support-admin**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# support-admin
ruckus(config-support-admin)#
```

### Related Commands

[Table 126](#) lists the relate support-admin configuration commands.

Table 126. Commands related to ruckus(config-support-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-support-admin)# changepassword Type: Privileged		Change the password.
ruckus(config-support-admin)# do Type: Privileged		Executes the do command.
ruckus(config-support-admin)# enable Type: Privileged		Unlocks the support administrator.
ruckus(config-support-admin)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-support-admin)# exit Type: Privileged		Exits from the EXEC.

Table 126. Commands related to ruckus(config-support-admin)

Syntax and Type	Parameters (if any)	Description
ruckus(config-support-admin)# help Type: Privileged		Displays the help.
ruckus(config-support-admin)# no Type: Privileged	enable	Disables the support administrator.

## syslog-server

To update the syslog server configurations, use the following command.

**ruckus(config)# syslog-server**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# syslog-server
```

### Related Commands

[Table 127](#) lists the relate syslog-server configuration commands.

Table 127. Commands related to ruckus(config-syslog-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-syslog-server)# appfacility Type: Privileged	[ Local2   Local7   Local0   Local6   Local4   Local5   Local3   Local1 ]	Remote syslog server to send the application log files.
ruckus(config-syslog-server)# auditfacility Type: Privileged	[ Local6   Local4   Local2   Local3   Local0   Local5   Local7   Local1 ]	Remote syslog server to send the audit log files.

Table 127. Commands related to ruckus(config-syslog-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-syslog-server)# do Type: Privileged		Executes the do command.
ruckus(config-syslog-server)# enable Type: Privileged		Enables sending events to the remote syslog server.
ruckus(config-syslog-server)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-syslog-server)# eventfacility Type: Privileged	[ Local7   Local6   Local3   Local4   Local0   Local2   Local1   Local5 ]	Remote syslog server to send the event log files.
ruckus(config-syslog-server)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-syslog-server)# filter Type: Privileged	[ severity   exclude-client   all ] severity: All events above a severity exclude-client: All events except client associate/disassociate events all: All events	Sets the settings for filtering events.
ruckus(config-syslog-server)# filter-severity Type: Privileged	[ Critical   Warning   Major   Info   Debug   Minor ]	Sets the event severity filter settings.
ruckus(config-syslog-server)# help Type: Privileged		Displays the help.
ruckus(config-syslog-server)# host Type: Privileged	<ip>	Sets the syslog server IP address.
ruckus(config-syslog-server)# no Type: Privileged	<enable> secondary-host	Disables the syslog server and secondary settings.
ruckus(config-syslog-server)# ping Type: Privileged		Pings the syslog server.

Table 127. Commands related to ruckus(config-syslog-server)

Syntax and Type	Parameters (if any)	Description
ruckus(config-syslog-server)# pingsecondary Type: Privileged		Pings the secondary syslog server.
ruckus(config-syslog-server)# port Type: Privileged	<port>	Sets the syslog server port.
ruckus(config-syslog-server)# priority Type: Privileged	[ Minor   Critical   Debug   Info   Warning   Major ] [ Debug   Warning   Info   Error ]	Sets the priority for events. The event severity and syslog-severity is based on priority.
ruckus(config-syslog-server)# protocol Type: Privileged	<tcp   udp>	Sets the primary Syslog server protocol.
ruckus(config-syslog-server)# secondary-protocol Type: Privileged	<tcp   udp>	Sets the secondary Syslog server protocol.
ruckus(config-syslog-server)# redundancy-mode Type: Privileged	[Primary/Backup   Active/ Active]	Sets forwarding syslog server mode.
ruckus(config-syslog-server)# secondary-host Type: Privileged	<ip>: IP address	Sets the secondary syslog server IP.
ruckus(config-syslog-server)# secondary-port Type: Privileged	<port>: Port	Sets the secondary syslog server port.

## ttg-pdg-profile

To create and update the TTG+PDG profile configurations, use the following command.

**ruckus(config)# ttg-pdg-profile <name>**

### Syntax Description

This command uses the following syntax:

name: TTG PDG profile name

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# ttg-pdg-profile ntp34
```

### Related Commands

- [Table 128](#) lists the related ttg-pdg-profile configuration commands.
- [Table 129](#) lists the related ttg-pdg-profile-apn configuration commands.
- [Table 130](#) lists the related config-ttg-pdg-profile-dhcp-option82 configuration commands.

[Table 128](#) lists the related ttg-pdg-profile configuration commands

Table 128. Commands related to (config-ttg-pdg-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile)# acct-retry Type: Privileged	<retry-times>	Sets the accounting retries.
ruckus(config-ttg-pdg-profile)# acct-retry-timeout Type: Privileged	<seconds>	Sets the accounting retry timeout.
ruckus(config-ttg-pdg-profile)# apn Type: Privileged	nioi <apn> ni <apn>	Creates or updates the forwarding policy for APN configuration commands.
ruckus(config-ttg-pdg-profile)# apn-format-ggsn Type: Privileged	[ dns   string ]	Sets the APN format to GGSN.
ruckus(config-ttg-pdg-profile)# apn-oi Type: Privileged		Enables APN-OI for DNS resolution.

Table 128. Commands related to (config-ttg-pdg-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile)# default Type: Privileged		Sets the default APN settings.
ruckus(config-ttg-pdg-profile)# description Type: Privileged	<text>	Sets the description. Length is between 1 and 128.
ruckus(config-ttg-pdg-profile)# dhcp-options82 Type: Privileged		Enables the DHCP Options 82.
ruckus(config-ttg-pdg-profile)# dhcp-relay Type: Privileged		Enables the DHCP relay.
ruckus(config-ttg-pdg-profile)# dhcp-server1 Type: Privileged	<ip>	Enables the DHCP server 1.
ruckus(config-ttg-pdg-profile)# dhcp-server2 Type: Privileged	<ip>	Enables the DHCP server 2.
ruckus(config-ttg-pdg-profile)# do Type: Privileged		Executes the do command.
ruckus(config-ttg-pdg-profile)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-ttg-pdg-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ttg-pdg-profile)# help Type: Privileged		Displays the help.

Table 128. Commands related to (config-ttg-pdg-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile)# no Type: Privileged	apn apn-oi dhcp-options82 dhcp-relay dhcp-server2 realm <realm> relay-both	Deletes forwarding policies for APN or default APNs for realm.
ruckus(config-ttg-pdg-profile)# pdgue-idle-timeout Type: Privileged	<seconds>	Sets the PDG user equipment session idle timeout.
ruckus(config-ttg-pdg-profile)# realm Type: Privileged		Creates or updates the default APN for realm.
ruckus(config-ttg-pdg-profile)# relay-both Type: Privileged		Enables in sending the DHCP request to both the servers simultaneously.

[Table 129](#) lists the related ttg-pdg-profile-apn configuration commands.

Table 129. Commands related to (config-ttg-pdg-profile-apn)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile- apn)# do Type: Privileged		Executes the do command.
ruckus(config-ttg-pdg-profile- apn)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-ttg-pdg-profile- apn)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ttg-pdg-profile- apn)# help Type: Privileged		Displays the help.



Table 129. Commands related to (config-ttg-pdg-profile-apn

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile-apn)# route-type Type: Privileged	[ pdg   gtpv2   gtpv1 ]]	Sets the route type.

[Table 130](#) lists the related config-ttg-pdg-profile-dhcp-option82 configuration commands.

Table 130. Commands related to ruckus(config-config-ttg-pdg-profile-dhcp-option82) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile-dhcp-option82)# do Type: Privileged		Executes the do command.
ruckus(config-ttg-pdg-profile-dhcp-option82)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-ttg-pdg-profile-dhcp-option82)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-ttg-pdg-profile-dhcp-option82)# help Type: Privileged		Displays the help.
ruckus(config-ttg-pdg-profile-dhcp-option82)# no Type: Privileged	subopt1 subopt150 subopt151 subopt2	Disables various options
ruckus(config-ttg-pdg-profile-dhcp-option82)# subopt1 Type: Privileged	[ ap-info   ap-ssid   ap-mac ]	Enables subopt-1
ruckus(config-ttg-pdg-profile-dhcp-option82)# subopt150 Type: Privileged		Enables subopt-150

Table 130. Commands related to ruckus(config-config-ttg-pdg-profile-dhcp-option82) configuration

Syntax and Type	Parameters (if any)	Description
ruckus(config-ttg-pdg-profile-dhcp-option82)# subtopt151 Type: Privileged	essid area-name <name>	Enables subopt-151
ruckus(config-ttg-pdg-profile-dhcp-option82)# subtopt2 Type: Privileged	[ ap-ssid   ue-ssid   ue-mac   ap-mac ]	Enables subopt-2

# user-agent-blacklist

To create and update the user agent blacklisted configuration, use the following command.

**ruckus(config)# user-agent-blacklist <name>**

## Syntax Description

This command uses the following syntax:

name: Name of the user agent blacklisted

## Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# user-agent-blacklist user-agent-blacklist
ruckus(config-user-agent-blacklist)#
```

## Related Commands

[Table 131](#) lists the related user-agent-blacklist configuration commands.

Table 131. Commands related to ruckus(config-user-agent-blacklist)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-agent-blacklist)# do Type: Privileged		Sets the do command.
ruckus(config-user-agent-blacklist)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-user-agent-blacklist)# error Type: Privileged	<error>	Sets the error code between 400 and 599.
ruckus(config-user-agent-blacklist)# error-message Type: Privileged	<error message>	Sets the error message.

Table 131. Commands related to ruckus(config-user-agent-blacklist)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-agent-blacklist)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-user-agent-blacklist)# help Type: Privileged		Displays the help.
ruckus(config-user-agent-blacklist)# name Type: Privileged	<name>	Sets the user agent name who is blacklisted.
ruckus(config-user-agent-blacklist)# pattern Type: Privileged	<pattern>	Sets the user agent pattern

## user-role

To create and update the user role configuration, use the following command.

**ruckus(config)# user-role <name>**

### Syntax Description

This command uses the following syntax:

name: Name of the user role

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# user-role user-role
ruckus(config-user-role)#
```

## Related Commands

Table 132 lists the related user-role configuration commands.

Table 132. Commands related to ruckus(config-user-role)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-role)# allow-wlan-type Type: Privileged	<all>: Allows Zero IT access to all WLANs  zones - Allows Zero IT access to all WLANs in the selected zones  <wlans>: Allows Zero IT access to selected WLANs	Sets the allowed resources.
ruckus(config-user-role)# description Type: Privileged	<description>	Sets the description.
ruckus(config-user-role)# do Type: Privileged		Sets the do command.
ruckus(config-user-role)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-user-role)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-user-role)# help Type: Privileged		Displays the help.
ruckus(config-user-role)# max-devices Type: Privileged	<number> - Allows max devices value  unlimited - Unlimited devices value	Sets the number for maximum devices allowed (1-10).
ruckus(config-user-role)# no Type: Privileged	description user-traffic-profile wlan zone	Disables the override on the specified settings.

Table 132. Commands related to ruckus(config-user-role)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-role)# user-traffic-profile Type: Privileged	<user-traffic-profile>	Sets the user traffic profile.
ruckus(config-user-role)# wlan Type: Privileged	<name>	Adds the WLAN server.
ruckus(config-user-role)# zone Type: Privileged	<name>	Adds the AP zone.

## user-traffic-profile

To create and update the user traffic profile configuration, use the following command.

```
ruckus(config)# user-traffic-profile <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the user traffic profile

### Default

This command has no default settings.

### Command Mode

Config

### Example

```
ruckus(config)# user-traffic-profile user-traffic-profile
ruckus(config-user-traffic-profile)#
```

### Related Commands

- [Table 133](#) lists the related user-traffic-profile configuration commands.
- [Table 134](#) lists the related user-traffic-profile-acl configuration commands.

[Table 133](#) lists the related user-traffic-profile configuration commands.

Table 133. Commands related to (config-user-traffic-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-traffic-profile)# acl Type: Privileged	\${value}	Sets the network access control list.
ruckus(config-user-traffic-profile)# default-action Type: Privileged	<default-action>	Sets the default action.
ruckus(config-user-traffic-profile)# description Type: Privileged	<description>	Sets the description.

Table 133. Commands related to (config-user-traffic-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-traffic-profile)# do Type: Privileged		Sets the do command.
ruckus(config-user-traffic-profile)# downlink Type: Privileged		Sets the downlink rate limit in mbps.
ruckus(config-user-traffic-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-user-traffic-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-user-traffic-profile)# help Type: Privileged		Displays the help.
ruckus(config-user-traffic-profile)# name Type: Privileged	<name>	Sets the number for maximum devices allowed.
ruckus(config-user-traffic-profile)# no Type: Privileged	acl downlink uplink	Disables various commands.
ruckus(config-user-traffic-profile)# uplink Type: Privileged		Sets the uplink rate limit in mbps.



Table 134 lists the related user-traffic-profile-acl configuration commands.

Table 134. Commands related to ruckus(config-user-traffic-profile-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-traffic-profile-acl)# action Type: Privileged	<allow>: Allows the traffic <block>: Blocks the traffic	Sets the handling action.
ruckus(config-user-traffic-profile-acl)# description Type: Privileged	<description>	Sets the description.
ruckus(config-user-traffic-profile-acl)# destination-ip Type: Privileged	network [ <Network Address> ] subnet-mask <subnet-mask>: Sets the destination subnet.  host [ <Host IP Address> ]: Sets the destination host.	Sets the destination IP address.
ruckus(config-user-traffic-profile-acl)# destination-port Type: Privileged	[ <Port Number> ]: Sets the destination port number range [ <Port Number> ] [ <Port Number> ]: Sets the destination port range	Sets the destination port number.
ruckus(config-user-traffic-profile-acl)# direction Type: Privileged	<direction - upstream>	Sets the traffic direction.
ruckus(config-user-traffic-profile-acl)# do Type: Privileged		Sets the do command.
ruckus(config-user-traffic-profile-acl)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-user-traffic-profile-acl)# exit Type: Privileged		Exits from the EXEC.

Table 134. Commands related to ruckus(config-user-traffic-profile-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-user-traffic-profile-acl)# help Type: Privileged		Displays the help.
ruckus(config-user-traffic-profile-acl)# protocol Type: Privileged	<protocol> Value should be in the range of 1 to 255	Sets the protocol.
ruckus(config-user-traffic-profile-acl)# source-ip Type: Privileged	network [ <Network Address> ] subnet-mask <subnet-mask>: Sets the destination subnet.  host [ <Host IP Address> ]; Sets the destination host.	Sets the source IP address.
ruckus(config-user-traffic-profile-acl)# source-port Type: Privileged	[ <Port Number> ]: Sets the destination port number  range [ <Port Number> ] [ <Port Number> ]: Sets the destination port range	Sets the source port number.

## zone

To create or update the AP zone configurations, use the following command.

**ruckus(config)# zone**

### Syntax Description

This command uses the following syntax:

`<name>`: AP zone name

`<name> template <name>`

`<name>`: AP zone name

template: Creates a AP zone from the template

`<name>`: Name of the zone template

`<name> clone <name>`

`<name>`: AP zone name

clone: Creates a clone AP zone from an existing AP zone

`<name>`: Name of the zone template

`<name> ap-firmware <ap-firmware>`

`<name>`: AP zone name

ap-firmware: Changes the AP firmware

`<ap-firmware>`: Version of the AP firmware

`<name> cluster-switch-over <name>`

`<name>`: AP zone name

cluster-switch-over: Enables the cluster switchover

`<name>`: Cluster redundancy name

`<name> template-apply <name>`

`<name>`: AP zone name

template-apply: Apply the zone template

`<name>`: Zone template name

`<name> trigger-prefer-node`

`<name>`: AP zone name

trigger-prefer-node: Apply the trigger preference for the node

### Default

This command has no default settings.

## Command Mode

Config

## Example

```
ruckus(config)# zone indus3-ap3
```

## Related Commands

- [Table 135](#) lists the related zone configuration commands.
- [Table 136](#) lists the related zone-aaa configuration commands.
- [Table 137](#) lists the related zone-ap-group configuration commands.
- [Table 139](#) lists the related zone-ap-group-ldp configuration commands.
- [Table 140](#) lists the related zone-ap-group-port-setting configuration commands.
- [Table 141](#) lists the commands related zone-ap-model configuration commands.
- [Table 142](#) lists the related zone-ap-model-lan1 configuration commands.
- [Table 145](#) lists the related zone-ap-registration-rule configuration commands.
- [Table 146](#) lists the related zone-bonjour-policy configuration commands.
- [Table 147](#) lists the related zone-bonjour-policy-rule configuration commands.
- [Table 148](#) lists the related zone-device-policy configuration commands.
- [Table 149](#) lists the related zone-device-policy-policy rule configuration commands.
- [Table 150](#) lists the related zone-diffserv configuration commands.
- [Table 151](#) lists the related zone-ethernet-port-profile configuration commands.
- [Table 152](#) lists the related zone-guest-access configuration commands.
- [Table 153](#) lists the related zone-hotspot configuration commands.
- [Table 154](#) lists the related zone-hotspot20-venue-profile configuration commands.
- [Table 155](#) lists the related zone-hotspot20-wlan-profile configuration commands.
- [Table 156](#) lists the related zone-hotspot20-wlan-profile-cust-connect-capabilities configuration commands.
- [Table 157](#) lists the related zone-l2-acl configuration commands.
- [Table 158](#) lists the related zone-vlan-pooling configuration commands.
- [Table 159](#) lists the related zone-web-authentication configuration commands.
- [Table 161](#) lists the related zone-wlan configuration commands.

- [Table 160](#) lists the related zone-wechat configuration commands.
- [Table 162](#) lists the related zone-wlan-qos-map configuration commands.
- [Table 163](#) lists the related zone-wlan-group configuration commands.
- [Table 164](#) lists the related zone-wlan-scheduler configuration commands.

[Table 135](#) lists the related zone configuration commands.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# aaa Type: Privileged	<name>	Creates or updates the AAA server configuration.
ruckus(config-zone)# adj-threshold Type: Privileged	2.4g \${value} 5g \${value} Value is minimum = 1 and maximum = 100	Sets the adjacent radio threshold of the client load balancing.
ruckus(config-zone)# ap-firmware Type: Privileged	<ap-firmware>	Sets the AP firmware version.
ruckus(config-zone)# ap-group Type: Privileged	<name>	Creates or updates the AP group configuration.
ruckus(config-zone)# ap-ip-mode Type: Privileged	[ ipv4   ipv6   dual]	Sets the AP IP mode to either IPv4 or IPv6 version.
ruckus(config-zone)# ap-logon Type: Privileged	<logon-id>	Sets the login ID for the AP administrator.-
ruckus(config-zone)# ap-mgmt-vlan Type: Privileged	<vlanTag>: VLAN Tag (1-4094); enter 'keep'to keep APs setting	Sets AP management VLAN.
ruckus(config-zone)# ap-model Type: Privileged	<name>	Sets the AP model name.
ruckus(config-zone)# ap-password Type: Privileged		Sets the password for the AP administrator.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# ap-reboot-timeout Type: Privileged	default-gateway [ <hours and minutes> ] default-gateway: Sets the default gateway timeout in hours and minutes. control-interface <hours> Sets the control interface timeout in hours.	Sets the AP reboot timeout.
ruckus(config-zone)# ap-registration-rule Type: Privileged	<priority>	Creates or updates the AP registration rule configuration.
ruckus(config-zone)# ap-snmp-options Type: Privileged		Sets the AP SNMP options.
ruckus(config-zone)# background-scan Type: Privileged	2.4g <seconds> 5g <seconds>	Sets the background scanning.
ruckus(config-zone)# band-balancing Type: Privileged	2.4g <int> 2.4g 2.4G band <int>: Percentage of clients on 2.4G band	Sets the band balance.
ruckus(config-zone)# bonjour-gateway Type: Privileged		Enables the bonjour gateway.
ruckus(config-zone)# bonjour-policy Type: Privileged	<name>	Creates or updates the bonjour policy.
ruckus(config-zone)# channel Type: Privileged	2.4g <channel> 5g indoor <channel> 5g outdoor <channel>	Sets the channel.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# channel-evaluation-interval Type: Privileged		Sets the channel evaluation interval.
ruckus(config-zone)# channel-range Type: Privileged	<ul style="list-style-type: none"> <li>• 2.4g [ &lt;channels   all&gt; ] 2.4g: 2.4 GHz radio &lt;channels   all&gt;: Channels (ex: 1,2,3,4,5 or all)</li> <li>• 5g indoor [ &lt;channels   all&gt; ] 5g: 5 GHz radio indoor: indoor &lt;channels   all&gt;: Channels (ex: 36,40,44 or all)</li> <li>• 5g outdoor [ &lt;channels   all&gt; ] 5g: 5 GHz radio outdoor: outdoor &lt;channels   all&gt;: Channels (ex: 149,153,161 or all)</li> </ul>	Sets the channel range.
ruckus(config-zone)# channel-select-mode Type: Privileged		Selects the channel.
ruckus(config-zone)# channelfly-mtbc Type: Privileged	<ul style="list-style-type: none"> <li>• 2.4g &lt;number&gt; 2.4g: 2.4 GHz radio &lt;number&gt;: MTBC value (Range: 100~1440)</li> <li>• 5g &lt;number&gt; 5g: 5 GHz radio &lt;number&gt;:MTBC value (Range: 100~1440)</li> </ul>	Sets MTBC value of ChannelFly.
ruckus(config-zone)# channelization Type: Privileged	2.4g [ 20   40 ] 5g [ 40   20 ]	Sets the channelization.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# client-admission-control Type: Privileged	2.4g 5g 2.4g minClientCount <minClientCount> 2.4g maxRadioLoad <maxRadioLoad> 2.4g minClientThroughput <minClientThroughput>5g minClientCount <minClientCount> 5g maxRadioLoad <maxRadioLoad> 5g minClientThroughput <minClientThroughput>	Enables the client admission control.
ruckus(config-zone)# country-code Type: Privileged	<country-code>	Sets the country code.
ruckus(config-zone)# description Type: Privileged	<text>	Sets the description,
ruckus(config-zone)# device-policy Type: Privileged	<name>	Sets the device policy.
ruckus(config-zone)# dfs-channel Type: Privileged		Sets the DFS channels for the US country code.
ruckus(config-zone)# diffserv Type: Privileged	<name>	Creates or updates the diff server profile.
ruckus(config-zone)# do Type: Privileged		Executes the do command.
ruckus(config-zone)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.



Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone)# ethernet-port-profile Type: Privileged	<name>: Ethernet Port Profile name	Sets the Ethernet Port profile.
ruckus(config-zone)# gps Type: Privileged	<latitude> <longitude>	Displays the help.
ruckus(config-zone)# guest-access Type: Privileged	<name>	Sets the guest access.
ruckus(config-zone)# help Type: Privileged		Sets the GPS coordinates.
ruckus(config-zone)# headroom	2.4g <client> 5g <client> 2.4g: 2.4 GHz radio 5g: 5 GHz radio <client>: Number of clients	Sets the headroom (# of clients) of client load balancing. You need to access the load-balancing sub-menu first for this command to work.
ruckus(config-zone)# load-balancing Type: Privileged	2.4g: 2.4 GHz radio 5g: 5 GHz radio	Sets client load balancing
ruckus(config-zone)# hotspot Type: Privileged	<name>	Creates or updates the hotspot (WISPr) configuration.
ruckus(config-zone)# hotspot20-venue-profile Type: Privileged	<name>	Creates or updates the venue profile for hotspot release 2 configuration.
ruckus(config-zone)# hotspot20-wlan-profile Type: Privileged	<name>	Creates or updates the WLAN profile for hotspot release 2 configuration.
ruckus(config-zone)# indoor-channel Type: Privileged		Enables the indoor channels.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# ipsec-tunnel-profile Type: Privileged	\$<ipsec-profile-name>	Sets the IPsec Tunnel profile.
ruckus(config-zone)# l2-acl Type: Privileged	<name>	Sets the layer 2 access control list.
ruckus(config-zone)# lbs Type: Privileged		Enables the location based service.
ruckus(config-zone)# lbs-service Type: Privileged		Sets the location based service.
ruckus(config-zone)# location Type: Privileged		Sets the location.
ruckus(config-zone)# location-additional-info Type: Privileged	<text>	Sets the additional information location.
ruckus(config-zone)# mesh Type: Privileged		Enables mesh networking.
ruckus(config-zone)# mesh-name Type: Privileged	<name>	Sets the mesh name (ESSID).
ruckus(config-zone)# mesh-passphrase Type: Privileged	<mesh-passphrase>	Sets the mesh passphrase.
ruckus(config-zone)# move Type: Privileged	domain <name>	Moves the zone to another domain.
ruckus(config-zone)# name Type: Privileged	<name>	Sets the AP zone name.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# no Type: Privileged	aaa <name> ap-group <name> ap-registration-rule <priority> background-scan <2.4g> <5g> band-balancing bonjour-gateway bonjour-policy client-admission-control <2.4g> <5g> channel-select-mode client-admission-control dfs-channel ethernet-port-profile usb-software wechat	Disables and deletes command configuration.  .....continued

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# no Type: Privileged	description device-policy diffserv gps guest-access hotspot <name> hotspot20-venue-profile <name> hotspot20-wlan-profile <name> indoor-channel l2-acl lbs load-balancing location location-additional-info mesh roam smart-mon smart-roam-disconnect- event syslog-enabled timezone-dst venue-profile vlan-overlapping vlan-pooling web-authentication wlan <name> wlan-group <name> wlan-scheduler <name>	Disables and deletes command configuration.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# node-affinity-profile Type: Privileged	<profile-name>	Sets the node affinity profile
ruckus(config-zone)# roam Type: Privileged	2.4g 5g	Sets the smart roam
ruckus(config-zone)# rogue-ap-detection Type: Privileged	enable   disable ] - Enables or disables malicious rogue devices which have same network report-all [ disable   enable ] : Sets to report all rogue devices  report-only-malicious [ enable   disable ] - Reports only malicious rogue device type.  report-ssid-spoofing [ disable   enable ] - Reports only malicious rogue devices of SSID spoofing.	Sets the report rogue access point.           .....continue

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# rogue-ap-detection Type: Privileged	report-same-network [ enable   disable ] - Reports only malicious rogue devices of the same network. report-mac-spoofing [ disable   enable ] - Enables or disables malicious rogue devices which have MAC IP address spoofing protect-from-malicious [ disable   enable ] - Enables or disables the network from malicious rogue access points	Sets the report rogue access point.
ruckus(config-zone)# smart-mon Type: Privileged	interval <between 5-60> threshold <between 1-10	Sets the smart monitor interval.
ruckus(config-zone)# smart-roam-disconnect-event Type: Privileged		Enables smart roam disconnect event.
ruckus(config-zone)# syslog-enabled Type: Privileged		Enables the external syslog server for APs in this zone.
ruckus(config-zone)# syslog-facility Type: Privileged	[ Local6   Keep Original   Local0   Local5   Local7   Local1   Local4   Local3   Local2 ]	Sets the syslog server facility,
ruckus(config-zone)# syslog-ip Type: Privileged	<ip>	Sets the syslog server IP address.
ruckus(config-zone)# syslog-ip6 Type: Privileged	<ipv6>	Sets the IPv6 address for the syslog server.
ruckus(config-zone)# syslog-port Type: Privileged	<port>	Sets the syslog server port.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# syslog-priority Type: Privileged	[Alert   Info   Critical   Warning   Notice   Emergency   All   Error ]	Sets the syslog server priority.
ruckus(config-zone)# timezone Type: Privileged	System - Follows the controller time zone setting System [ <time zone> ] Select the time zone from system database User-defined [ <time zone abbr.> ] User defined time zone Time zone abbreviation (example: GMT, CST, EST)	Sets the timezone for zone.
ruckus(config-zone)# timezone-dst Type: Privileged	[ <Start   End> ] <order> <weekday> <month> <hour>	Sets the user defined timezone for daylight savings.
ruckus(config-zone)# timezone-gmt-offset Type: Privileged	[ <hour   hour: minute>] For example, 8, -7:45	Sets the user defined timezone for GMT offset.
ruckus(config-zone)# tunnel-profile Type: Privileged	<profile-name>	Sets the AP GRE tunnel profile.
ruckus(config-zone)# tunnel-type Type: Privileged	[ gre   gre-udp ]	Sets the tunnel type.
ruckus(config-zone)# tx-power Type: Privileged	2.4g \${value} 5g \${value} Value is minimum = 1 and maximum = 100	Sets the TX power adjustment.

Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# usb-software Type: Privileged	upload<ftp-uri> <ul style="list-style-type: none"> <li>upload: Upload AP USB Software Package</li> <li>&lt;ftp-uri&gt;: AP USB Software Package file, FTP URL Format: ftp://&lt;username&gt;:&lt;password&gt;@&lt;ip&gt;/&lt;file-path&gt;</li> </ul>	Sets the AP USB software package.
ruckus(config-zone)# venue-profile Type: Privileged	<name>	Sets the venue profile.
ruckus(config-zone)# vlan-overlapping Type: Privileged		Enables the overlapping of VLAN pooling.
ruckus(config-zone)# vlan-pooling Type: Privileged	<name>	Creates or updates the VLAN pooling profile.
ruckus(config-zone)# weak-bypass Type: Privileged	2.4g \${threshold} 5g \${threshold} Value is minimum = 1 and maximum = 100	Sets the weak bypass threshold of the client load balancing.
ruckus(config-zone)# web-authentication Type: Privileged	<name>	Sets the web authentication.
ruckus(config-zone)# wechat Type: Privileged	<name>: WeChat name	Creates/updates WeChat configuration.
ruckus(config-zone)# wlan Type: Privileged	<name>	Creates or updates the WLAN configuration.
ruckus(config-zone)# wlan-group Type: Privileged	<name>	Creates or updates the WLAN group configuration.



Table 135. Commands related to ruckus(config-zone)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone)# wlan-scheduler Type: Privileged	<name>	Creates or updates the WLAN scheduler configuration.

Table 136 lists the related zone-aaa configuration commands.

Table 136. Commands related ruckus(config-zone-aaa).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-aaa)# admin-domain Type: Privileged	<admin-domain>: Admin domain name, example: admin@domain.ruckuswireless.com	Enables the admin domain name.
ruckus(config-zone-aaa)# admin-domain-name Type: Privileged	<admin-domain> - Admin domain name, To query multiple organizational units, enter an admin domain name and - password with full search and read privileges.(example: uid=admin,dc=ldap,dc=com)	Creates or updates the admin domain.
ruckus(config-zone-aaa)# admin-password Type: Privileged	<admin-password>	Creates or updates the admin password.
ruckus(config-zone-aaa)# backup Type: Privileged	ip <ip> ipv6 <ipv6> port <port> shared-secret <shared-secret>	Enables backup of RADIUS support and set related settings.
ruckus(config-zone-aaa)# base-domain Type: Privileged	<base-domain>	Set the base domain.
ruckus(config-zone-aaa)# description Type: Privileged	<description>	Sets the description.
ruckus(config-zone-aaa)# do Type: Privileged		Executes the do command.

Table 136. Commands related ruckus(config-zone-aaa).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-aaa)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-aaa)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-aaa)# global-catalog Type: Privileged		Enables the global catalog support.
ruckus(config-zone-aaa)# help Type: Privileged		Displays the help.
ruckus(config-zone-aaa)# ip Type: Privileged	<ip>	Set IP addresses of primary RADIUS server.
ruckus(config-zone-aaa)# ipv6 Type: Privileged	<ipv6>	Set IPv6 addresses of primary RADIUS server.
ruckus(config-zone-aaa)# key-attribute Type: Privileged	<key-attribute>	Sets the key attributes for the primary RADIUS server.
ruckus(config-zone-aaa)# no Type: Privileged	backup global-catalog	Disables or deletes configuration settings.
ruckus(config-zone-aaa)# password Type: Privileged	<password>	Sets the password for the primary RADIUS server.
ruckus(config-zone-aaa)# port Type: Privileged	<port>	Sets the port number of the primary RADIUS server.
ruckus(config-zone-aaa)# search-filter Type: Privileged	<search-filter>	Sets the search filter.
ruckus(config-zone-aaa)# shared-secret Type: Privileged	<shared-secret>	Sets the shared secret of the primary RADIUS server.

Table 136. Commands related ruckus(config-zone-aaa).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-aaa)# test Type: Privileged	<username> <password> [PAP   CHAP]	Tests the connectivity of the AAA server using protocol settings.
ruckus(config-zone-aaa)# type Type: Privileged	[ radius   radius-acct   LDAP   AD ]	Sets the RADIUS type.
ruckus(config-zone-aaa)# windows-domain Type: Privileged	<windows-domain>	Sets the windows domain name.

[Table 137](#) lists the related zone-ap-group configuration commands.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# ap-snmpp-options Type: Privileged		Enables AP SNMP options.
ruckus(config-zone-ap-group)# channel Type: Privileged	2.4g \${value} 5g indoor \${value} 5g outdoor \${value}	Sets the channel.
ruckus(config-zone-ap-group)# channel-evaluation-interval Type: Privileged	<seconds> The interval value (Range: 60~3600 secs)	Sets the channel evaluation interval.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# channel-range Type: Privileged	<ul style="list-style-type: none"> <li>2.4g [ &lt;channels   all&gt; ]</li> </ul> 2.4g: 2.4 GHz radio <channels   all>: Channels (ex: 1,2,3,4,5 or all) <ul style="list-style-type: none"> <li>5g indoor [ &lt;channels   all&gt; ]</li> </ul> 5g: 5 GHz radio indoor: indoor <channels   all>: Channels (ex: 36,40,44 or all) <ul style="list-style-type: none"> <li>5g outdoor [ &lt;channels   all&gt; ]</li> </ul> 5g: 5 GHz radio outdoor: outdoor <channels   all>: Channels (ex: 149,153,161 or all)	Sets the channel range.
ruckus(config-zone-ap-group)# channel-select-mode Type: Privileged		Selects the channel.
ruckus(config-zone-ap-group)# channelfly-mtbc Type: Privileged	<ul style="list-style-type: none"> <li>2.4g &lt;number&gt;</li> </ul> 2.4g: 2.4 GHz radio <number>:MTBC value (Range: 100~1440) <ul style="list-style-type: none"> <li>5g &lt;number&gt;</li> </ul> 5g: 5 GHz radio <number>:MTBC value (Range: 100~1440)	Sets MTBC value of ChannelFly.
ruckus(config-zone-ap-group)# channelization Type: Privileged	2.4g [ 20   40 ] 5g [ 40   20 ]	Sets the channelization.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# client-admission-control Type: Privileged	2.4g 5g 2.4g minClientCount <minClientCount> Min Client Count (Default: 10) 2.4g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%)	Enables the client admission control.  .....continued
ruckus(config-zone-ap-group)# client-admission-control Type: Privileged	2.4g minClientThroughput <minClientThroughput> Min Client Throughput (Default: 0.0Mbps) 5g minClientCount <minClientCount> Min Client Count (Default: 20) 5g maxRadioLoad <maxRadioLoad> Max Radio Load (Default: 75%) 5g minClientThroughput <minClientThroughput> Min Client Throughput (Default: 0.0Mbps)	Enables the client admission control.
ruckus(config-zone-ap-group)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-ap-group)# do Type: Privileged		Executes the do command.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-ap-group)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-group)# external-antenna Type: Privileged	<ap-model> 5g [ disable   enable ] <ap-model> 5g gain <gain> <ap-model> 2.4g gain <gain> <ap-model> 2.4g [ enable   disable ] <ap-model> gain <gain> <ap-model> [ disable   enable ] <ap-model> 2.4g [ 3-antennas   2-antennas ] <ap-model> 5g [ 3-antennas   2-antennas ]	Sets the external antenna for specific AP model.
ruckus(config-zone-ap-group)# gps Type: Privileged	<latitude> <longitude>	Displays the help.
ruckus(config-zone-ap-group)# help Type: Privileged		Displays the help.
ruckus(config-zone-ap-group)# internal-heater Type: Privileged	<ap-model> [ enable   disable ]	Sets the internal heater for specific AP model.
ruckus(config-zone-ap-group)# lbs Type: Privileged		Enables the location based service.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# lbs-service Type: Privileged		Sets the location based service.
ruckus(config-zone-ap-group)# led-mode Type: Privileged	<ap-model>	Sets the LED mode for specific AP model.
ruckus(config-zone-ap-group)# lldp Type: Privileged	<ap-model> [ enable   disable ]	Sets the LLDP for a specific AP model.
ruckus(config-zone-ap-group)# location Type: Privileged		Sets the location.
ruckus(config-zone-ap-group)# location-additional-info Type: Privileged	<text>	Sets the additional information location.
ruckus(config-zone-ap-group)# member Type: Privileged	add <ap-mac> move-to <apgroup-name> <ap-mac> remove <mac>	Sets the AP group member. It adds a new access point to current AP group. The AP Mac address removes the access point from the current AP group and moves it to other AP group.





Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# no Type: Privileged	override-zone-location override-zone-location- additional-info override-ap-mgmt-vlan override-ap-snmp- options override-channel-select- mode override-client- admission-control override-lbs poe-operating-mode poe-out port-setting radio-band status-leds tx-power 2.4g tx-power 5g usb-port usb-software venue-profile wlan-group 2.4g wlan-group 5g	Disables / deletes the configuration settings.
ruckus(config-zone-ap-group)# override-ap-mgmt-vlan Type: Privileged	<vlanTag>: VLAN tag	Overrides the AP Management VLAN.
ruckus(config-zone-ap-group)# override-ap-snmp-options Type: Privileged		Overrides the AP SNMP options.
ruckus(config-zone-ap-group)# override-channel-select-mode Type: Privileged	2.4g 5g	Overrides auto channel selection mode and ChannelFly MTBC.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# override-client-admission-control Type: Privileged	2.4g 5g	Overrides the client admission control settings.
ruckus(config-zone-ap-group)# override-lbs Type: Privileged		Overrides the location based service to zone settings.
ruckus(config-zone-ap-group)# override-zone-location Type: Privileged		Overrides the zone location setting.
ruckus(config-zone-ap-group)# override-zone-location-additional-info Type: Privileged		Overrides the zone location additional information setting
ruckus(config-zone-ap-group)# poe-operating-mode Type: Privileged	<ap-model>: AP model name	Switch the PoE Operating Mode for a specific AP model.
ruckus(config-zone-ap-group)# poe-out Type: Privileged	<ap-model> [ enable   disable ]	Sets the PoE out port for a specific AP model.
ruckus(config-zone-ap-group)# port-setting Type: Privileged	<ap-model>	Sets the port settings for specific AP model.
ruckus(config-zone-ap-group)# radio-band Type: Privileged	<ap-model> [ 2.4g   5g ]	Switches the radio band for a specific AP model.
ruckus(config-zone-ap-group)# status-leds Type: Privileged	<ap-model> [ enable   disable ]	Sets the status LED for specific AP model.
ruckus(config-zone-ap-group)# tx-power Type: Privileged	2.4g \${value} 5g \${value}	Sets the TX power adjustment.

Table 137. Commands related to ruckus(config-zone-ap-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# usb-port Type: Privileged	<ap-model> [ enable   disable ]	Enables USB port.
ruckus(config-zone-ap-group)# usb-software Type: Privileged	<ap-model> <name>	Sets the AP USB software package for a specific AP model.
ruckus(config-zone-ap-group)# venue-profile Type: Privileged	<name>	Sets the venue profile
ruckus(config-zone-ap-group)# wlan-group Type: Privileged	2.4g 5g	Sets the WLAN group configurations.

[Table 138](#) lists the related zone-ap-group-lldp configuration commands.

Table 138. Commands related to ruckus(config-zone-ap-group-lldp configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group- lldp)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-group- lldp)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-zone-ap-group- lldp)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-group- lldp)# help Type: Privileged		Displays the help.
ruckus(config-zone-ap-group- lldp)# lldp-ad-interval Type: Privileged	<seconds>	Sets the LLDP advertise interval in seconds from the range 1 to 300.

Table 138. Commands related to ruckus(config-zone-ap-group-lldp configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group- lldp)# lldp-hold-time Type: Privileged	<seconds>	Sets the LLDP hold time in seconds from the range 60 to 1200.
ruckus(config-zone-ap-group- lldp)# lldp-mgmt Type: Privileged		Enables the LLDP management IP TLV.

[Table 139](#) lists the related zone-ap-group-ap-snmp-options configuration commands.

Table 139. Commands related to ruckus (zone-ap-group-ap-snmp-options configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group- ap-snmp-options)# ap-snmp Type: Privileged		Enables AP SNMP.
ruckus(config-zone-ap-group- ap-snmp-options)# no Type: Privileged	snmp-v2-community snmp-v3-user	Disables and deletes commands.
ruckus(config-zone-ap-group- ap-snmp-options)# snmp-v2- community Type: Privileged		Adds or update AP SNMPv2 community.
ruckus(config-zone-ap-group- ap-snmp-options)# snmp-v3- user Type: Privileged		Adds or updates AP SNMPv3 users.

[Table 140](#) lists the related zone-ap-group-port-setting configuration commands.

Table 140. Commands related to ruckus(config-zone-ap-group-port-setting)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group-port-setting)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-group-port-setting)# dot1x Type: Privileged	authsvr [ <Authenticator Server Name> ]  accsvr <name>  mac-auth-bypass [ true   false ]  supplicant user-name [ <user name> password <password> ]  supplicant mac	Sets the 802.1x role
ruckus(config-zone-ap-group-port-setting)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-zone-ap-group-port-setting)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-group-port-setting)# help Type: Privileged		Displays the help.

Table 140. Commands related to ruckus(config-zone-ap-group-port-setting)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group-port-setting)# lan Type: Privileged	<port>  <port> uplink [ general   access   trunk ]  <port> untag <vlan> <port> member <vlan-members>  <port> dot1x [ auth-mac-based   disabled   auth-port-based   supplicant ]	Enables or disable specific port.
ruckus(config-zone-ap-group-port-setting)# no Type: Privileged	dot1x accsvr lan <port>	Disables or deletes the configuration settings.

[Table 141](#) lists the commands related zone-ap-model configuration commands.

Table 141. Commands related to ruckus(config-zone-ap-model) configuration commands

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-model)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-zone-ap-model)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-model)# help Type: Privileged		Displays the help.

Table 141. Commands related to ruckus(config-zone-ap-model) configuration commands

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model)# ext-ant Type: Privileged	2.4g <number> 2.4gg <number> [ 3   2 ] 5g <number> 5gg <number> [ 2   3 ]	Sets the external antenna.
ruckus(config-zone-ap-model)# internal-heater Type: Privileged		Enables international heater.
ruckus(config-zone-ap-model)# lan1 ruckus(config-zone-ap-model)# lan2 ruckus(config-zone-ap-model)# lan3 ruckus(config-zone-ap-model)# lan4 ruckus(config-zone-ap-model)# lan5  Type: Privileged		Sets the LAN configurations from 1 to 5.
ruckus(config-zone-ap-model)# led Type: Privileged		Enables the status of led.
ruckus(config-zone-ap-model)# led-mode Type: Privileged		Sets the led mode description
ruckus(config-zone-ap-model)# lldp Type: Privileged		Enables the Link Layer Discovery Protocol (LLDP).
ruckus(config-zone-ap-model)# lldp-ad-interval Type: Privileged	<seconds>	Sets the LLDP advertise interval.



Table 141. Commands related to ruckus(config-zone-ap-model) configuration commands

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model)# lldp-hold-time Type: Privileged	<seconds>	Sets the LLDP hold time.
ruckus(config-zone-ap-model)# lldp-mgmt Type: Privileged		Enables the LLDP management IP TLV.
ruckus(config-zone-ap-model)# no Type: Privileged	ext-ant internal-heater lan1 lan2 lan3 lan4 lan5 led lldp lldp-mgmt poe-operating-mode poe-out-port radio-band usb usb-software	Disables or deletes the settings that have been configured.
ruckus(config-zone-ap-model)# poe-operating-mode Type: Privileged	\${value}	Switch PoE mode.
ruckus(config-zone-ap-model)# poe-out-port Type: Privileged		Enables the PoE out port
ruckus(config-zone-ap-model)# radio-band Type: Privileged	\${value}	Switches the radio band.

Table 141. Commands related to ruckus(config-zone-ap-model) configuration commands

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model)# usb Type: Privileged	<ap-model> [ enable   disable]	Sets the USB port for a specific AP model.
ruckus(config-zone-ap-model)# usb-software Type: Privileged	<ap-model> [ enable   disable]	Sets the AP USB software package.

Table 142 lists the related zone-ap-model-lan1 configuration commands.

Table 142. Commands related to ruckus(config-zone-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model-lan1)# 8021x Type: Privileged	<8021x-type>	Sets the 802.1x.
ruckus(config-zone-ap-model-lan1)# acct-service Type: Privileged	<acct-service>	Sets the accounting service configurations.
ruckus(config-zone-ap-model-lan1)# auth-service Type: Privileged	<auth-service>	Sets the authentication service configurations.
ruckus(config-zone-ap-model-lan1)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-model-lan1)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-ap-model-lan1)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-model-lan1)# help Type: Privileged		Displays the help.
ruckus(config-zone-ap-model-lan1)# mac-bypass Type: Privileged		Sets the MAC authentication bypass.
ruckus(config-zone-ap-model-lan1)# members Type: Privileged	<members>	Sets the members.
ruckus(config-zone-ap-model-lan1)# no Type: Privileged	acct-service mac-bypass	Disables or deletes the settings that have been configured.

Table 142. Commands related to ruckus(config-zone-ap-model-lan1)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-model-lan1)# profile Type: Privileged	<profile>: Ethernet port profile.	Sets the Ethernet port profile.
ruckus(config-zone-ap-model-lan1)# supplicant Type: Privileged	mac custom <username> <password>	Sets the supplicant.
ruckus(config-zone-ap-model-lan1)# type Type: Privileged	[ trunk-port   access-port   general-port ]	Sets the port type.
ruckus(config-zone-ap-model-lan1)# vlan-untag-id Type: Privileged	<vlan-untag-id>	Sets the VLAN untag ID.

[Table 143](#) lists the related zone-ap-snmp-options configuration commands.

Table 143. Commands related to ruckus(config-zone-ap-snmp-options configuration)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-snmp-options)# ap-snmp Type: Privileged		Enables AP SNMP.
ruckus(config-zone-ap-snmp-options)# no Type: Privileged	snmp-v2-community <name> snmp-v3-user <name>	Disables the settings that have been configured with these commands.
ruckus(config-zone-ap-snmp-options)# snmp-v2-community Type: Privileged	<name>	Adds or updates the AP SNMPv2 community.
ruckus(config-zone-ap-snmp-options) # snmp-v3-user Type: Privileged	<name>	Adds or updates the AP SNMPv3 user.

Table 144 lists the related zone-ap-snmp-options-snmp-v2-community configuration commands.

Table 144. Commands related to ruckus(config-zone-ap-snmp-options-snmp-v2-community configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# no Type: Privileged	snmp-v2-community <name> snmp-v3-user <name>	Disables the settings that have been configured with these commands.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# read Type: Privileged		Enable the read privilege.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# write Type: Privileged		Enable the write privilege.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# notification Type: Privileged		Enable notification privilege.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# notification-target Type: Privileged		Enables notification target configuration commands.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# notification-type Type: Privileged		Sets the notification type.

Table 145 lists the related config-zone-ap-snmp-options-snmp-v3-user configuration commands.

Table 145. Commands related to ruckus(config-zone-ap-snmp-options-snmp-v3-user configuration).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# auth Type: Privileged		Sets SNMPv3 user authentication.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# no Type: Privileged	snmp-v3-user <name>	Disables the settings that have been configured with these commands.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# read Type: Privileged		Enable the read privilege.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# write Type: Privileged		Enable the write privilege.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# notification Type: Privileged		Enable notification privilege.

Table 146 lists the related zone-bonjour-policy configuration commands.

Table 146. Commands related to ruckus(config-zone-bonjour-policy)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-bonjour-policy)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-bonjour-policy)# do Type: Privileged		Executes the do command.
ruckus(config-zone-bonjour-policy)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.

Table 146. Commands related to ruckus(config-zone-bonjour-policy)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-bonjour-policy)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-bonjour-policy)# help Type: Privileged		Displays the help.
ruckus(config-zone-bonjour-policy)# name Type: Privileged	<name>	Sets the bonjour policy name.
ruckus(config-zone-bonjour-policy)# no rule Type: Privileged	<priority>	Deletes the rules based on the rule priority.
ruckus(config-zone-bonjour-policy)# rule Type: Privileged	<priority>	Sets the bonjour policy set of rules based on the rule priority.

Table 147 lists the related zone-bonjour-policy-rule configuration commands.

Table 147. Commands related to ruckus(config-zone-bonjour-policy-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-bonjour-policy-rule)# bridge-service Type: Privileged	airdisk airplay airport-management airprint airtunes apple-file-sharing apple-mobile-devices (Allows sync with iTunes over Wi-Fi) appletv icloud-sync itunes-remote itunes-sharing open-directory-master optical-disk-sharing other screen-sharing secure-file-sharing secure-shell workgroup-manager www-http www-https xgrid	Sets the bridge service.
ruckus(config-zone-bonjour-policy-rule)# do Type: Privileged		Executes the do command.
ruckus(config-zone-bonjour-policy-rule)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.



Table 147. Commands related to ruckus(config-zone-bonjour-policy-rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-bonjour-policy-rule)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-bonjour-policy-rule)# from-vlan Type: Privileged	<int>	Sets the from VLAN.
ruckus(config-zone-bonjour-policy-rule)# help Type: Privileged		Exits from the EXEC.
ruckus(config-zone-bonjour-policy-rule)# notes Type: Privileged	<text>	Sets the notes.
ruckus(config-zone-bonjour-policy-rule)# protocol Type: Privileged		Sets the bridge service when it is 'other'.
ruckus(config-zone-bonjour-policy-rule)# to-vlan Type: Privileged	<int>	Sets the VLAN.

Table 148 lists the related zone-device-policy configuration commands

Table 148. Commands related to ruckus(config-zone-device-policy).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-device-policy)# default-action Type: Privileged	[ allow   block ]	Sets the default action to either allow or block.
ruckus(config-zone-device-policy)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-device-policy)# do Type: Privileged		Executes the do command.
ruckus(config-zone-device-policy)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-device-policy)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-device-policy)# help Type: Privileged		Displays the help.
ruckus(config-zone-device-policy)# no policy-rule Type: Privileged	[ <device type> ]	Deletes the device policy rules.
ruckus(config-zone-device-policy)# policy-rule Type: Privileged		Sets the device policy.

Table 149 lists the related zone-device-policy-policy-rule configuration commands.

Table 149. Commands related to ruckus (config-zone-device-policy-policy rule).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-device-policy-policy-rule)# action Type: Privileged	[ allow   block ]	Sets the default action to either allow or block.
ruckus(config-zone-device-policy-policy-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-device-policy-policy-rule)# downlink Type: Privileged	[ <Rate Limiting> ] Rate limiting (mbps)	Sets the downlink rate limiting.
ruckus(config-zone-device-policy-policy-rule)# no vlan Type: Privileged		Resets the VLAN number.
ruckus(config-zone-device-policy-policy-rule)# type Type: Privileged	[ <Device Type> ]	Sets the device type.
ruckus(config-zone-device-policy-policy-rule)# uplink Type: Privileged	[ <Rate Limiting> ] Rate limiting (mbps)	Sets the uplink rate limiting.
ruckus(config-zone-device-policy-policy-rule)# vlan Type: Privileged	[ <VLAN Number> ]]	Sets the VLAN number.

Table 150 lists the related zone-diffserv configuration commands.

Table 150. Commands related to ruckus(config-zone-diffserv).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-diffserv)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-diffserv)# do Type: Privileged		Executes the do command.
ruckus(config-zone-diffserv)# downlink-diffserv Type: Privileged	<value>	Enables the tunnel diffserv downlink and sets the diffserv number.
ruckus(config-zone-diffserv)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-diffserv)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-zone-diffserv)# help Type: Privileged		Displays the help.
ruckus(config-zone-diffserv)# no Type: Privileged	description downlink-diffserv preserved-diffserv uplink-diffserv	Disables various options.
ruckus(config-zone-diffserv)# preserved-diffserv Type: Privileged	<value>	Adds the preserved diffserv number.
ruckus(config-zone-diffserv)# uplink-diffserv Type: Privileged	<value>	Enables the tunnel diffserv uplink and sets the diffserv number.

Table 151 lists the related config-zone-ethernet-port-profile and config-domain-zone-ethernet-port-profile configuration commands.

Table 151. Commands related to ruckus(config-zone-ethernet-port-profile and config-domain-zone-ethernet-port-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ethernet-port-profile)# 8021x Type: Privileged		Sets 802.1x.
ruckus(config-zone-ethernet-port-profile)# acct-service Type: Privileged	<acct-service>	Accounting service.
ruckus(config-zone-ethernet-port-profile)# auth-service Type: Privileged	<auth-service>	Authentication service.
ruckus(config-zone-ethernet-port-profile)# dvlan Type: Privileged		Enable dynamic VLAN
ruckus(config-zone-ethernet-port-profile)# guest-vlan Type: Privileged	<guest-vlan-id>	Guest VLAN
ruckus(config-zone-ethernet-port-profile)# mac-bypass Type: Privileged		Enable MAC authentication bypass
ruckus(config-zone-ethernet-port-profile)# no Type: Privileged	acct-service dvlan mac-bypass proxy-acct proxy-auth tunnel	Disables the various options.
ruckus(config-zone-ethernet-port-profile)# proxy-acct Type: Privileged		Enables Proxy Accounting service.

Table 151. Commands related to ruckus(config-zone-ethernet-port-profile and config-domain-zone-ethernet-port-profile).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ethernet-port-profile)# proxy-auth Type: Privileged		Enables Proxy Authentication service.
ruckus(config-zone-ethernet-port-profile)# supplicant Type: Privileged	<ul style="list-style-type: none"> <li>mac</li> <li>custom &lt;username&gt; &lt;password&gt;</li> </ul>	Set the supplicant.
ruckus(config-zone-ethernet-port-profile)# tunnel Type: Privileged		Enable tunnel
ruckus(config-zone-ethernet-port-profile)# type Type: Privileged		Set port type
ruckus(config-zone-ethernet-port-profile)# vlan-members Type: Privileged		Describe VLAN members.
ruckus(config-zone-ethernet-port-profile)# vlan-untag-id Type: Privileged	<vlan-untag-id>	Set the VLAN untag ID.

[Table 152](#) lists the related guest access configuration commands.

Table 152. Commands related to ruckus (config-guest-access).

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-guest-access)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-guest-access)# do Type: Privileged		Executes the do command.

Table 152. Commands related to ruckus (config-guest-access)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-guest-access)# enable-terms-and-conditions Type: Privileged		Enables the web portal terms and conditions.
ruckus(config-domain-guest-access)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-domain-guest-access)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-guest-access)# grace-period Type: Privileged	<minutes>	Sets the grace period.
ruckus(config-domain-guest-access)# help Type: Privileged		Displays the help.
ruckus(config-domain-guest-access)# language Type: Privileged		Sets the language.
ruckus(config-domain-guest-access)# name Type: Privileged	<name>	Sets the guess access service name.
ruckus(config-domain-guest-access)# no Type: Privileged	enable-terms-and-conditions sms-gateway terms-and-conditions	Disables the web portal terms and conditions.
ruckus(config-domain-guest-access)# session-timeout Type: Privileged	<minutes>	Sets the session timeout as per the specified minutes.
ruckus(config-domain-guest-access)# sms-gateway Type: Privileged	<disabled>	Sets the guest pass for the SMS gateway.

Table 152. Commands related to ruckus (config-guest-access)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-guest-access)# start-page Type: Privileged	original redirect <start-url>	Sets the start page.
ruckus(config-domain-guest-access)# terms-and-conditions Type: Privileged		Sets the web portal terms and conditions.
ruckus(config-domain-guest-access)# title Type: Privileged		Sets the title for the web portal.

[Table 153](#) lists the related zone-hotspot configuration commands.

Table 153. Commands related to ruckus(config-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-hotspot)# do Type: Privileged		Executes the do command.
ruckus(config-zone-hotspot)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-hotspot)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-hotspot)# grace-period Type: Privileged	<minutes>	Sets the EAP-SIM MAP version.
ruckus(config-zone-hotspot)# help Type: Privileged		Displays the help.
ruckus(config-zone-hotspot)# language Type: Privileged		Sets the portal language.



Table 153. Commands related to ruckus(config-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot)# location-id Type: Privileged	<location-id>	Sets the location ID.
ruckus(config-zone-hotspot)# location-name Type: Privileged	<location-name>	Sets the location name.
ruckus(config-zone-hotspot)# logo Type: Privileged	<ftp-url>	Sets the logo.
ruckus(config-zone-hotspot)# logon-url Type: Privileged	internal  external <logon-url> <logon-url>: Redirects unauthenticated user to the URL for authentication	Sets the logon model.
ruckus(config-zone-hotspot)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-zone-hotspot)# name Type: Privileged		Renames the hotspot profile.
ruckus(config-zone-hotspot)# no Type: Privileged	show-terms-conditions walled-garden <walled- garden-list>	Disables the commands.
ruckus(config-zone-hotspot)# session-timeout Type: Privileged	<minutes>	Sets the session timeout. Defined in minutes.
ruckus(config-zone-hotspot)# show-terms-conditions Type: Privileged		Shows the terms and conditions.

Table 153. Commands related to ruckus(config-zone-hotspot)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot)# smart-client-support Type: Privileged	enable none only <instructions> Only smart client allowed with instructions for enabling users to log on using the smart client application	Sets the smart client support.
ruckus(config-zone-hotspot)# start-page Type: Privileged	original redirect <start-url> <start-url>: Redirects to the defined URL	Sets the start page.
ruckus(config-zone-hotspot)# terms-conditions Type: Privileged	<terms>	Sets the terms and conditions.
ruckus(config-zone-hotspot)# title Type: Privileged	<title>	Sets the title.
ruckus(config-zone-hotspot)# walled-garden Type: Privileged	<walled-garden-list>	Enables walled garden. Allows unauthorized destinations. Comma-separated IP, IP range, CIDR and regular expression domain name list.

[Table 154](#) lists the related zone-hotspot20-venue-profile configuration commands.

Table 154. Commands related to ruckus(config-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-venue-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-hotspot20-venue-profile)# do Type: Privileged		Executes the do command.





Table 154. Commands related to ruckus(config-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-venue-profile) Type: Privileged	storage unspecified  utility-and-miscellaneous unspecified  vehicular [ train   airplane   ferry   automobile-or-truck   bus   motor-bike   unspecified   ship-or-boat  outdoor [ unspecified   city-park   bus-stop   traffic-control   rest-area   muni-mesh-network   kiosk ]	Sets the venue category.
ruckus(config-zone-hotspot20-venue-profile)# venue-names Type: Privileged	<language> <names>	Sets the venue-names.
ruckus(config-zone-hotspot20-venue-profile)# wan-at-capacity Type: Privileged		Sets the WAN capacity.
ruckus(config-zone-hotspot20-venue-profile)# wan-downlink-load Type: Privileged	<downlink-load> - Load between 1 and 255	Sets the WAN downlink load.
ruckus(config-zone-hotspot20-venue-profile)# wan-downlink-speed Type: Privileged	<speed>	Sets the WAN downlink speed in (kbps).
ruckus(config-zone-hotspot20-venue-profile)# wan-link-status Type: Privileged	[ link-up   link-test   link-down ]	Sets the link status.
ruckus(config-zone-hotspot20-venue-profile)# wan-load-duration Type: Privileged	<duration>	Sets the load measurement duration.

Table 154. Commands related to ruckus(config-zone-hotspot20-venue-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-venue-profile)# wan-sym-link Type: Privileged		Enables symmetric link.
ruckus(config-zone-hotspot20-venue-profile)# wan-uplink-load Type: Privileged	<uplink-load>	Sets the WAN uplink load.
ruckus(config-zone-hotspot20-venue-profile)# wan-uplink-speed Type: Privileged	<speed> - Uplink speed in kbps	Sets the WAN uplink speed.

[Table 155](#) lists the related zone-hotspot20-wlan-profile configuration commands.

Table 155. Commands related to ruckus(config-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-wlan-profile)# access-network-type Type: Privileged		Sets the access network type.
ruckus(config-zone-hotspot20-wlan-profile)# asra Type: Privileged		Sets the ASRA profile.
ruckus(config-zone-hotspot20-wlan-profile)# asra-dns-redirect Type: Privileged	<url>	Sets the ASRA DNS redirection.
ruckus(config-zone-hotspot20-wlan-profile)# asra-http-redirect Type: Privileged		Sets the ASRA HTTP redirection.
ruckus(config-zone-hotspot20-wlan-profile)# asra-online-signup Type: Privileged	<ssid>	Sets the ASRA online signup.
ruckus(config-hotspot20-wlan-profile)# asra-terms-conditions Type: Privileged	<url>	Sets the ASRA terms and conditions.

Table 155. Commands related to ruckus(config-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-wlan-profile)# connect-capabilities Type: Privileged	[ pptp   http   voip-6   ipsec-vpn   ikev2   ftp   tls   voip-17   icmp   ssh   esp ] [ open   unknown   closed ]	Sets the connection capabilities.  pptp: Protocol Number:6 Port:1723 Protocol Name: Used by PPTP VPNs  http: Protocol Number:6 Port:80 Protocol Name: HTTP  voip-6: Protocol Number:6 Port:5060 Protocol Name: VoIP  ipsec-vpn: Protocol Number:17 Port:4500 Protocol Name: IPsec VPN  ikev2: Protocol Number:17 Port:500 Protocol Name:Used by IKEv2(IPsec VPN)  tls: Protocol Number:6 Port:443 Protocol Name:Used by TLS VPN  voip-17: Protocol Number:17 Port:5060 Protocol Name: Voip  icmp: Protocol Number:1 Port:0 Protocol Name:ICMP  .....continued

Table 155. Commands related to ruckus(config-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-wlan-profile)# connect-capabilities Type: Privileged	[ pptp   http   voip-6   ipsec-vpn   ikev2   ftp   tls   voip-17   icmp   ssh   esp ] [ open   unknown   closed ]	ssh: Protocol Number:6 Port:22 Protocol Name: SSH  esp: Protocol Number:50 Port:0 Protocol Name: ESP  open: Open  unknown: Unknown  closed: Closed
ruckus(config-zone-hotspot20-wlan-profile)# cust-connect-capabilities Type: Privileged	<protocol-name> <protocol-number>	Creates or updates the custom connection capabilities.
ruckus(config-zone-hotspot20-wlan-profile)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-hotspot20-wlan-profile)# do Type: Privileged		Executes the do command.
ruckus(config-zone-hotspot20-wlan-profile)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-hotspot20-wlan-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-hotspot20-wlan-profile)# help Type: Privileged		Displays the help.
ruckus(config-zone-hotspot20-wlan-profile)# identity-providers Type: Privileged	<identityProvider> default	Sets the identity providers.



Table 155. Commands related to ruckus(config-zone-hotspot20-wlan-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-wlan-profile)# internet-option Type: Privileged	enable	Enables the specified WLAN with Internet connectivity.
ruckus(config-zone-hotspot20-wlan-profile)# ipv4-address Type: Privileged	[ port-restrict-address   single-nated-private-address   double-nated-private-address   port-restricted-addressdouble-nated-address   unknown   public-address   port-restricted-address-single-nated-address   not-available ]>	Sets the IPv4 address.
ruckus(config-zone-hotspot20-wlan-profile)# ipv6-address Type: Privileged	[ not-available   unknown   available ]	Sets the IPv6 address.
ruckus(config-zone-hotspot20-wlan-profile)# name Type: Privileged	<name>	Sets the hotspot 2.0 WLAN profile name.
ruckus(config-zone-hotspot20-wlan-profile)# no Type: Privileged	asra asra-dns-redirect asra-http-redirect asra-online-signup asra-terms-conditions cust-connect-capabilities identity-providers internet-option	Disables the commands.
ruckus(config-zone-hotspot20-wlan-profile)# operator Type: Privileged	<name>	Sets the operator name.

Table 156 lists the related zone-hotspot20-wlan-profile-cust-connect-capabilities configuration commands.

Table 156. Commands related to ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# do Type: Privileged		Executes the do command.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# help Type: Privileged		Displays the help.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# port Type: Privileged	<port>	Set the port number.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities)# protocol Type: Privileged	<protocol>	Sets the protocol number.
ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities) status Type: Privileged	[ closed   unknown   open]	Sets the status.

Table 157 lists the related zone-l2-acl configuration commands.

Table 157. Commands related to ruckus(config-zone-l2-acl)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-l2-acl)# action Type: Privileged	[ allow   block ]	Sets the handling action to allow or block.
ruckus(config-zone-l2-acl)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-l2-acl)# mac Type: Privileged	#{value}	Sets the MAC value.
ruckus(config-zone-l2-acl)# no mac Type: Privileged	#{value}	Disables the MAC value.

Table 158 lists the related zone-vlan-pooling configuration commands.

Table 158. Commands related to ruckus(config-domain-zone-vlan-pooling)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-vlan-pooling)# algo Type: Privileged	mac-hash	Sets the algorithm.
ruckus(config-zone-vlan-pooling)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-vlan-pooling)# do Type: Privileged		Executes the do command.
ruckus(config-zone-vlan-pooling)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-zone-vlan-pooling)# exit Type: Privileged		Exits from the EXEC.

Table 158. Commands related to ruckus(config-domain-zone-vlan-pooling)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-vlan-pooling)# help Type: Privileged		Displays the help.
ruckus(config-zone-vlan-pooling)# no Type: Privileged	description pooling	Disables various option
ruckus(config-zone-vlan-pooling)# pooling Type: Privileged	range <start-value> <end-value>: VLAN range single <value>: Single VLAN ID	Adds the VLAN pooling.

[Table 159](#) lists the related zone-web-authentication configuration commands.

Table 159. Commands related to ruckus (config-zone-web-authentication)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-web-authentication)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-web-authentication)# grace-period Type: Privileged	<minutes>	Sets the grace period.
ruckus(config-zone-web-authentication)# language Type: Privileged		Sets the language.
ruckus(config-zone-web-authentication)# session-timeout Type: Privileged	<minutes>	Sets the session timeout as per the specified minutes.
ruckus(config-zone-web-authentication)# start-page Type: Privileged	original redirect <start-url>	Sets the start page.

Table 160 lists the related zone-wechat and domain-zone-wechat configuration commands.

Table 160. Commands related to ruckus (config-zone-wechat) and (config-domain-zone-wechat)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wechat)# authentication-url Type: Privileged	<text>: Authentication URL	Sets Authentication URL
ruckus(config-zone-wechat)# black-list Type: Privileged	<text>: Black list	Sets black list.
ruckus(config-zone-wechat)# description Type: Privileged	<text>: Description	Sets description.
ruckus(config-zone-wechat)# dnat-destination Type: Privileged	<text>: DNAT destination	Sets DNAT destination.
ruckus(config-zone-wechat)# dnat-port-mapping Type: Privileged	<source><dest>: Source and destination ports	Set DNAT port mappings
ruckus(config-zone-wechat)# grace-period Type: Privileged	<minutes>: Grace Period minutes	Set grace period
ruckus(config-zone-wechat)# no Type: Privileged	dnat-port-mapping white-list	Disable the options.
ruckus(config-zone-wechat)# whitelist Type: Privileged	<white-list> Allowed unauthorized destinations, comma-separated IP, IP range, CIDR and regular expression Domain name list	Sets White list.

Table 161 lists the related zone-wlan configuration commands.

Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# access-network Type: Privileged		Enables tunnel WLAN traffic to the controller.
ruckus(config-zone-wlan)# acct-delay-time Type: Privileged		Enables the acct-delay time.
ruckus(config-zone-wlan)# acct-interval Type: Privileged	<minutes>	Set the authentication service. Enables accounting interval to send interim updates.
ruckus(config-zone-wlan)# acct-service Type: Privileged	<name>	Sets the accounting service.
ruckus(config-zone-wlan)# acct-service-use-proxy Type: Privileged		Set the accounting service: Uses the controller as proxy.
ruckus(config-zone-wlan)# acct-ttg-session Type: Privileged		Sets the accounting service. Enables accounting for TTG sessions.
ruckus(config-zone-wlan)# auth-method Type: Privileged		Sets the authentication method.
ruckus(config-zone-wlan)# auth-service Type: Privileged	<name>	Sets the authentication service.
ruckus(config-zone-wlan)# auth-service-use-proxy Type: Privileged		Sets the authentication service. Enables accounting for TTG sessions.
ruckus(config-zone-wlan)# auth-type Type: Privileged		Sets the authentication type.

Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan) #bss-minrate Type: Privileged	[ 5.5mbps   24mbps   12mbps   1mbps   2mbps ]	Sets the BSS minimum rate.
ruckus(config-zone-wlan) #bypass-cna Type: Privileged		Enable to bypass CNA server.
ruckus(config-zone-wlan)# called-sta Type: Privileged		Sets the called STA ID.
ruckus(config-zone-wlan)# client-fingerprinting Type: Privileged		Sets the client fingerprinting.
ruckus(config-zone-wlan)# client-tx-rx-statistics Type: Privileged		Enables ignore statistics from unauthorized clients.
ruckus(config-zone-wlan)# core-network Type: Privileged	[ mixed   l2ogre   pmipv6   l3ogre   ttg-pdg   bridge ]	Sets the core network.
ruckus(config-zone-wlan)# description Type: Privileged	<text>	Sets the description,
ruckus(config-zone-wlan)# device-policy Type: Privileged	[ <Policy Name> ]	Sets the device policy.
ruckus(config-zone-wlan)# dgaf Type: Privileged		Disables downstream group-address frame forwarding.
ruckus(config-zone-wlan)# dhcp-option-82 Type: Privileged		Enables DHCP option 82.

Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# dhcp-option-82-format Type: Privileged	[ subopt-1   ruckus-gre   soft-gre ] Subopt-1 with format (Circuit-ID [WLAN:IFNAME:VLAN:SSID:MODEL:HOSTNAME:DEVMAC]) ruckus-gre: Ruckus default (Circuit-ID [WLAN:IFNAME:VLAN:SSID:MODEL:HOSTNAME:DEVMAC:LOCATION]) soft-gre: SoftGRE customized (Circuit-ID [DEVMAC;SSID;PRIVACY TYPE]. Remote-ID [STAMAC])	Enables DHCP option 82 format options.
ruckus(config-zone-wlan)# diffserv-profile Type: Privileged	<name>	Sets the Diffserv profile
ruckus(config-zone-wlan)# disable-band-balancing Type: Privileged		Disables radio band balancing on WLAN.
ruckus(config-zone-wlan)# disable-load-balancing Type: Privileged		Disables client load balancing on WLAN.
ruckus(config-zone-wlan)# disable-wlan Type: Privileged		Disables this WLAN service.
ruckus(config-zone-wlan)# dnlink-limit Type: Privileged		Sets the downlink rate limiting.
ruckus(config-zone-wlan)# do Type: Privileged		Executes the do command.



Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# dpsk-effective-type		Sets the DPSK expiration effective type.
ruckus(config-zone-wlan)# dpsk-enable		Enables DPSK.
ruckus(config-zone-wlan)# dpsk-expiration		Sets DPSK expiration.
ruckus(config-zone-wlan)# dpsk-length		Sets DPSK length.
ruckus(config-zone-wlan)# dpsk-type		Sets DPSK type.
ruckus(config-zone-wlan)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-zone-wlan)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-wlan)# enable-rfc5580-support Type: Privileged		Enables this attribute to deliver the location information only for those APs where location attribute is configured.
ruckus(config-zone-wlan)# enable-type Type: Privileged		Enables the WLAN service type.
ruckus(config-zone-wlan)# enc-algorithm Type: Privileged		Sets the encryption algorithm.
ruckus(config-zone-wlan)# enc-method Type: Privileged		Sets the encryption method.
ruckus(config-zone-wlan)# enc-mfp Type: Privileged		Sets the MFP.

Table 161. Commands related to ruckus(config-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# enc-passphrase Type: Privileged	<password>	Sets the encryption passphrase.
ruckus(config-zone-wlan)# enc-wep-key Type: Privileged	<wep-key-index> <wep-key> WEP key (HEX), length should be 10 (WEP-64) or 26 (WEP-128)	Sets WEP key (HEX).
ruckus(config-zone-wlan)# force-dhcp Type: Privileged	timeout <seconds> timeout: Sets the disconnect client timeout interval <seconds>: Sets the disconnect client timeout in intervals of 5 - 15 seconds	Sets the timeout for DHCP in seconds.
ruckus(config-zone-wlan)# forwarding-policy Type: Privileged		Sets the forwarding policy configurations.
ruckus(config-zone-wlan)# guest-access Type: Privileged	<name>	Sets the guest access service.
ruckus(config-zone-wlan)# guest-access-acct-service Type: Privileged		Sets the accounting server.
ruckus(config-zone-wlan)# guest-access-auth-service Type: Privileged		Sets the authentication server.
ruckus(config-zone-wlan)# help Type: Privileged		Displays the help.
ruckus(config-zone-wlan)# hessid Type: Privileged	<hessid>	Sets the WLAN HESSID value.

Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# hide-ssid Type: Privileged		Hides SSID in beacon broadcast.
ruckus(config-zone-wlan)# hotspot Type: Privileged	<name>	Sets the hotspot service.
ruckus(config-zone-wlan)# hotspot2 Type: Privileged	<name>	Sets the hotspot 2.0 configuration.
ruckus(config-zone-wlan)# hotspot20-osu-support Type: Privileged		Enables the hotspot 2.0 device registration from the guest portal.
ruckus(config-zone-wlan)# inactivity-timeout Type: Privileged	<number>	Sets the inactivity timeout. Terminates idle user sessions after the specified seconds of inactivity.
ruckus(config-zone-wlan)# l2-acl Type: Privileged	[ <ACL Name> ]	Sets the layer 2 access control list.
ruckus(config-zone-wlan)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-zone-wlan)# mac-auth Type: Privileged	<password>	Sets the MAC authentication.
ruckus(config-zone-wlan)# max-clients Type: Privileged	<number>	Sets the maximum clients. Allows clients per AP radio to associate with this WLAN. Range is between 1 and 512.
ruckus(config-zone-wlan)# mgmt-tx-rate Type: Privileged	[[ 48mbps   2mbps   36mbps   1mbps   18mbps   12mbps   11mbps   5.5mbps   6mbps   54mbps   9mbps   24mbps ]	Sets the management Tx rates.





Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# okc-support Type: Privileged		Enables OKC support.
ruckus(config-zone-wlan)# onboarding-auth-service Type: Privileged	<p>&lt;service-name&gt; local &lt;realm&gt;</p> <p>&lt;service-name&gt; remote &lt;realm&gt;</p> <p>&lt;service-name&gt; local &lt;realm&gt; never</p> <p>&lt;service-name&gt; local &lt;realm&gt; hour &lt;expiration-value&gt; - Expiration value between 1 and 175200.</p> <p>&lt;service-name&gt; local &lt;realm&gt; day &lt;expiration-value&gt; - Expiration value between 1 and 7300.</p> <p>&lt;service-name&gt; local &lt;realm&gt; week &lt;expiration-value&gt; - Expiration value between 1 and 1040.</p> <p>&lt;service-name&gt; local &lt;realm&gt; month &lt;expiration-value&gt; - Expiration value between 1 and 240.</p>	Sets the onboarding authentication service.

Table 161. Commands related to ruckus(config-zone-wlan).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# onboarding-auth-service-use- proxy Type: Privileged		Sets the onboarding authentication service using the controller proxy server.
ruckus(config-zone-wlan)# onboarding-portal Type: Privileged	<name>	Sets the onboarding portal.
ruckus(config-zone-wlan)# operator-realm Type: Privileged		Sets the operator realm.
ruckus(config-zone-wlan)# pmk- caching-support Type: Privileged		Enables the PMK caching support.
ruckus(config-zone-wlan)# priority Type: Privileged		Sets the priority as either low or high.
ruckus(config-zone-wlan)# proxy- arp Type: Privileged		Enables proxy ARP.
ruckus(config-zone-wlan)# qinq- vlan Type: Privileged	<s-vlan-id>	Enables Q-in-Q VLAN.
ruckus(config-zone-wlan)# qos- map Type: Privileged	<priority>	Updates the QoS map.
ruckus(config-zone-wlan)# qos- map-enable Type: Privileged		Enables the QoS map.
ruckus(config-zone-wlan)# radius- nas-id Type: Privileged	<number>	Sets the RADIUS NAS ID.

Table 161. Commands related to ruckus(config-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# radius-nas-max-retries Type: Privileged	<times>	Sets the maximum number of retries for RADIUS NAS.
ruckus(config-zone-wlan)# radius-nas-reconnect-primary Type: Privileged	<minutes>	Sets the reconnection to the primary RADIUS NAS.
ruckus(config-zone-wlan)# radius-nas-request-timeout Type: Privileged	<seconds>	Sets the RADIUS NAS request timeout.
ruckus(config-zone-wlan)# radius-nas-type Type: Privileged		Sets the RADIUS NAS type.
ruckus(config-zone-wlan)# roam Type: Privileged		Enables roaming.
ruckus(config-zone-wlan)# roam-factor Type: Privileged	2.4g <value> 5g <value>	Sets the roam factor.
ruckus(config-zone-wlan)# scheduler Type: Privileged	[ <Profile Name> ]	Sets the WLAN scheduler profile.
ruckus(config-zone-wlan)# ssid Type: Privileged	<ssid>	Sets the WLAN SSID configuration.
ruckus(config-zone-wlan)# support-802-11d Type: Privileged		Enables support for 802.11d.
ruckus(config-zone-wlan)# uplink-limit Type: Privileged		Sets the uplink rate limiting.
ruckus(config-zone-wlan)# user-traffic-profile Type: Privileged		Sets the user traffic profile.



Table 161. Commands related to ruckus(config-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# vlan-enabled Type: Privileged		Enables dynamic VLAN.
ruckus(config-zone-wlan)# vlan-id Type: Privileged	<vlan-id>	Sets the VLAN ID
ruckus(config-zone-wlan)# vlan-pooling Type: Privileged	<name>	Enables and sets the VLAN pooling profile.
ruckus(config-zone-wlan)# web-authentication Type: Privileged	<name>	Sets the web authentication service.
ruckus(config-zone-wlan)# wireless-client-isolation Type: Privileged		Sets the wireless client Isolation.
ruckus(config-zone-wlan)# wispr-ttg-support Type: Privileged		Enables WISPr TTG support.
ruckus(config-zone-wlan)# zero-it-activation Type: Privileged		Enables zero-it activation (WLAN users are provided with wireless configuration installer after they log in).
ruckus(config-zone-wlan)# zero-it-onboarding Type: Privileged		Enables zero-it device registration from the guest portal.

Table 157 lists the related zone-wlan-qos-map configuration commands.

Table 162. Commands related to ruckus(config-zone-wlan-qos-map)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-qos-map)# dscp-range Type: Privileged	<dscp-low-value> <dscp-high-value>	Sets the range as either high or low values for DSCP.
ruckus(config-zone-wlan-qos-map)# enable Type: Privileged		Enables the QoS map setting.
ruckus(config-zone-wlan-qos-map)# excp-dscp-values Type: Privileged		Sets the exception values for DSCP.
ruckus(config-zone-wlan-qos-map)# no Type: Privileged	enable excp-dscp-values	Disables the commands.

Table 163 lists the related zone-wlan-group configuration commands.

Table 163. Commands related to ruckus(config-zone-wlan-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-group)# description Type: Privileged	<text>	Sets the description,
ruckus(config-zone-wlan-group)# do Type: Privileged		Executes the do command.
ruckus(config-zone-wlan-group)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-wlan-group)# exit Type: Privileged		Exits from the EXEC.

Table 163. Commands related to ruckus(config-zone-wlan-group).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-group)# help Type: Privileged		Displays the help.
ruckus(config-zone-wlan-group)# no Type: Privileged	wlan <name>	Disables or removes WLAN from this group.
ruckus(config-zone-wlan-group)# wlan Type: Privileged	<name> vlan <vlanTag> nasid <nasid> <name> nasid <nasid> vlan <vlanTag> <name> vlan <vlanTag> <name> nasid <nasid> <name> vlan-pooling <vlanPooling> <name> vlan-pooling <vlanPooling> <nasid> <name>	Sets a WLAN in this group or overrides VLAN setting.

[Table 164](#) lists the related zone-wlan-scheduler configuration commands.

Table 164. Commands related to ruckus (config-zone-wlan-scheduler).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-scheduler)# description Type: Privileged	<text>	Sets the description,
ruckus(config-zone-wlan-scheduler)# no Type: Privileged	description schedule-data [ <weekday   empty> ] [ <start time value   empty> ] [ <end time value> ]   \${weekday}	Disables the commands.

Table 164. Commands related to ruckus (config-zone-wlan-scheduler).

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-scheduler)# schedule-data Type: Privileged	<weekday   empty> ] [ <start time value   empty> ] [ <end time value> ]  \${weekday}	Sets the schedule table.

## zone-template

To create or update the zone template configurations, use the following command.

### **ruckus(config)# zone-template**

#### Syntax Description

This command uses the following syntax:

import <ftp-url>

import: Import AP Zone Template from FTP server

<ftp-url>: FTP URL, format: ftp://<username>:<password>@<ftp-host>/<file-path>

<name> extract <name>

<name>: AP Zone Template name

extract: Extract AP Zone Template from an existing AP Zone

<name>: AP Zone name

<name> export <ftp-url>

<name>: AP Zone Template name

export: Export AP Zone Template to FTP server

<ftp-url>: FTP URL, format: ftp://<username>:<password>@<ftp-host>/<dir-path> ]P URL, format: ftp://:@[/]

#### Default

This command has no default settings.

#### Command Mode

Config

**Example**

```
ruckus(config)# zone-template acct-profile
```

# Debug Commands

# 5

This chapter describes the commands that you can use to debug the controller. The following table lists the commands.

Table 165. Debug commands

debug	ap-cli	data-plane	delete	diagnostic
do	end	exit	execute	export log
help	no schedule	no screen-pagination	no sslv3	no strict-wfa-compliance
screen-pagination	show	sslv3	strict-wfa-compliance	

## debug

To execute commands in debug mode, you need to change the mode to:

```
ruckus(debug)#
```

### Example

```
ruckus# debug
```

## ap-cli

To run AP CLI debug script management, use the following command:

```
ruckus(debug)# ap-cli
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug) # ap-cli
```

### Related Commands

[Table 166](#) lists the related debug ap-cli configuration commands.

Table 166. Commands related to ruckus(debug-ap-cli).

Syntax and Type	Parameters (if any)	Description
ruckus(debug-ap-cli)# execute Type: Privileged	zone <name>	Executes the API CLI script.
ruckus(debug-ap-cli)# show Type: Privileged	zone <name>	Shows the script execution summary of a specified zone.
ruckus(debug-ap-cli)# upload Type: Privileged	zone <name> <ftp-url>	Uploads the API CLI script from a remote FTP server.
ruckus(debug-ap-cli)# do Type: Privileged		Executes the do command.
ruckus(debug-ap-cli)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(debug-ap-cli)# exit Type: Privileged		Exits from the EXEC.
ruckus(debug-ap-cli)# help Type: Privileged		Displays the help.

## data-plane

To retrieve dataplane information, use the following command:

```
ruckus(debug)# data-plane <name>
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# data-plane dp
ruckus(debug-data-plane)#
```

### Related Commands

[Table 167](#) lists the related debug data-plane configuration commands.

Table 167. Commands related to ruckus(debug-data-plane) .

Syntax and Type	Parameters (if any)	Description
ruckus(debug-data-plane)# do Type: Privileged		Executes the do command.
ruckus(debug-data-plane)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(debug-data-plane)# exit Type: Privileged		Exits from the EXEC.
ruckus(debug-data-plane)# help Type: Privileged		Displays the help.
ruckus(debug-data-plane)# run Type: Privileged	<dp commands> For example datacore dump_ifs	Executes dataplane commands.



# delete

To delete a debug script that has been uploaded to the controller, use the following command:

```
ruckus(debug)# delete <script-name>
```

## Syntax Description

This command uses the following syntax:

script-name: Name of the debug script that you want to delete

## Default

This command has no default settings.

## Command Mode

privileged

## Example

```
ruckus(debug)# delete spn-1test
```

# diagnostic

To run debug diagnostic script management, use the following command:

```
ruckus(debug)# diagnostic
```

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Debug

## Example

```
ruckus(debug)# diagnostic
```

## Related Commands

Table 168 lists the related debug diagnostic commands.

Table 168. Commands related to ruckus(debug-diagnostic)

Syntax and Type	Parameters (If Any)	Description
ruckus(debug-diagnostic)# delete Type: Privileged	<name>	Deletes a diagnostic script. Specify the script name.
ruckus(debug-diagnostic)# execute Type: Privileged	<name> <params>	Executes a diagnostic script. Specify the script name.
ruckus(debug-diagnostic)# show Type: Privileged	<name>	Shows the diagnostic script. Specify the script name and its parameters.
ruckus(debug-diagnostic)# schedule Type: Privileged	<name> Script name <Cron-Time-Spec> Cron time spec <args> Arguments	Schedule a script to run with arguments.
ruckus(debug-diagnostic)# upload Type: Privileged	<ftp-url>: FTP URL format is: ftp://<username>:<password>@<ftp-host>/<file-path>	Uploads a diagnostic script from a remote FTP server.
ruckus(debug-diagnostic)# do Type: Privileged		Executes the do command.
ruckus(debug-diagnostic)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(debug-diagnostic)# exit Type: Privileged		Exits from the EXEC.
ruckus(debug-diagnostic)# help Type: Privileged		Displays the help.

# do

To run the debug do command:

```
ruckus(debug)# do
```

## Syntax Description

This command has no arguments or keywords

## Default

This command has no default settings.

## Command Mode

Debug

## Example

```
ruckus (debug) # do
```

## dp-customized-config

To set customized Dataplane configuration commands.

**ruckus(debug)# dp-customized-config**

### Syntax Description

This command has the following arguments or keywords:

all: All dataplanes

<name>: Dataplane name

all <commandStr>: All customized configuration

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # dp-customized-config all <commandStr>
```

```
ruckus (debug) # dp-customized-config <name> <commandStr>
```

## end

To end the current configuration session and returns to privileged exec mode, use the following command:

**ruckus(debug)# end**

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # end
```

## exit

To exit from the exec mode, use the following command:

```
ruckus(debug)# exit
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # exit
```

## execute

To execute a debug script that has been uploaded to the controller, use the following command:

```
ruckus(debug)# execute <script-name>
```

### Syntax Description

This command uses the following syntax:

script-name: Name of the debug script that you want to execute

### Default

This command has no default settings.

### Command Mode

privileged

### Example

```
ruckus (debug) # execute sp1-test
```

## export log

To export the local system logs to external FTP server, use the following command:

```
ruckus(debug)# export log <ftp-url> <ftp-url> app <name>
```

### Syntax Description

This command uses the following syntax:

<ftp-url> - FTP URL, Format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]]

app: Application

<name>: Application name

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# export log ftp://mahan:ruckus1!@172.19.7.100
```

## help

To display the command line interface help, use the following command:

```
ruckus(debug)# help
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# help
```

## no dp-customized-config

To disable customized Dataplane configuration commands.

**ruckus(debug)# no dp-customized-config**

### Syntax Description

This command has the following arguments or keywords:

all: All dataplanes

<name>: Dataplane name

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # no dp-customized-config all
ruckus (debug) # no dp-customized-config <name>
```

## no schedule

To unschedule a script, use the following command:

**ruckus(debug)# no schedule**

### Syntax Description

This command the following syntax:

<name>: Script name

<Cron-Time-Spec>: Cron time spec

<args>: Arguments

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # no schedule
```

## no screen-pagination

To disable the screen pagination, use the following command:

```
ruckus(debug)# no screen-pagination
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# no screen-pagination
```

## no sslv3

To disable the SSLv3 support, use the following command:

```
ruckus(debug)# no sslv3
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# no sslv3
```



## no strict-wfa-compliance

To disable WFA compliance, use the following command:

```
ruckus(debug)# no strict-wfa-compliance
```

---

**NOTE:** Its is highly recommended that the user contacts Ruckus customer support before enabling / disabling this CLI command.

---

### NOTE:

#### Syntax Description

This command has no arguments or keywords.

#### Default

This command has no default settings.

#### Command Mode

Debug

#### Example

```
ruckus(debug)# no strict-wfa-compliance
```

## screen-pagination

To enable the screen pagination, use the following command:

```
ruckus(debug)# screen-pagination
```

#### Syntax Description

This command has no arguments or keywords.

#### Default

This command has no default settings.

#### Command Mode

Debug

#### Example

```
ruckus(debug)# screen-pagination
```

# show

To enable the screen pagination, use the following command:

```
ruckus(debug)# screen-pagination <ap-subnet-discovery-status > | diagnostic-script <name>| schedule | <sslv3-state> | strict-wfa-compliance-state
```

## Syntax Description

This command uses the following syntax:

ap-subnet-discovery-status: Shows the AP subnet discovery service status

diagnostic-script <name>: Shows the diagnostic scripts

schedule: Show the scheduled scripts

sslv3-state: Shows the SSLv3 support state

strict-wfa-compliance-state: Shows the WFA compliance state

## Default

This command has no default settings.

## Command Mode

Debug

## Example

```
ruckus(debug)# show ap-subnet-discovery-status
enabled 1
```

```
ruckus(debug)# show sslv3-state
SLv3 support: disabled
```

## show dp-customized-config

To display customized Dataplane configuration commands.

```
ruckus(debug)# dp-customized-config
```

### Syntax Description

This command has the following arguments or keywords:

all: All dataplanes

<name>: Dataplane name

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# show dp-customized-config all
```

## sslv3

To enable the SSLV3 support, use the following command:

```
ruckus(debug)# sslv3
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus(debug)# sslv3  
Successful operation
```

## strict-wfa-compliance

To enable WFA compliance, use the following command:

## ruckus(debug)# no strict-wfa-compliance

---

**NOTE:** Its is highly recommended that the user contacts Ruckus customer support before enabling / disabling this CLI command.

---

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Debug

### Example

```
ruckus (debug) # strict-wfa-compliance
```

This chapter describes the commands that you can use to set up the controller. Commands covered include:

- `rbd`
- `rbddump`
- `setup`

## rbd

To set up the board data of the controller, use the following command:

```
ruckus# rbd <board> <model> <serial> <mac> <mac-count> <customer>
```

### Syntax Description

This command has the following syntax:

<board>: Board name

<model>: Model name

<serial>: Serial number

<mac>: MAC Address

<mac-count>: MAC Count

<customer>: Customer name

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

- `ruckus# rbd name`

## rbddump

To display the board data of the controller, use the following command:

**ruckus# rbdump****Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus# rbdump
name: Gallus
magic: 35333131
cksum: 6dd
rev: 5.4
Serial#: 00000089
Customer ID: ruckus
Model: SCG1k
V54 Board Type: Undef
V54 Board Class: AP71
Random#: 0000 0000 0000 0000 0000 0000 0000 0000
symings: no
ethport: 0
V54 MAC Address Pool: yes, size 32, base 00:1D:2E:89:00:00
major: 0
minor: 0
pciId: 0000
dblade0: yes 00:1D:2E:89:00:10
dblade1: yes 00:1D:2E:89:00:18
eth0: yes 00:1D:2E:89:00:00
eth1: yes 00:1D:2E:89:00:01
eth2: - 00:1D:2E:89:00:02
eth3: - 00:1D:2E:89:00:03
eth4: - 00:1D:2E:89:00:04
eth5: - 00:1D:2E:89:00:05
uart0: no
sysled: no, gpio 0
```

```

sysled2: no, gpio 0
sysled3: no, gpio 0
sysled4: no, gpio 0
Fixed Ctry Code: no
Antenna Info: no, value 0x00000000
Local Bus: disabled
factory: yes, gpio 8
serclk: internal
cpufreq: calculated 0 Hz
sysfreq: calculated 0 Hz
memcap: disabled
watchdog: enabled

```

## setup

Sets up the controller network interface settings, use the following command:

**ruckus# setup**

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```

ruckus# setup
#####
Start SCG setup process:
#####
Current network settings:
*****
Control (AP/Dataplane):
*****
IP TYPE :
IP Address :
Netmask :

```

```

Gateway :
Default Gateway :
Primary DNS Server :
Secondary DNS Server :
*****
*****
Cluster:
*****
IP TYPE :
IP Address :
Netmask :
Gateway :
Default Gateway :
Primary DNS Server :
Secondary DNS Server :
*****
*****
Management (Web) :
*****
IP TYPE :
IP Address :
Netmask :
Gateway :
Default Gateway :
Primary DNS Server :
Secondary DNS Server :
*****
*****
IP address setup for Control (AP/Dataplane)
*****
1. MANUAL
2. DHCP
*****
Select IP configuration: (1/2) 2
*****
Control (AP/Dataplane):
*****
IP Address : 10.2.6.231
Netmask : 255.255.0.0

```



```

Gateway : 10.2.0.1
Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1
*****
Are these correct? (y/n): y
Execute networking configuration of Control (AP/Dataplane) !
Save networking configuration of Control (AP/Dataplane) !
*****
IP address setup for Cluster
*****
1. MANUAL
2. DHCP
*****
Select IP configuration: (1/2) 2
*****
Cluster:
*****
IP Address : 10.2.6.229
Netmask : 255.255.0.0
Gateway : 10.2.0.1
Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1
*****
Are these correct? (y/n): y
Execute networking configuration of Cluster!
Save networking configuration of Cluster!
*****
IP address setup for Management (Web)
*****
1. MANUAL
2. DHCP
*****
Select IP configuration: (1/2) 2
*****
Management (Web) :
*****
IP Address : 10.2.6.230
Netmask : 255.255.0.0
Gateway : 10.2.0.1

```

```

Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1
*****
Are these correct? (y/n): y
Execute networking configuration of Management(Web)!
Save networking configuration of Management(Web)!
*****
Available Gateway:
*****
Control : 10.2.0.1
Cluster : 10.2.0.1
Management : 10.2.0.1
*****
Select system default gateway (Control, Cluster, Management)?
Management
Network need to be restarted to active!!!
Setup configuration of ethers...
Network would be restarted. You could connect to SCG back by using
Management port (10.2.6.230)!!
Enter "restart network" to continue... restart network

```

---

**NOTE:** At this point, log on to the controller CLI, and then run the setup command again.

---

```

ruckus# setup
#####
Start SCG setup process:
#####
Current network settings:
*****
Control (AP/Dataplane):
*****
IP TYPE : dhcp
IP Address : 10.2.6.231
Netmask : 255.255.0.0
Gateway : 10.2.0.1
Default Gateway : no
Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1

```

```

*****
*****
Cluster:
*****
IP TYPE : dhcp
IP Address : 10.2.6.229
Netmask : 255.255.0.0
Gateway : 10.2.0.1
Default Gateway : no
Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1
*****
*****
Management(Web) :
*****
IP TYPE : dhcp
IP Address : 10.2.6.230
Netmask : 255.255.0.0
Gateway : 10.2.0.1
Default Gateway : yes
Primary DNS Server : 172.17.17.16
Secondary DNS Server : 168.95.1.1
*****
Server need to restart network after network setting.
Do you want to setup network? [YES/no]: no
(C)reate a new cluster or (J)oin an exist cluster: (c/j) c
Cluster Name ([a-zA-Z0-9_-]): test_cluster
Controller Description: test_cluster
*****
Create/Join : create
DISCOVERY PROTOCOL: tcp
Cluster Name : test_cluster
Blade ID : f7585769-6dd7-4e63-aa2c-e6da76501680
DESCRIPTION : test_cluster
*****
Are these correct? (y/n): y
Enter the controller name of the blade([a-zA-Z0-9_-]): test_cluster
NTP Server ([a-zA-Z0-9._-]): [pool.ntp.org]
Reset admin's password!

```

```
Enter admin password:
Enter admin password again:
Enter the enable password:
Enter the enable password again:
Reset admin's password done!
stty: standard input: Invalid argument
New hostname: test_cluster
Change admin password done!
*****
Check SCG installation status
*****
Wait for cluster config operation start!
Wait for cluster config operation start!
Wait for cluster config operation start!
Wait for cluster config operation start!
Bootstrapping, Tue Dec 18 15:25:32 GMT 2012
Blade Channel Jointed, Tue Dec 18 15:25:34 GMT 2012
Configurer Channel Jointed, Tue Dec 18 15:25:43 GMT 2012
Cassandra Started, Tue Dec 18 15:26:03 GMT 2012
Cassandra Initialized, Tue Dec 18 15:27:14 GMT 2012
First Time Initialization Process Done, Tue Dec 18 15:28:02 GMT 2012
Available, Tue Dec 18 15:29:47 GMT 2012
```

# Show Commands

# 7

This chapter describes the commands that you can use to view information about the various components of controller. The following table lists the various Show commands.

---

**NOTE:** Use the “do show” command to use show commands in either user or privileged mode.

---

Table 169. Show commands

show 3rd zone	show admin-activity	show alarm	show ap	show ap-certificate-status
show ap-stats	show backup	show backup-config	show backup-config-state	show backup-network
show backup-schedule	show backup-state	show backup-upgrade-state	show cgf-cnrxn-stats	show cgf-tx-stats
show client	show clock	show cls-sess	show cls-sess-range	show cluster
show cluster-state	show control-plane	show control-plane-stats	show counter	show cpuinfo
show data-plane	show data-plane-stats	show dhcp-relay-stats	show dhcp-server-stats	show diameter-gx-stats
show diameter-sta-stats	show diameter-stats	show diskinfo	show event	show ggsn-cnrxn-stats
show ggsn-gtpc-stats	show history	show hlr-stats	show hlr-sctp-stats	show interface
show internal-subnet	show ip	show license	show lma-connectivity-stats	show lma-signaling-stats
show logs-filter	show meminfo	show ntp	show radius-proxy-stats	show radius-server-stats
show report-result	show rogue-aps	show running-config	show service	show snapshot-disk-state

Table 169. Show commands

<a href="#">show ttg-client</a>	<a href="#">show upgrade-history</a>	<a href="#">show upgrade-state</a>	<a href="#">show version</a>	<a href="#">show zone</a>
---------------------------------	--------------------------------------	------------------------------------	------------------------------	---------------------------

## show 3rd zone

To view the 3rd Party AP zone states, use the following command:

**ruckus# show 3rd-zone**

### Syntax Description

This command uses the following syntax:

<name> ap

<name>: AP zone name

ap: AP list of a specific AP zone

<name> client <client-mac>

<name>: AP zone name

client: Client list of a specific AP zone

<client-mac>: Client MAC address

<name> ttg-client <client-mac>

<name>: AP zone name

ttg-client: TTG client list of a specific AP zone

<client-mac>: Client MAC address

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show 3rd-zone indus45-rd1
```

## show admin-activity

To view the activities of an administrator account, use the following command:

```
ruckus# show admin-activity
```

### Syntax Description

This command uses the following syntax:

```
admin <username>  
    admin: Filtered by user  
    <username>: User name  
ip <ip>  
    ip: Filtered by browser IP  
    <ip>: Browser IP  
resource <resource> <action>  
    resource: Filtered by resource  
    <resource>: Resource  
    <action>: Resource action  
datetime <from-time> <to-time>  
    datetime: Filtered by datetime  
    <from-time>: From time  
    <to-time>: To time
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show admin-activity scg_admin
```

## show alarm

To see the outstanding access point alarms, use the following command:

```
ruckus# show alarm
```

### Syntax Description

This command uses the following syntax:

```
category <alarm-category> | source [ cluster | client | ap | mvno | scg ] [ data-  
plane | control-plane ] <name>
```

source: Filtered by Source

cluster: Cluster

client: Client

ap: Access Point

mvno: MVNO system

scg: SCG system

data-plane: Data Plane

control-plane: Control Plane

<name>: Plane name

category <alarm-category>: Alarm category

category; Filtered by alarm category

AP\_Communication

AP\_State\_Change

Accounting

Authentication

Authorization

C\_D\_Interface

Cluster

Configuration

Dataplane

Ga\_Interface

Gn\_S2a\_Interface

Gr\_Interface

IPMI



License  
System  
Threshold  
Tunnel - Access Point  
control-plane <name>  
    control-plane: Control Plane  
    <name>: Plane name  
data-plane <name>  
    data-plane: Data Plane  
    <name>: Plane name  
[ ap-mac | zone ] <value>  
    ap-mac: AP MAC address  
    zone: AP Zone name  
    <value>: Filter Value  
status [ outstanding | cleared ]  
    status: Filtered by Status  
    outstanding: Outstanding  
    cleared: Cleared  
ack-time <ack-from-time> <ack-to-time>  
    ack-time: Filtered by Acknowledge Time  
    <ack-from-time>: From time  
    <ack-to-time>: To time  
datetime <from-time> <to-time>  
    datetime: Filtered by Datetime  
    <from-time>: From time  
    <to-time>: To time  
severity [ minor | info | major | critical | warn ]  
    severity: Filtered by Severity  
    minor: Minor  
    info: Informational  
    major: Major  
    critical: Critical

warn: Warning  
type <alarm-type>  
type: Filtered by Type  
<alarm-type>: Alarm type

### Default

This command has no default settings.

### Command Mode

privileged

### Example

```
ruckus# show alarm category session control-plane indus7-c
```

## show ap

To display details about a particular access point, use the following command:

```
ruckus# show ap <mac> mesh [ neighbors | topology ]
```

### Syntax Description

This command uses the following syntax:

mac - Displays the specified MAC address  
neighbors - Displays the AP mesh neighbors  
topology: Displays the AP mesh topology

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ap 84:18:3A:39:C8:50 mesh  
neighbors      Show AP Mesh neighbors  
topology       Show AP Mesh topology
```

## show ap-certificate-status

To show the status of AP certificates, use the following command:

```
ruckus# show ap-certificate-status [ request | update ]
```

### Syntax Description

This command uses the following syntax:

request - Shows AP certificate request status

update - Shows AP certificate update status

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ap-certificate-status
```

## show ap-stats

To display the AP statistics, use the following command:

```
ruckus# show ap-stats
```

### Syntax Description

This command uses the following syntax:

```
<mac> type [data-throughput | client-count | client-association ] ap period [ 30-d | 8-h | 24-h | 7-d ]
```

<mac>: AP MAC address

type: Statistics data type

data-throughput: Data throughput

client-count: Client count

client-association: Client associations

ap: Per AP

period: Statistics period

30-d: 30 days

8-h: 8 hours

24-h: 24 hours

7-d: 7 days

```
<mac> type [ data-throughput | client-association | client-count ] radio [ 2.4g | 5g ] period [ 8-h | 30-d | 7-d | 24-h ]
```

<mac>: AP MAC address

type: Statistics data type

data-throughput: Data throughput

client-association: Client associations

client-count: Client count

radio: Per Radio

2.4g: 2.4 GHz radio

5g: 5 GHz radio

period: Statistics period

8-h: 8 hours

30-d: 30 days

7-d: 7 days

24-h: 24 hours

```
<mac> type [ client-count | client-association | data-throughput ] zone <name>
```

```
wlan <ssid> period [ 8-h | 24-h | 7-d | 30-d ]
```

<mac>: AP MAC address

type: Statistics data type

client-count: Client count

client-association: Client associations

data-throughput: Data throughput

zone: AP Zone

<name>: AP Zone name

wlan: WLAN

<ssid>: WLAN SSID

period: Statistics period

8-h: 8 hours

24-h: 24 hours

7-d: 7 days

30-d: 30 days

```
<mac> type [ client-association | data-throughput | client-count ] zone <name>
```

```
wlan <ssid> radio [ 2.4g | 5g ] period [ 30-d | 8-h | 24-h | 7-d ]
```

<mac>: AP MAC address

type: Statistics data type

client-association: Client associations

data-throughput: Data throughput

client-count: Client count

zone: AP Zone

<name>: AP Zone name

wlan: WLAN

<ssid>: WLAN SSID

radio: Per Radio

2.4g: 2.4 GHz radio

5g: 5 GHz radio

period: Statistics period

30-d: 30 days

8-h: 8 hours

24-h: 24 hours

7-d: 7 days

<mac> type client-os

<mac>: AP MAC address

type: Statistics data type

client-os: Client OS types

<mac> type client-os zone <name> wlan <ssid>

<mac>: AP MAC address

type: Statistics data type

client-os: Client OS types

zone: AP Zone

<name>: AP Zone name

wlan: WLAN

<ssid>: WLAN SSID

<mac> type rks-gre period [ 7-d | 30-d | 8-h | 24-h ]

<mac>: AP MAC address

type: Statistics data type

rks-gre: Ruckus GRE tunnel usage

period: Statistics period

7-d: 7 days

30-d: 8 hours

8-h: 8 hours

24-h: 24 hours

<mac> type air-time radio [ 2.4g | 5g ] period [ 8-h | 30-d | 7-d | 24-h ]

<mac>: AP MAC address

type: Statistics data type

air-time: Air Time

radio: Per Radio

2.4g: 2.4 GHz radio

5g: 5 GHz radio

period: Statistics period

8-h: 8 hours

30-d: 8 hours

7-d: 7 days

24-h: 24 hours

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ap-stats 6C:AA:B3:26:68: air-time radio 5g period
7-d
```

## show backup

To display a list of available system backup versions, use the following command:

```
ruckus# show backup
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup
idx version date
-----
1 1.1.0.0.207 2012-10-16 06:46:07 GMT
2 1.1.0.0.209 2012-10-17 05:20:51 GMT
```

## show backup-config

To display a list of available configuration backup versions, use the following command:

```
ruckus# show backup-config
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-config
Available backup configurations:
1: Configuration_20121219071503GMT_1.1.0.0.246.bak 2012-12-19
07:15:03 GMT
```

## show backup-config-state

To display the status of the available configuration backup, use the following command:

```
ruckus# show backup-config-state
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-config-state
No running configuration
```



## show backup-network

To display backup network configuration versions, use the following command:

```
ruckus# show backup-network
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-network
```

## show backup-schedule

To display the schedule of system backup versions, use the following command:

```
ruckus# show backup-schedule
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-schedule
```

## show backup-state

To display the system backup state, use the following command:

```
ruckus# show backup-state
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-state
```

## show backup-upgrade-state

To display the system backup system backup and upgrade state, use the following command:

```
ruckus# show backup-upgrade-state
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show backup-upgrade-state  
No running configuration
```

## show cgf-cnrxn-stats

To display the CGF connectivities statistics, use the following command:

```
ruckus# show cgf-cnrxn-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cgf-cnrxn-stats
```

## show cgf-tx-stats

To display the CGF transactions statistics, use the following command:

```
ruckus# show cgf-tx-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cgf-tx-stats
```

## show client

To display current AP associated client sessions, use the following command:

```
ruckus# show client
```

### Syntax Description

This command uses the following syntax:

<client-mac>: Client MAC address

<mac-address>: MAC address of the wireless client

<zone-name>: Zone name.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show client 00:03:00:15:40:08
General Information
-----
STA MAC Address : 00:03:00:15:40:08
IP Address : 1.21.64.8
User Name :
Auth Method : NONE
Encryption Method :
Connected Since :
OS Type :
Host Name :
Status : Unauthorized
AP Zone : Antonio-Sim
Access Point : Sim-21
-----
Channel : 0
VLAN : 1
SNR (dB) : 32
Packets from Client : 0
Bytes from Client : 67.3K
Packets to Client : 0
Bytes to Client : 134.6K
Dropped Packets to Client : 427.9K
```

```
# of Events  
Critical : 0  
Major : 0  
Minor : 0  
Warning : 0  
Informational : 0
```

## show clock

To display the current GMT date and time, use the following command:

```
ruckus# show clock
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus> show clock  
2015-03-24 09:23:28 GMT
```

## show cls-sess

To display the session information of a user equipment at a node level as per the MSISDN, use the following command:

```
ruckus# show cls-sess <ms-isdn>
```

### Syntax Description

This command uses the following syntax:

```
msisdn <msisdn>: MSISDN and MSISDN value
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cls-sess msisdn 123456789012345
```

## show cls-sess-range

To display the session details of a user equipment created on or after the specified time at a node level, use the following command:

```
ruckus# show cls-sess-range < sess establishment timestamp> <number of sessions>
```

### Syntax Description

This command uses the following syntax:

<sess establishment timestamp>: Timestamp on session establishment in the format hh/mm/ss. For example: 23/06/30

<number of sessions>>: Indicates the number of connected sessions to the controller

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cls-sess-range 230450 1
```

## show cluster

To display the system cluster settings, use the following command:

```
ruckus# show cluster
```

### Syntax Description

This command uses the following syntax:

<name>: Name of the cluster

<ip-list>: Cluster node IP list

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cluster ip-list  
Cluster Node IPs: 183.238.236.243
```

## show cluster-state

To display the system cluster state, use the following command:

```
ruckus# show cluster-state
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cluster-state
```

## show control-plane

To display the list of control planes on the controller, use the following command:

```
ruckus# show control-plane <name>
```

### Syntax Description

This command uses the following syntax:

name: Name of the controlplane

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show control-plane SCG186-C
```

Serial Number : 00000086  
Model : SCG1k  
Description : SCG186  
Management IP : 172.17.20.186  
Cluster IP : 10.2.1.186  
Control IP : 10.2.0.186  
Firmware : 1.1.1.0.32  
Status : In\_Service  
Role : Follower  
# of APs : 1,233  
Total Memory : 47.21G  
Total Disk : 500.76G  
# of Ports : 6  
Manage : SCG186-D1 SCG186-D0

Resource Utilization Summary

-----  
Resource Data Type Last 15 Minutes Last 1 Hour Last 24 Hours  
CPU Max\_Utilization 31% 31% 41%  
Memory Max\_Utilization 40% 40% 43%  
Disk Max\_Utilization 25% 25% 25%  
Control Interface (Port 0) Bytes(Tx/Rx) 283.79M/246.0M 987.38M/  
877.0M 24.69G/22.09G  
Control Interface (Port 0) Pkts(Tx/Rx/Tx Dropped/Rx Dropped)  
1423791/1400794/0/0 4874128/4866948/0/0 113893537/114241325/0/0  
Control Interface (Port 3) Bytes(Tx/Rx) 0/0 0/0 0/0  
Control Interface (Port 3) Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 0/  
0/0/0 0/0/0/0 0/0/0/0  
Cluster Interface (Port 1) Bytes(Tx/Rx) 468.83K/1.67M 1.83M/  
8.84M 39.49M/159.63M  
Cluster Interface (Port 1) Pkts(Tx/Rx/Tx Dropped/Rx Dropped)  
3489/21795/0/0 13999/87703/0/0 308988/2114188/0/0  
Cluster Interface (Port 4) Bytes(Tx/Rx) 0/0 0/0 0/0  
Cluster Interface (Port 4) Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 0/  
0/0/0 0/0/0/0 0/0/0/0  
Mgmt Interface (Port 2) Bytes(Tx/Rx) 2.41M/2.62M 10.6M/11.89M  
350.15M/617.04M  
Mgmt Interface (Port 2) Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 19471/  
33600/0/0 37374/118176/0/0 470838/2641261/0/0  
Mgmt Interface (Port 5) Bytes(Tx/Rx) 0/0 0/0 0/0  
Mgmt Interface (Port 5) Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 0/0/  
0/0 0/0/0/0 0/0/0/0



## show control-plane-stats

To display control plane status, use the following command:

```
ruckus# show control-plane-stats <name>
```

### Syntax Description

This command uses the following syntax:

```
<name> type [ memory | disk | cpu ] period [ 7-d | 30-d | 24-h | 8-h ]
```

<name>: Controlplane name

type: Statistics data type

memory: Memory usage

disk: Disk usage

cpu: CPU usage

period: Statistics period

7-d: 7 days

30-d: 8 hours

24-h: 24 hours

8-h: 8 hours

```
<name> type port [ 3 | 0 | 1 | 4 | 2 | 5 ] period [ 8-h | 30-d | 24-h | 7-d ]
```

<name>: Controlplane name

type: Statistics data type

port: Port usage

3: Port 3

0: Port 0

1: Port 1

4: Port 4

2: Port 2

5: Port 5

period: Statistics period

8-h: 8 hours

30-d: 8 hours

24-h: 24 hours

7-d: 7 days

<name> type interface [ management | control | cluster ] period [ 24-h | 7-d | 8-h | 30-d ]

<name>: Controlplane name  
type: Statistics data type  
interface: Interface usage  
management: Management interface  
control: Control interface  
cluster: Cluster interface  
period: Statistics period  
24-h: 24 hours  
7-d: 7 days  
8-h: 8 hours  
30-d: 8 hours

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show control-plane-stats INDUS4-C type
cpu          CPU usage
disk         Disk usage
interface    Interface usage
memory       Memory usage
port         Port usage
```

```
ruckus# show control-plane-stats INDUS4-C type cpu period
7-d         7 days
8-h         8 hours
24-h        24 hours
30-d        30 days
```

```
ruckus# show control-plane-stats INDUS4-C type cpu period 8-h
No.  Time                               MAX      AVG      MIN
-----
1    2015-04-05 22:45:00 GMT             6.6%    0.56%   0.13%
```

2	2015-04-05 23:00:00 GMT	5.68%	0.43%	0.13%
3	2015-04-05 23:15:00 GMT	6.7%	0.53%	0.14%
4	2015-04-05 23:30:00 GMT	5.67%	0.44%	0.13%
5	2015-04-05 23:45:00 GMT	6.61%	0.55%	0.13%
6	2015-04-06 00:00:00 GMT	5.62%	0.44%	0.13%
7	2015-04-06 00:15:00 GMT	6.73%	0.63%	0.13%
8	2015-04-06 00:30:00 GMT	6.12%	0.44%	0.14%

## show counter

To display the database counter values, use the following command:

```
ruckus# show counter <user> <devices>
```

### Syntax Description

This command uses the following syntax:

users: Users counter

devices: Devices counter

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show counter users
Guest credentials      : 0
Local users           : 0
Remote users          : 0
-----
Total users           : 0
```

## show cpuinfo

To display the current CPU usage status, use the following command:

```
ruckus# show cpuinfo
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show cpuinfo
processor : 0
model name : Intel(R) Xeon(R) CPU E5645 @ 2.40GHz
processor : 1
model name : Intel(R) Xeon(R) CPU E5645 @ 2.40GHz
processor : 2
model name : Intel(R) Xeon(R) CPU E5645 @ 2.40GHz
```

## show data-plane

To display a list of data planes on the controller, use the following command:

```
ruckus# show data-plane
```

### Syntax Description

This command uses the following syntax:

name: Name of the dataplane.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show data-plane SCG187-D1
Serial Number : 2.0G1110-FP700083
```

```
Model : CN5750p2.1-750-SSP
IP Address : 169.254.255.10
MAC Address : 00:1D:2E:87:00:18
Firmware : 1.1.1.0.29
Status : Fault
# of Tunnels : 0
Managed By : SCG187
Uptime : 23h 37m
```

#### Network Usage Summary

```
-----
Resource Data Type Last 15 Minutes Last 1 Hour Last 24 Hours
Port 0 Bytes(Tx/Rx) 0/0 0/0 0/0
Port 0 Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 0/0/0/0 0/0/0/0 0/0/0/0
Port 1 Bytes(Tx/Rx) 0/0 0/0 0/0
Port 1 Pkts(Tx/Rx/Tx Dropped/Rx Dropped) 0/0/0/0 0/0/0/0 0/0/0/0
```

## show data-plane-stats

To display dataplane statistics, use the following command:

```
ruckus# show data-plane-stats
```

### Syntax Description

This command uses the following syntax:

```
<name> type port [ 1 | 0 ] period [ 8-h | 7-d | 24-h | 30-d ]
```

<name>: Data Plane name

type: Statistics data type

port: Port usage

1: Port 1

0: Port 0

period: Statistics period

8-h: 8 hours

7-d: 7 days

24-h: 24 hours

30-d: 8 hours

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show data-plane stats
```

## show dhcp-relay-stats

To display a list of DHCP relay statistics, use the following command:

```
ruckus# show dhcp-relay-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show dhcp-relay-stats
```

## show dhcp-server-stats

To display a list of DHCP server statistics, use the following command:

```
ruckus# show dhcp-server-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show dhcp-server-stats
```

## show diameter-gx-stats

To display the diameter Gx statistics, use the following command:

```
ruckus# show diameter-gx-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show diameter-gx-stats
```

## show diameter-sta-stats

To display the diameter STA statistics, use the following command:

```
ruckus# show diameter-sta-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show diameter-sta-stats
```

## show diameter-stats

To display the diameter server statistics, use the following command:

```
ruckus# show diameter-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
SCG00# show diameter-stats
```

## show diskinfo

To display the current disk usage on the controller, use the following command:

```
ruckus# show diskinfo
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show diskinfo
Filesystem 1K-blocks Used Available Use% Mounted on
rootfs 20642428 352268 19241584 2% /
/dev/root 20642428 352268 19241584 2% /
/dev/sda1 10321208 117812 9679108 2% /boot
/dev/mapper/vg00-lv00
525084552 136105168 362306644 28% /mnt
tmpfs 1048576 684 1047892 1% /tmp
tmpfs 24753476 0 24753476 0% /dev/shm
```



## show event

To see events based on staging zones, use the following command:

```
ruckus# show event
```

### Syntax Description

This command uses the following syntax:

```
category <event-category>
```

category: Filtered by event category

<event-category>: Event category

```
control-plane <name>
```

control-plane: Control Plane

<name>: Plane name

```
data-plane <name>
```

data-plane: Data Plane

<name>: Plane name

```
[ zone | ap-mac ] <value>
```

zone: AP Zone name

ap-mac: AP MAC address

<value>: Filter Value

```
3rd-zone <value>
```

3rd-zone: Third Party AP Zone name

<value>: Filter Value

```
<client-mac>
```

<client-mac>: Client MAC address

```
datetime <from-time> <to-time>
```

datetime: Filtered by Datetime

<from-time>: From time

<to-time>: To time

```
severity [ warn | debug | major | critical | info | minor ]
```

severity: Filtered by Severity

warn: Warning

debug: Debug

major: Major

critical: Critical  
info: Informational  
minor: Minor  
type <event-type>  
type: Filtered by Type  
<event-type>: Event type

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show event A1:87:45:34:56:FE
```

## show ggsn-cnxxn-stats

To display GGSN Connections statistics, use the following command:

```
ruckus# show ggsn-cnxxn-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ggsn-cnxxn-stats
```

## show ggsn-gtpc-stats

To display GGSN GTP-C sessions statistics, use the following command:

```
ruckus# show ggsn-gtpc-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ggsn-gtpc-stats
```

## show history

To display a list of CLI commands that have recently been executed, use the following command:

```
ruckus# show history
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show history
0. enable
1. show domain "Administration Domain"
2. show dp-group
3. show ftp-server
4. show history
```

## show hlr-stats

To display a list of HRL statistics, use the following command:

```
ruckus# show hlr-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show hlr-stats
```

## show hlr-sctp-stats

To display a list of HLR Sctp associations statistics, use the following command:

```
ruckus# show hlr-sctp-stats
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show hlr-sctp-stats
```

## show interface

To display the interface runtime status, use the following command:

```
ruckus# show interface <cluster> <control> <management> <user-
defined>
```

### Syntax Description

This command uses the following syntax:

cluster - Cluster interface  
control - Control interface  
management - Management interface  
user-defined - User defined interface

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show interface
Interfaces
-----
Interface      : Control
IP Mode        : DHCP
IP Address     : 184.21.160.66
Subnet Mask    : 255.255.255.240
Gateway       : 184.21.160.65

Interface      : Cluster
IP Mode        : None
IP Address     : 184.21.160.84
Subnet Mask    : 255.255.255.240
Gateway       : 184.21.160.81

Interface      : Management
IP Mode        : DHCP
IP Address     : 172.19.10.4
Subnet Mask    : 255.255.0.0
Gateway       :
```

```
Access & Core Separation      : Disabled
Default Gateway Interface     : Control
Primary DNS Server            : 172.19.0.5
Secondary DNS Server          : 4.2.2.2
```

User Defined Interfaces

---

## show internal-subnet

To display the runtime internal subnet prefix, use the following command:

```
ruckus# show internal-subnet
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show internal-subnet
Internal Subnet Prefix: 10.254.1
```

## show ip

To display information about controller static route, use the following command:

```
ruckus# show ip <route static>
```

### Syntax Description

This command uses the following syntax:

route: IP routing table

static: Static routes

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ip route static
=====
Static Routes
=====
IP Address Metric Subnet Mask Gateway Interface
172.17.20.0 255.255.254.0 10.2.0.1 Management
```

## show license

To display information about the current controller license, use the following command:

```
ruckus# show license
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
License Summary
```

```
-----  
License Type #of Units Total #of Units Consumed #of Units  
Available  
WiFi Controller License 10 1 (10%) 9 (90%)  
AP Direct Tunnel License 10 0 (0%) 10 (100%)  
SCG 3GPP Tunneling License 10 0 (0%) 10 (100%)  
SCG 3rd Party APs License 10 NA NA
```

## show lma-connectivity-stats

To display the LMA connectivity status, use the following command:

```
ruckus# show lma-connectivity-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show lma-connectivity-stats
```

## show lma-signaling-stats

To display the LMA signalling status, use the following command:

```
ruckus# show lma-signaling-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show lma-signaling-stats
```



## show logs-filter

To display the LMA signalling status, use the following command:

```
ruckus# show logs-filter
```

### Syntax Description

This command has the following syntax:

- client <mac>
  - client: Client MAC
  - <mac>: STA MAC Address
- client <mac> copy <ftp-url>
  - client: Client MAC
  - <mac>: STA MAC Address
  - copy: Copy STA real-time tracing log to external FTP server
  - <ftp-url>: FTP directory URL, Format:ftp://<username>:<password>@<ftp-host>[</dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show logs-filter
ruckus(config)# show logs-filter client 44:44:44:44:44:44
copy      Copy STA real-time tracing log to external FTP server
      <cr>
ruckus(config)# show logs-filter client 44:44:44:44:44:44 copy
      <ftp-url>      FTP directory URL, Format:ftp://<username>:<password>@<ftp-
      host>[</dir-path>]

ruckus(config)# show logs-filter client 44:44:44:44:44:44 copy ftp://
      ftp@172.18.196.22
```

## show meminfo

To view the current memory usage status, use the following command:

```
ruckus# show meminfo
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Enable

### Example

```
ruckus# show meminfo
MemTotal: 8202196 kB
MemFree: 1957064 kB
Buffers: 46772 kB
Cached: 183088 kB
SwapCached: 0 kB
total used free shared buffers cached
Mem: 8202196 6245132 1957064 0 46772 183088
-/+ buffers/cache: 6015272 2186924
Swap: 4194300 0 4194300
```

## show ntp

To view the NTP status, use the following command:

```
ruckus# show ntp <associations>
```

### Syntax Description

This command uses the following syntax:

associations: NTP peer status.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ntp associations
remote refid st t when poll reach  delay  offset  jitter
=====
ns02.hns.net.in .INIT. 16 u   - 1024   0   0.000   0.000   0.000
*LOCAL(0) LOCL. 12 l   43     64 377   0.000   0.000   0.000
```

## show radius-proxy-stats

To view statistics of RADIUS proxy on controller, use the following command:

```
ruckus# show radius-proxy-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show radius-proxy-stats
No.  MVNO Account Control Plane AAA IP Created On Last Modified
On NAS Type Auth Accounting ACCESS Request ACCESS Challenge
ACCESS Accept ACCESS Reject Account Request Accounting Response
CoA (AAA)  DM (AAA)  DM (NAS)  Dropped requests due to rate
Limiting (Auth/Acc) AP Accounting AP Accounting Request/
Response CoA (NAS)  CoA Autz Only
-----
1 Super INDUS4-C 104.0.0.25 2015-03-20 12:46:20 GMT 2015-03-24
09:37:47 GMT Ruckus AP 0/0/0 0/0 6/6 0/0 0/0 0/0 6/6 0/0 0/0/0
0/0/0 0/0/0 0/0 0/2 6/0 0/0/0 0/0/0

2 Super INDUS4-C 104.0.0.2 2015-03-20 10:29:33 GMT 2015-03-24
09:37:47 GMT Ruckus AP 25/50/0 17/0 117/117 36/36 25/25 50/50
48/48 45/45 0/0/0 0/0/0 0/0/0 0/0 11/1 35/32 0/0/0 0/0/0
```

## show radius-server-stats

To view statistics of RADIUS server on controller, use the following command:

```
ruckus# show radius-server-stats
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show radius-server-stats
No. MVNO Account Control Plane AAA IP Created On Last Modified
On NAS Type Auth Type Auth(Perm) Auth(Psd) Auth(Fast Auth)
Auth(Failed) ACCESS Accounting Session Accounting Request AP
Accounting AP Accounting Request/Response AP Accounting ON
Request AP Accounting OFF Request
-----
1 Super INDUS4-C 184.21.160.84 2015-03-20 09:49:56 GMT 2015-
03-23 10:01:29 GMT Ruckus AP 0/0 0/0 0/0 0/0/0 0/0/0/0 0/0
0/0 0/0 0/0 16/16 4/4
```

## show report-result

To view report results or to view a specific report, use the following command:

```
ruckus# show report-result <report-title>
```

### Syntax Description

This command uses the following syntax:

```
report-title: Report title
```

### Default

This command has no default settings.

### Command Mode

Privileged

**Example**

```
ruckus# show report-result report1
No.Date and Time Title Report Template Result Links Status Time
Taken
-----
1 2014-04-25 09:02:26 GMT Report1Client Number CSV Success 43ms
2 2014-04-25 00:00:02 GMT Report1 Client Number CSV Success 19ms
3 2014-04-24 00:00:02 GMT Report1 Client Number CSV Success 23ms
4 2014-04-23 00:00:02 GMT Report1 Client Number CSV Success 20ms
```

## show rogue-aps

To view the rogue access points, use the following command:

```
ruckus# show rogue-aps rogueMac ${rogueMac}
ruckus# show rogue-aps type [ MaliciousAP(SSID-spoof) | Ad-hoc | Rogue
| MaliciousAP(Same-Network) | MaliciousAP(MAC-spoof) |
RogueAPtimeout ]
```

**Syntax Description**

This command uses the following syntax:

rogueMac: The MAC IP address of the rogue AP  
 \${rogueMac}: MAC IP address  
 type: Rogue type  
 MaliciousAP(SSID-spoof): Malicious AP (SSID-spoof)  
 Ad-hoc: Ad-hoc  
 Rogue: Rogue  
 MaliciousAP(Same-Network): Malicious AP (Same-Network)  
 MaliciousAP(MAC-spoof): Malicious AP (MAC-spoof)  
 RogueAPtimeout: Rogue AP timeout

**Default**

This command has no default settings.

**Command Mode**

Privileged

### Example

```
ruckus# show rogue-aps
rogue-mac      Rogue AP MAC
rogue-type     Rogue AP Type

ruckus# show rogue-aps rogue-type
ad-hoc         ad-hoc
mac-spoofing   Malicious AP (MAC-spoof)
rogue          Rogue
same-network   Malicious AP (Same-Network)
ssid-spoofing  Malicious AP (SSID-spoof)
```

## show running-config

To view the current system configuration, use the following commands:

```
ruckus# show running-config
```

### Syntax Description

This command uses the following syntax:

```
3rd-zone <name>
    3rd-zone:
    <name>: 3rd party AP zone name
3rd-zone <name> wlan <ssid>
    3rd-zone: Shows 3rd party AP Zone configurations
    <name>: 3rd party AP Zone name
    wlan: 3rd party AP Zone WLAN
    <ssid>: WLAN SSID
3rd-zone <name> default-wlan
    3rd-zone: Shows 3rd party AP Zone configurations
    <name>: 3rd party AP Zone name
    default-wlan: 3rd party AP Zone Default WLAN
zone <name>
    zone: Shows the AP zone configurations
    <name>: AP Zone name
zone <name> ap <mac>
    zone: Shows the AP zone configurations
```

<name>: AP zone name  
ap: Shows the AP configurations  
<mac>: AP MAC address  
zone <name> wlan <name>  
zone: Shows the AP zone configurations  
<name>: AP zone name  
wlan: Shows the WLAN configurations  
<name>: WLAN name  
zone <name> wlan-scheduler <name>  
zone: Shows AP Zone configurations  
<name>: AP Zone name  
wlan-scheduler: Shows WLAN Scheduler configurations  
<name>: WLAN Scheduler name  
zone <name> aaa <name>  
zone: Shows the AP zone configurations  
<name>: AP Zone name  
aaa: Shows the AAA server configurations  
<name>: AAA server name  
zone <name> hotspot <name>  
zone: Shows the AP zone configurations  
<name>: AP zone name  
hotspot: Shows the WISPr (hotspot) configurations  
<name>: WISPr (Hotspot) name  
zone <name> guest-access <name>  
zone: Shows AP zone configurations  
<name>: AP zone name  
guest-access: Show guest access configurations  
<name>: Guest access name  
zone <name> web-authentication <name>  
zone: Shows AP zone configurations  
<name>: AP zone name  
web-authentication: Shows Web authentication configurations

<name>: Web authentication name  
zone \${zoneKey} hotspot20-wlan-profile <name>  
zone:  
\${zoneKey}:  
hotspot20-wlan-profile: Shows hotspot 2.0 WLAN profile configuration  
<name>: Hotspot 2.0 WLAN profile name  
zone \${zoneKey} hotspot20-venue-profile <name>  
zone:  
\${zoneKey}:  
hotspot20-venue-profile: Shows the hotspot 2.0 venue profile configuration  
<name>: Hotspot 2.0 venue profile name  
zone <name> ap-group <name>  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap-group: Shows the AP group configurations  
<name>: AP group name  
zone <name> wlan-group <name>  
zone: Shows the AP zone configurations  
<name>: AP zone name  
wlan-group: Shows the WLAN group configurations  
<name>: WLAN group name  
zone <name> ap-model <name>  
zone: Shows the AP zone configurations  
<name>: AP Zone name  
ap-model: Shows the AP model configurations  
<name>: AP model name  
zone <name> ap-registration-rule <priority>  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap-registration-rule: Shows the AP registration rules configurations  
<priority>: AP registration rule priority  
zone-global [ country-code | ap-sci | ap-gre-tunnel ]



zone-global: Shows the zone global configurations  
country-code: Shows the default country code for new zone  
ap-sci: Shows the AP SCI  
ap-gre-tunnel: Shows the AP GRE tunnel UDP port  
zone <name> diffserv <name>  
zone: Shows AP zone configurations  
<name>: AP zone name  
diffserv: Show diffServ configurations  
<name>: DiffServ name  
zone <name> vlan-pooling <name>  
zone: Shows AP zone configurations  
<name>: AP zone name  
vlan-pooling: Show VLAN pooling configurations  
<name>: VLAN pooling profile name  
zone \${zoneKey} bonjour-gateway  
zone: Shows the bonjour gateway zone configurations  
\${zoneKey}:  
bonjour-gateway: Shows the bonjour gateway  
zone \${zoneKey} bonjour-policy <name>  
zone:  
\${zoneKey}:  
bonjour-policy: Shows the bonjour policy  
<name>: Policy name  
zone \${zoneKey} device-policy <name>  
zone:  
\${zoneKey}:  
device-policy: Shows the device policy  
<name>: Policy Name  
zone \${zoneKey} l2-acl <name>  
zone:  
\${zoneKey}:  
l2-acl: Shows the Layer 2 Access Control List (ACL)

<name>: ACL Name

ap <mac>  
ap: Shows the AP configurations  
<mac>: AP MAC address

ap  
ap: Shows the AP configurations

ap-heartbeat  
ap-heartbeat:

ap-auto-tagging  
ap-auto-tagging: Shows the critical AP auto tagging rule configurations

ap-cert-check  
ap-cert-check:

ap-root-ca  
ap-root-ca

bridge-profile <name>  
bridge-profile  
<name>: Bridge profile name

l2ogre-profile <name>  
l2ogre-profile:  
<name>: L2oGRE Profile name

l3ogre-profile <name>  
l3ogre-profile:  
<name>: L3oGRE Profile name

ttg-pdg-profile <name>  
ttg-pdg-profile:  
<name>: TTG PDG profile name

pmipv6-profile <name>  
pmipv6-profile:  
<name>: PMIPv6 profile name

adv-forwarding-profile <name>  
adv-forwarding-profile:  
<name>: Advanced (mixed mode) profile name

lbs-service <name>

lbs-service: Shows the LBS service name  
<name>: LBS service name

sms-server  
sms-server: Shows the SMS server configurations

admin <username>  
admin:  
<username>: User name

admin-radius <name>  
admin-radius:  
<name>: RADIUS server name

role <name>  
role:  
<name>: Role name

mvno <name>  
mvno:  
<name>: MVNO domain name

user-role <name>  
user-role: Show the user's role name  
<name>: User role name

subpackages <name>  
subpackages: Shows the subscription packages configurations  
<name>: Subscription packages

domain <name>  
domain: Shows the management domain configurations  
<name>: Domain name

domain <name> zone <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations of a specific domain  
<name>: AP zone name

domain <name> 3rd-zone <name>  
domain: Shows the management domain configurations  
<name>: Domain name

3rd-zone: Shows the third party AP zone configurations of a specific domain  
<name>: Third Party AP Zone name

domain <name> 3rd-zone <name> wlan <ssid>  
domain: Shows the management domain configurations  
<name>: Domain name  
3rd-zone: Shows 3rd party AP zone configurations of a specific domain  
<name>: 3rd party AP zone name  
wlan: 3rd party AP zone WLAN  
<ssid>: WLAN SSID

domain <name> 3rd-zone <name> default-wlan  
domain: Shows the management domain configurations  
<name>: Domain name  
3rd-zone: Shows 3rd party AP zone configurations of a specific domain  
<name>: 3rd party AP zone name  
default-wlan: 3rd party AP zone default WLAN

domain <name> zone <name> ap <mac>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap: Shows the AP configurations  
<mac>: AP MAC address

domain <name> zone <name> wlan <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Show AP zone configurations  
<name>: AP zone name  
wlan: Show WLAN configurations  
<name>: WLAN name

domain <name> zone <name> aaa <name>  
domain: Shows the management domain configurations  
<name>: Domain name

zone: Show AP zone configurations  
<name>: AP zone name  
aaa: Show AAA server configurations  
<name>: AAA server name  
domain <name> zone <name> hotspot <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Show AP zone configurations  
<name>: AP zone name  
hotspot: Shows the WISPr (Hotspot) configurations  
<name>: WISPr (Hotspot) name  
domain <name> zone <name> hotspot20-wlan-profile <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Show AP zone configurations  
<name>: AP zone name  
hotspot20-wlan-profile: Shows the hotspot 2.0 WLAN profile configurations  
<name>: Hotspot 2.0 WLAN profile configurations name  
domain <name> zone <name> hotspot20-venue-profile <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Show AP zone configurations  
<name>: AP zone name  
hotspot20-venue-profile: Shows the hotspot 2.0 venue profile configurations  
<name>: Show hotspot 2.0 venue profile name  
domain <name> zone <name> ap-group <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap-group: Shows the AP group configurations  
<name>: AP group name

domain <name> zone <name> wlan-group <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations  
<name>: AP Zone name  
wlan-group: Shows the WLAN group configurations  
<name>: WLAN group name

domain <name> zone <name> ap-model <name>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap-model: Shows the AP model configurations  
<name>: AP model name

domain <name> zone <name> ap-registration-rule <priority>  
domain: Shows the management domain configurations  
<name>: Domain name  
zone: Shows the AP zone configurations  
<name>: AP zone name  
ap-registration-rule: Shows the AP registration rules configurations  
<priority>: AP registration rule priority

zone-template <name>  
zone-template:  
<name>: AP zone template name

zone-template <name> wlan-group <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
wlan-group: Shows the WLAN group configurations  
<name>: WLAN group name

zone-template <name> wlan <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name

wlan: Show WLAN configurations  
<name>: WLAN name

zone-template <name> aaa <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
aaa: Shows the AAA server configurations  
<name>: AAA server name

zone-template <name> hotspot <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
hotspot: Shows the WISPr (Hotspot) configurations  
<name>: WISPr (Hotspot) name

zone-template <name> hotspot20-wlan-profile <name>  
zone-template: Shows AP zone template configurations  
<name>: AP zone template name  
hotspot20-wlan-profile: Shows hotspot 2.0 WLAN profile configurations  
<name>: Hotspot 2.0 WLAN profile name

zone-template <name> hotspot20-venue-profile <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
hotspot20-venue-profile: Shows the hotspot 2.0 venue profile configurations  
<name>: Hotspot 2.0 venue profile name

zone-template <name> wlan-scheduler <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
wlan-scheduler: Shows the WLAN scheduler configurations  
<name>: WLAN scheduler name

zone-template <name> ap-group <name>  
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
ap-group: Shows the AP group configurations  
<name>: AP group name

```
zone-template ${templateName} ap-group ${apGroupName} ap-model  
${apModel}
```

```
zone-template:  
${templateName}:  
ap-group:  
${apGroupName}:  
ap-model:  
${apModel}:
```

```
zone-template <name> ap-model <name>
```

```
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
ap-model: Shows the AP model configurations  
<name>: AP model name
```

```
zone-template <name> diffserv <name>
```

```
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
diffserv: Shows the diffserv profile configurations  
<name>: DiffServ profile name
```

```
zone-template <name> vlan-pooling <name>
```

```
zone-template: Shows the AP zone template configurations  
<name>: AP zone template name  
vlan-pooling: Show VLAN pooling profile configurations  
<name>: VLAN pooling profile name
```

```
wlan-template <name>
```

```
wlan-template:  
<name>: WLAN template name
```

```
wlan-template <name> wlan <name>
```

```
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
wlan: Show WLAN configurations  
<name>: WLAN name
```

```
wlan-template <name> aaa <name>
```



wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
aaa: Show AAA server configurations  
<name>: AAA server name  
wlan-template <name> hotspot <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
hotspot: Shows the WISPr (hotspot) configurations  
<name>: WISPr (hotspot) name  
wlan-template <name> hotspot20-wlan-profile <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
hotspot20-wlan-profile: Shows the hotspot 2.0 WLAN profile configurations  
<name>: Hotspot 2.0 WLAN profile name  
wlan-template <name> hotspot20-venue-profile <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
hotspot20-venue-profile: Shows the hotspot 2.0 venue profile configurations  
<name>: Hotspot 2.0 venue profile name  
wlan-template <name> diffserv <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
diffserv: Shows the diffserv profile configurations  
<name>: DiffServ profile name  
wlan-template <name> vlan-pooling <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name  
vlan-pooling: Shows the VLAN pooling profile configurations  
<name>: VLAN pooling profile name  
wlan-template <name> wlan-scheduler <name>  
wlan-template: Shows the WLAN template configurations  
<name>: WLAN template name

wlan-scheduler: Shows the WLAN scheduler configurations  
<name>: WLAN scheduler name

control-plane <name>  
control-plane: Shows the controlplane configurations  
<name>: Controlplane name

control-plane <name> ip route static  
control-plane: Shows the controlplane configurations  
<name>: Controlplane name  
ip: Shows the controlplane IP configurations  
route: Shows the controlplane routing configurations  
static: Shows the static routes

control-plane <name> interface user-defined <name>  
control-plane: Shows the controlplane configurations  
<name>: Controlplane name  
interface: Shows the interface configurations  
user-defined: Shows the user defined interface configurations  
<name>: User defined interface name

control-plane <name> interface [management | cluster | control]  
control-plane: Shows the controlplane configurations  
<name>: Controlplane name  
interface: Shows the interface configurations  
management: Management interface  
cluster: Cluster interface  
control: Control interface

control-plane <name> interface control-cluster-management  
control-plane: Shows the control plane configurations  
<name>: Control plane name  
interface: Shows the interface configurations  
control-cluster-management: Control/Cluster/Management interface

data-plane <name>  
data-plane: Shows the data plane configurations  
<name>: Data plane name

dp-group  
    dp-group: Show Data Plane Grouping configurations

snmp-trap  
    snmp-trap: Show SNMP traps

snmp-v2-community <snmp-community>  
    snmp-v2-community: Show SNMPv2 Community configurations  
    <snmp-community>: SNMPv2 Community

event  
    event: Show Events configurations

event-threshold  
    event-threshold: Shows the event threshold

event \${eventCode}  
    event:  
    \${eventCode}:

event email  
    event:  
    email:

snmp-v3-user <snmp-user>  
    snmp-v3-user: Show SNMPv3 User configurations  
    <snmp-user>: SNMPv3 User

interface \${ifName}? Shows the interface details for control and data plane interfaces  
    interface:  
    \${ifName}?:

interface user-defined <name>  
    interface:  
    user-defined: Shows the user defined interface configurations  
    <name>: User defined interface name

ip route static  
    ip: Shows the controlplane IP configurations  
    route: Shows the controlplane routing configurations  
    static: Shows the static routes

internal-subnet

internal-subnet: Shows the internal subnet prefix

gateway-advanced

gateway-advanced: Shows gateway advanced options

ggsn-service

ggsn-service: Shows the GGSN / PGW service configurations

ggsn-service apn <name>

ggsn-service:

apn: Shows the APN resolutions of GGSN / PGW Service

<name>: APN resolution domain name

hlr-service <name>

hlr-service: Shows the HLR service configurations

<name>: HLR service name

hlr-system-wide

hlr-system-wide:

hlr-mnc-ndc

hlr-mnc-ndc: Shows the HLR service MNC to NDC mappings

cgf-service <name>

cgf-service: Shows the CGF service configurations

<name>: CGF service name

radius-service <name>

radius-service: Shows the RADIUS service configurations

<name>: RADIUS service name

auth-profile <name>

auth-profile:

<name>: Authentication service profile name

acct-profile <name>

acct-profile:

<name>: Accounting service profile name

hotspot-profile <name>

hotspot-profile:

<name>: Hotspot service profile name

network-traffic-profile <name>

network-traffic-profile:

<name>: Network traffic profile name  
user-traffic-profile <name>  
user-traffic-profile:  
<name>: Shows the user traffic profile name  
rks-gre <name>  
rks-gre:  
<name>: Shows the Ruckus GRE name  
osu-portal-profile <name>  
osu-portal-profile:  
<name>: Online signup portal profile name  
operator-profile <name>  
operator-profile:  
<name>: Wi-Fi operator profile name  
identity-provider <name>  
identity-provider:  
<name>: Identity provider name  
ntp-server  
ntp-server:  
lineman  
lineman:  
smtp-server  
smtp-server:  
ftp-server  
ftp-server  
stats-upload  
stats-upload:  
syslog-server  
syslog-server  
northbound-portal  
northbound-portal: Shows Northbound portal interface configurations  
mgmt-acl <name>  
mgmt-acl  
<name>: ACL name

web-cert  
    web-cert

eap-sim  
    eap-sim

eap-aka  
    eap-aka

q-in-q-ethertype  
    q-in-q-ethertype:

ap-portal-cert  
    ap-portal-cert:

user-agent-blacklist <name>  
    user-agent-blacklist: Shows the user agent black list configurations  
    <name>: User agent black name

lwapp2scg  
    lwapp2scg: Shows the LWAPP2SCG configuration

encrypt-mac-ip  
    encrypt-mac-ip

node-affinity <name>  
    node-affinity: Shows the node affinity configurations  
    <name>: Node affinity profile name

ap-control-mgmt-tos  
    ap-control-mgmt-tos:

ip-support  
    ip-support: Shows IP version support configuration

    cert-store setting  
    cert-store: Shows the certificate store configurations

    setting: Shows the service certificates

cert-store cert <name>  
    cert-store:  
    cert: Shows installed certificates  
    <name>: Certificate name

cert-store csr <name>  
    cert-store:

csr: Shows Certificates Signing Request (CSR)  
<name>: CSR name  
report <report-title>  
report:  
<report-title>: Report title  
cluster-redundancy <name>  
cluster-redundancy:  
<name>: Cluster name  
soft-gre <name>  
soft-gre: Show Soft GRE configurations  
<name>: Soft GRE name  
ad-service <name>  
ad-service:  
<name>: Active directory service name  
ldap-service <name>  
ldap-service:  
<name>: LDAP service name  
oauth-service <name>  
oauth-service:  
<name>: OAuth service name  
localdb-service  
localdb-service:  
sci-setting  
sci-setting: Shows the SCI settings.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show running-config cert-store
cert          Show Installed Certificates
csr           Show Certificates Signing Request (CSR)
```

```
setting      Show Service Certificates
```

```
INDUS4# show running-config cert-store cert
```

```
No.   Name Description Has Root CA # of Inter Cert
```

```
-----
```

No.	Name	Description	Has Root CA	# of Inter Cert
1	Default	Certificate	No	0

## show service

To view the system service state, use the following command:

```
ruckus# show service
```

### Syntax Description

This command uses the following syntax:

```
name: System service name
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show service
```

No.	Application Name	Health Status	Log Level	# of Logs
1	API	Online	WARN	1
2	CIP	Online	WARN	1
3	CNR	Online	WARN	1
4	Captive Portal	Online	DEBUG	6
5	Cassandra	Online		3
6	Communicator	Online	WARN	2
7	Configurer	Online	WARN	4
8	DBlade			10
9	DHCPServer	Online	WARN	1

## show snapshot-disk-state

To view the snapshot disk state, use the following command (available only with vSZ-H):

```
ruckus# show snapshot-disk-state
```



### Syntax Description

This command has no arguments or key words.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show snapshot-disk-state
```

## show ttg-client

To view the current TTG client sessions, use the following command:

```
ruckus# show ttg-client <client-mac>
```

### Syntax Description

This command uses the following syntax:

client-mac: Client MAC address

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show ttg-client A1:87:45:34:56:FE
```

## show upgrade-history

To display system upgrade history, use the following command:

```
ruckus# show upgrade-history
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

## Command Mode

Privileged

## Example

```
ruckus# show upgrade-history
No.   Start time SCG System Version  Control Plane version  Data
Plane version  AP Firmware version  File name Elapsed
-----
1     2015-03-20 07:24:34 GMT 3.1.0.0.227           3.1.0.0.464
3.1.0.0.520           3.1.0.0.341           Fresh Installation 11m 26s
```

# show upgrade-state

To display the system upgrade state, use the following command:

```
ruckus# show upgrade-state
```

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Privileged

## Example

```
ruckus# show upgrade-state
```

# show version

To view the controller version, use the following command:

```
ruckus# show version
```

## Syntax Description

This command has no arguments or keywords.

## Default

This command has no default settings.

## Command Mode

Enable

### Example

```
ruckus# ruckus> show version
Model                               : SCG200
Serial #                             : 20700088
SCG Version                           : 3.1.0.0.227
Control Plane Software Version       : 3.1.0.0.464
Data Plane Software Version          : 3.1.0.0.520
AP Firmware Version                  : 3.1.0.0.341
```

## show zone

To view the AP zone states, use the following command:

```
ruckus# show zone
```

### Syntax Description

This command uses the following syntax:

```
<name> ap <mac>
  <name>: AP zone name
  ap: Show the AP list of a specific AP zone
  <mac>: AP MAC address
<name> client <client-mac>
  <name>: AP zone name
  client: Shows the client list of a specific AP zone
  <client-mac>: Client MAC address
<name> ttg-client <client-mac>
  <name>: AP zone name
  ttg-client: Shows the TTG client list of a specific AP zone
  <client-mac>: Client MAC address <zone-name>: AP zone name
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# show zone
```

```

No. Zone Name Management Domain Description AP Firmware # of
Alarms # of APs # of WLANs # of Clients
-----
  1 INDUS7-WISP Administration Domain INDUS7-WISP 2.5.0.0.497
0/1/0/0 1 (1/0) 2 0
  2 P1_ZONE_01 Deployment_Demo_DOMAIN phase1 Zone 01
1.1.2.0.100 0/1000/0/0 1000 (0/1000) 1 0
  3 WISPR Administration Domain WISPR 2.5.0.0.497 0/1/0/0
0 (0/0) 2 0
  4 INDUS7-MVNO Administration Domain INDUS7-MVNO
2.5.0.0.497 0/0/0/0 0 (0/0) 1 0
  5 Staging Zone Administration Domain Staging Zone
0/1/0/0 0 (0/0) 0 0
  6 INDUS2-AP2 Administration Domain INDUS2-AP2      2.5.0.0.497
0/0/0/0 1 (1/0) 3 2

```

# System Commands

# 8

This chapter describes the commands that you can use to configure administrative and system settings on the controller. The following table list the System Commands.

Table 170. System commands

?	backup	backup config	backup network	backup schedule
backup-upgrade	backup-upgrade	cluster in-service	config	copy
copy ap-certificate-request	copy backup	copy backup-config	copy backup-network	copy client
copy report-result	curl	delete backup	delete backup-config	delete backup-network
delete client	diagnostic	enable	enable <new password>	exit
help	logout	log-diagnostic ap-log-level-set	no service	patches
ping	ping6	reload	reload ap	reload data-plane
reload now	traceroute	traceroute6	remote ap-cli	restore config
restore local	restore network	service restart	service start	set-factory
setup	shutdown	shutdown now	upgrade	upload ap-certificate-status
3rd-zone				

## ?

To display commands that are available on the command line, use the following command:

```
ruckus# ?
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus#
  backup          Backup system or configuration
  backup-upgrade  Backup and upgrade system
  cluster         Cluster commands
  config         Enter configuration mode
  copy           Copy commands
  debug          Debug commands
  delete         Delete backup file commands
  diagnostic      Diagnostic commands
  enable         Modify enable password
  exit           Turn off privileged commands
  help           Display this help message
  logout         Exit from the EXEC
  no             No commands
  ping           Ping server
  rbddump        Dump Rbd board data
  reload         Reload system
  remote         Remote commands
  restore        Restore system
  service        Service commands
  set-factory    Set factory
  show           Show system information
  shutdown       Shutdown system
  upgrade        Upgrade system
```

## backup

To backup the controller whole cluster system, use the following command:

```
ruckus# backup
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# backup
```

## backup config

To backup controller configuration, use the following command:

```
ruckus# backup config
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# backup config
```

## backup network

To backup controller network configuration, use the following command:

```
ruckus# backup network
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# backup network
```

## backup schedule

To create a schedule for backing up the configuration, use the following command:

```
ruckus# backup schedule < daily> <disable> <monthly> <weekly>
```

### Syntax Description

This command uses the following syntax:.

```
monthly <date-of-month> hour <hour> minute <minute>
```

monthly: Monthly

<date-of-month>: Date of month

hour: Hour (GMT)

<hour>: Hour value (GMT)

minute: Minute

<minute>: Minute value

```
weekly <day-of-week> hour <hour> minute <minute>
```

weekly: Weekly

<day-of-week>: Day Of week

hour: Hour (GMT)

<hour>: Hour Value (GMT)

minute: Minute



<minute>: Minute value  
daily <hour> minute <minute>  
daily: Daily  
<hour>: Hour value (GMT)  
minute: Minute  
<minute>: Minute value  
disable  
disable: Schedule disable

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus-Node1# backup-upgrade ftp://mahan:ruckus1!@172.19.7.100/  
backup/AP_ad87453456fe.csv
```

## backup-upgrade

To backup and upgrade the controller whole cluster system, use the following command:

```
ruckus# backup-upgrade
```

### Syntax Description

This command uses the following syntax:

<ftp-url> : Upgrade file. The FTP URL format: ftp://<username>:<pass-  
word>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# backup-upgrade ftp://mahan:ruckus1!@172.19.7.100/  
backup/AP_ad87453456fe.csv
```

## cluster in-service

To restore the cluster to a normal state, use the following command:

```
ruckus# cluster in-service
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# cluster in-service
```

## config

To change to configuration mode, use the following command:

```
ruckus# config
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# config
```

---

**NOTE:** To view configuration commands, see [Configuration Commands \(a - d\)](#) chapters.

---

## copy

To copy backup, backup-config, or backup-network file from external FTP server, use the following command:

```
ruckus# copy <ftp-url> backup
ruckus# copy <ftp-url> backup-config
ruckus# copy <ftp-url> backup-network
```

### Syntax Description

This command uses the following syntax:

<ftp-url> backup: Backup file. FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

<ftp-url> backup-config: Backup of the configuration file. The FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

<ftp-url> backup-network: Backup of the network configuration file. The FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy ftp://test:testpwd@172.17.22.11 backup
ruckus# copy ftp://test:testpwd@172.17.22.11/scg-config backup-config
ruckus# copy ftp://test:testpwd@172.17.22.11/scg-network backup-network
```

## copy ap-certificate-request

To copy the AP certificate request to the external FTP server, use the following command:

```
ruckus# copy ap-certificate-request [all | new] <ftp-url>
```

### Syntax Description

This command uses the following syntax:

all: Copies all the AP certificate requests

new: Only copies APs that need to be exported

<ftp-url>: FTP directory. FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy ap-certificate-request all ftp://  
test:testpwd@172.17.22.11
```

## copy backup

To copy backup file to external FTP server, use the following command:

```
ruckus# copy backup <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: FTP directory. FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy backup ftp://test:testpwd@172.17.22.11
```

## copy backup-config

To copy backup configuration file to external FTP server, use the following command:

```
ruckus# copy backup-config <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: FTP directory. FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy backup-config ftp://test:testpwd@172.17.22.11/scg-  
config
```

## copy backup-network

To copy backup network configuration file to external FTP server, use the following command:

```
ruckus# copy backup-network <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: FTP directory. FTP URL format: ftp://<username>:<password>@<ftp-host>[/<dir-path>]

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy backup-network ftp://test:testpwd@172.17.22.11/  
scg-network
```

## copy client

To copy AP client statistics to external FTP server, use the following command:

```
ruckus# copy client <name> <ftp-url>
```

### Syntax Description

The command uses the following syntax:

```
<name> <ftp-url>  
  <name>: AP Zone name  
  <ftp-url>: FTP directory, FTP URL Format: ftp://<username>:<pass-  
word>@<ftp-host>[/<dir-path>]
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy client test Zone ftp://test:testpwd@172.17.22.11
```

## copy report-result

To copy report result to external FTP server, use the following command:

```
ruckus# copy report-result <name> <ftp-url>
```

### Syntax Description

The command uses the following syntax:

```
<name> <ftp-url>  
  <name>: Report name  
  <ftp-url>: FTP directory, FTP URL format: ftp://<username>:<pass-  
word>@<ftp-host>[/<dir-path>]]
```

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# copy report-result scg report ftp://  
test:testpwd@172.17.22.11
```

## curl

To get help or more information, use the following command:

```
ruckus# curl
```

## Syntax Description

This command uses the following syntax:

Usage: curl [options...] <url>

Options: (H) means HTTP/HTTPS only, (F) means FTP only

- anyauth Pick "any" authentication method (H)
- a/--append Append to target file when uploading (F/SFTP)
- basic Use HTTP Basic Authentication (H)
- cacert <file> CA certificate to verify peer against (SSL)
- capath <directory> CA directory to verify peer against (SSL)
- E/--cert <cert[:passwd]> Client certificate file and password (SSL)
- cert-type <type> Certificate file type (DER/PEM/ENG) (SSL)
- ciphers <list> SSL ciphers to use (SSL)
- compressed Request compressed response (using deflate or gzip)
- K/--config <file> Specify which config file to read
- connect-timeout <seconds> Maximum time allowed for connection
- C/--continue-at <offset> Resumed transfer offset
- b/--cookie <name=string/file> Cookie string or file to read cookies from (H)
- c/--cookie-jar <file> Write cookies to this file after operation (H)
- create-dirs Create necessary local directory hierarchy
- crlf Convert LF to CRLF in upload
- crlfile <file> Get a CRL list in PEM format from the given file
- d/--data <data> HTTP POST data (H)
- data-ascii <data> HTTP POST ASCII data (H)
- data-binary <data> HTTP POST binary data (H)
- data-urlencode <name=data/name@filename> HTTP POST data url encoded (H)
- delegation STRING GSS-API delegation permission
- digest Use HTTP Digest Authentication (H)
- disable-eprt Inhibit using EPRT or LPRT (F)
- disable-epsv Inhibit using EPSV (F)
- D/--dump-header <file> Write the headers to this file
- egd-file <file> EGD socket path for random data (SSL)
- engine <eng> Crypto engine to use (SSL). "--engine list" for list
- f/--fail Fail silently (no output at all) on HTTP errors (H)
- F/--form <name=content> Specify HTTP multipart POST data (H)
- form-string <name=string> Specify HTTP multipart POST data (H)

- ftp-account <data> Account data to send when requested by server (F)
- ftp-alternative-to-user <cmd> String to replace "USER [name]" (F)
- ftp-create-dirs Create the remote dirs if not present (F)
- ftp-method [multicwd/nocwd/singlecwd] Control CWD usage (F)
- ftp-pasv Use PASV/EPSV instead of PORT (F)
- P/--ftp-port <address> Use PORT with address instead of PASV (F)
- ftp-skip-pasv-ip Skip the IP address for PASV (F)
- ftp-ssl Try SSL/TLS for ftp transfer (F)
- ftp-ssl-ccc Send CCC after authenticating (F)
- ftp-ssl-ccc-mode [active/passive] Set CCC mode (F)
- ftp-ssl-control Require SSL/TLS for ftp login, clear for transfer (F)
- ftp-ssl-reqd Require SSL/TLS for ftp transfer (F)
- G/--get Send the -d data with a HTTP GET (H)
- g/--globoff Disable URL sequences and ranges using {} and []
- H/--header <line> Custom header to pass to server (H)
- I/--head Show document info only
- h/--help This help text
- hostpubmd5 <md5> Hex encoded MD5 string of the host public key. (SSH)
- O/--http1.0 Use HTTP 1.0 (H)
  - ignore-content-length Ignore the HTTP Content-Length header
- i/--include Include protocol headers in the output (H/F)
- k/--insecure Allow connections to SSL sites without certs (H)
  - interface <interface> Specify network interface/address to use
- 4/--ipv4 Resolve name to IPv4 address
- 6/--ipv6 Resolve name to IPv6 address
- j/--junk-session-cookies Ignore session cookies read from file (H)
  - keepalive-time <seconds> Interval between keepalive probes
  - key <key> Private key file name (SSL/SSH)
  - key-type <type> Private key file type (DER/PEM/ENG) (SSL)
  - krb <level> Enable Kerberos with specified security level (F)
  - libcurl <file> Dump libcurl equivalent code of this command line
  - limit-rate <rate> Limit transfer speed to this rate
- l/--list-only List only names of an FTP directory (F)
  - local-port <num>[-num] Force use of these local port numbers
- L/--location Follow Location: hints (H)
  - location



### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# curl
```

## delete backup

To delete certain or all backup files, use the following command:

```
ruckus# delete backup <version>
```

### Syntax Description

This command uses the following syntax:

<version>: Backup version

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# delete backup  
ruckus# delete backup 1
```

## delete backup-config

To delete certain or all backup configuration files, use the following command:

```
ruckus# delete backup-config <version>
```

### Syntax Description

This command uses the following syntax:

<version>: Backup configuration version

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# delete backup-config  
ruckus# delete backup-config 1
```

## delete backup-network

To delete certain or all backup network configuration files, use the following command:

```
ruckus# delete backup-network <version>
```

### Syntax Description

This command uses the following syntax:

<version>: Backup network configuration version

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# delete backup-network  
ruckus# delete backup-network 1
```

## delete client

To delete AP client, use the following command:

```
ruckus# delete client <client-mac>
```

### Syntax Description

This command uses the following syntax:

<client-mac>: Client Mac address

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# delete client A1:87:45:34:56:FE
```

## diagnostic

To run diagnostic commands, use the following command:

```
ruckus# diagnostic
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# diagnostic
```

## Related Commands

Table 171 lists the related diagnostic commands.

Table 171. Commands related to ruckus(diagnostic)

Syntax and Type	Parameters (If Any)	Description
ruckus(diagnostic)# copy snapshot Type: Privileged	<ftp-url>: FTP directory URL, Format: ftp:// <username>:<password >@<ftp-host>[/<dir- path>]	Copy snapshot to external FTP server.
ruckus(diagnostic)# do Type: Privileged		Executes the do command.
ruckus(diagnostic)# delete snapshot Type: Privileged	\${snapshotName}	Deletes all snapshot.
ruckus(diagnostic)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(diagnostic)# execute all Type: Privileged		Creates the snapshot.
ruckus(diagnostic)# execute case Type: Privileged	<name>: Case name	Executes the specified case.
ruckus(diagnostic)# exit Type: Privileged		Exits from the EXEC.
ruckus(diagnostic)# help Type: Privileged		Displays the help.
ruckus(diagnostic)# remote-packet-capture disable Type: Privileged		Disables remote packet capture
ruckus(diagnostic)# remote-packet-capture enable Type: Privileged		Enables remote packet capture

Table 171. Commands related to ruckus(diagnostic)

Syntax and Type	Parameters (If Any)	Description
ruckus(diagnostic)# show ipmi Type: Privileged	[ leds   fru   sel   rks   health ] leds: Shows the front panel alarm LEDs fru: Shows the FRU inventory data sel: Shows the system event log records rks: Shows the Ruckus related information health: Shows the BMC basic health	Shows IPMI information.
ruckus(diagnostic)# show snapshot Type: Privileged		Show snapshot files.
ruckus(diagnostic)# show version Type: Privileged		Shows the version.
ruckus(diagnostic)# trigger trap Type: Privileged	all: Trigger all traps <event-code>: Multiple traps separated by commas.	Triggers testing traps

## enable

To enable privileged commands on the command line interface, use the following command:

```
ruckus# enable
```

### Syntax Description

This command uses the following syntax:

password: Password to change the mode.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus> enable
Password: *****
ruckus# config
ruckus config)#
```

## enable <new password>

To modify the controller administrator password, use the following command:

```
ruckus# enable <old password> <new password> <retype password>
```

### Syntax Description

This command uses the following syntax:

old password: Existing controller administrator password

new password: The new controller administrator password that you want to set.

retype password: Retype the new controller administrator password.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# enable
```

```
Old Password: *****  
New Password: *****  
Retype: *****  
Successful operation
```

## exit

To exit from EXEC, use the following command:

```
ruckus# exit
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus> exit
```

## help

To display the command line interface help, use the following command:

```
ruckus# help
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus# help  
config Enter configuration mode  
debug Debug commands  
enable Modify enable password
```

```
exit Turn off privileged commands
help Display this help message
logout Exit from the EXEC
```

## logout

To exit from EXEC, use the following command:

```
ruckus# logout
```

### Syntax Description

This command has no arguments or keywords

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus# logout
```

## log-diagnostic ap-log-level-set

To set the log level as AP, use the following command:

```
ruckus# log-diagnostic ap-log-level-set
```

### Syntax Description

This command has following keywords:

- **DEBUG**: To set the log level as DEBUG
- **DEFAULT**: To set the log level as DEFAULT
- **ERROR**: To set the log level as ERROR
- **INFO**: To set the log level as INFO
- **WARN**: To set the log level as WARN
- **mac**: To set the log level for AP MAC

### Default

This command has no default settings.



### Command Mode

Privileged

### Example

```
ruckus# log-diagnostic ap-log-level-set
```

## no service

To stop all controller services, use the following command:

```
ruckus# no service
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# no service
Please note that this command will cause current SSH connection
closed for SSH restart. Do you want to stop all services (yes/
no)? yes
Stopping all services...
Connection to 10.2.6.230 closed by remote host.
```

## patches

To manage patch scripts, use the following command:

```
ruckus# patches <apply | name> <do> <end> <exit> <help> <no> <show>
<upload>
```

### Syntax Description

This command has no arguments or keywords:

### Default

This command has no default settings.

**Command Mode**

User

**Example**

```
ruckus# patches
ruckus(patches)# show <applied-patches> <uploaded-patches>
```

**Related Commands**

[Table 172](#) lists the related patches commands.

Table 172. Commands related to ruckus(patches)

Syntax and Type	Parameters (If Any)	Description
ruckus(patches)# apply Type: Privileged	<name>	Applies a patch script. Once a patch is applied is cannot be re-applied.
ruckus(patches)# do Type: Privileged		Executes the do command.
ruckus(patches)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(patches)# exit Type: Privileged		Exits from the EXEC.
ruckus(patches)# help Type: Privileged		Displays the help.
ruckus(patches)# no Type: Privileged	patches	Delete a patch script, Once the patch file is applied, it cannot be deleted
ruckus(patches)# show Type: Privileged	applied-patches uploaded-patches	Shows the applied and uploaded patch list.
ruckus(patches)# show case Type: Privileged		Shows the case.
ruckus(patches)# upload Type: Privileged	<ftp-url>	Uploads a patch script from a remote FTP server.

**ping**

To ping a server, use the following command:

```
ruckus# ping <ip> <name>
```

### Syntax Description

This command uses the following syntax:

<ip>: IP address  
<name>: Domain name

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus# ping 172.17.20.182
Start ping server (172.17.20.182) for 3 times...
PING 172.17.20.182 (172.17.20.182) 56(84) bytes of data.
64 bytes from 172.17.20.182: icmp_req=1 ttl=63 time=1.64 ms
64 bytes from 172.17.20.182: icmp_req=2 ttl=63 time=1.15 ms
64 bytes from 172.17.20.182: icmp_req=3 ttl=63 time=1.01 ms

--- 172.17.20.182 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 1.015/1.271/1.647/0.273 ms.
```

## ping6

To send ICMP echo request to the network host, use the following command:

```
ruckus# ping6 <ip> <name>
```

### Syntax Description

This command uses the following syntax:

<ip>: IP address  
<name>: Domain name

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus# ping6 172.17.20.182
```

## reload

To reload the controller after 30 seconds, use the following command:

```
ruckus# reload <seconds>
```

### Syntax Description

This command uses the following syntax:

seconds: Indicate the number of seconds before controller reboots itself.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# reload <60>
Do you want to reboot system (yes/no)? yes
Server would be rebooted in 60 seconds.
Broadcast message from admin (Tue Jun 18 15:11:24 2013):
The system is going down for reboot NOW!
```

## reload ap

To reboot an access point, use the following command:

```
ruckus# reload <mac>
```

### Syntax Description

This command uses the following syntax:

mac: AP Mac address

### Default

This command has no default settings.

### Command Mode

Privileged

**Example**

```
ruckus# reload ap 00:1c:2d:ee:ff:cc
Success to trigger AP (00:1c:2d:ee:ff:cc) reboot.
```

## reload data-plane

To reboot a dataplane, use the following command

```
ruckus# reload data-plane <name>
```

**Syntax Description**

This command uses the following syntax:

name: Dataplane name

**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus# reload data-plane 00:1c:2d:ee:ff:cc
Success to trigger data plane (00:1c:2d:ee:ff:cc) reboot.
```

## reload now

To reload the system immediately, use the following command:

```
ruckus# reload now
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus# reload now
```

## traceroute

To print the route that packets take to the network host, use the following command:

```
ruckus# traceroute
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# traceroute
```

## traceroute6

To print the route that packets take to the network host, use the following command:

```
ruckus# traceroute6
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# traceroute6
```

## remote ap-cli

To display the name and firmware version of a remote access point, use the following command:

```
ruckus# remote ap-cli <mac> <command>
```

### Syntax Description

This command uses the following syntax:

mac: MAC address of the access point

command: Command that retrieves the access point name and firmware version, double-quoted

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# remote ap-cli 74:91:1A:2A:DB:80 "get version"  
Ruckus 7962 Multimedia Hotzone Wireless AP  
Version: 1.1.0.0.151  
OK
```

## restore config

To restore a configuration backup file that you uploaded to the FTP server, use the following command:

```
ruckus# restore config
```

(to make the configuration backup available on the Controller)

```
ruckus# restore config
```

(to restore a configuration backup file that you uploaded to the FTP server)

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# restore config
```

```
After restore configuration well done, SCG will be restarted, User
need to re-login. Do you want to restore configuration in this
context (yes/no)? yes
Available backup configurations:
Available backup configurations:
1: Configuration_20121219071503GMT_1.1.0.0.246.bak 2012-12-19
07:15:03 GMT
Please choose a backup configuration to restore: (Or input 'No'
to cancel)
Restore process starts
Restore process has been scheduled to run
```

## restore local

To restore a cluster backup that was taken before and restored on the Controller, use the following command:

```
ruckus# restore local
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# restore local
This action will REBOOT the system. Do you want to continue (yes/
no)? yes
Restore process starts
Restore process has been scheduled to run
```

## restore network

To restore the network configuration, use the following command:

```
ruckus# restore network
```

### Syntax Description

This command has no arguments or keywords.



**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus# restore network
```

## service restart

To restart all the controller services, use the following command:

```
ruckus# service restart
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

**Command Mode**

Privileged

**Example**

```
ruckus# service restart
Please note that this command will cause current SSH connection
closed for SSH restart. Do you want to restart all services (yes/
no)? yes
Restarting all services...
```

## service start

To start all the controller services, use the following command:

```
ruckus# service start
```

**Syntax Description**

This command has no arguments or keywords.

**Default**

This command has no default settings.

## Command Mode

Privileged

### Example

```
ruckus# service start
Please note that this command will cause current SSH connection
closed for SSH restart. Do you want to start all services (yes/
no)? yes
Starting all services...
wait for (cassandra,communicator,eventreader,freera-
dius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for (cassandra,communicator,eventreader,freera-
dius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for (communicator,eventreader,freera-
dius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for (communicator,eventreader,monitor,north-
bound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,north-
bound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,north-
bound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,north-
bound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,northbound,tomcat) Up!
All services are up!
ruckus# Connection to 10.2.6.230 closed by remote host.
```

## set-factory

To reset to factory settings of the controller system, use the following command:

```
ruckus# set-factory
```

---

**CAUTION!** Resetting a node to factory settings will erase all of its system configuration settings, backup files, and cluster settings. Before resetting a node to factory settings, Ruckus Wireless strongly recommends that you export all of the backup files on the controller to an FTP server using either the web interface or CLI.

---

**NOTE:** For information on how to use the controller web interface to reset a node to factory settings, see the *SmartCell Gateway 200 Virtual SmartZone High-Scale Quick Setup Guide*.

---

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# set-factory
```

## setup

To setup the controller system, use the following command:

```
ruckus# setup
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

User

### Example

```
ruckus# setup
```

## shutdown

To shutdown the controller gracefully, use the following command:

```
ruckus# shutdown <seconds>
```

### Syntax Description

This command uses the following syntax:

seconds: Indicates the number of seconds before controller shutdowns.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# shutdown 10
Do you want to shutdown system
Server would be shutdown in 10 seconds
```

## shutdown now

To shutdown the controller immediately, use the following command:

```
ruckus# shutdown now
```

### Syntax Description

This command has no arguments or keywords.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# shutdown now
Do you want to shutdown system?
Server would be shutdown in 30 seconds
```

## upgrade

To upgrade the controller system, use the following command:

```
ruckus# upgrade <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: Upgrade file. FTP URL format is: ftp://<username>:<password>@<ip>[/<file-path>].

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# upgrade ftp://mahan:ruckus1!@172.19.7.100
```

## upload ap-certificate-status

To upload the AP certificate to the controller, use the following command:

```
ruckus# upload ap-certificate-status <ftp-url>
```

### Syntax Description

This command uses the following syntax:

<ftp-url>: Upload file. FTP URL format is: ftp://<username>:<password>@<ip>[/<file-path>].

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# upload ap-certificate-status ftp://  
mahan:ruckus1!@172.19.7.100
```

## 3rd-zone

To create or upgrade the third party AP Zone configuration, use the following command:

```
ruckus# 3rd-zone <name>
```

### Syntax Description

This command uses the following syntax:

<name>: Name of the AP zone.

### Default

This command has no default settings.

### Command Mode

Privileged

### Example

```
ruckus# 3rd-zone xyz
```

# Index

## Symbols

? 526

## Numerics

3rdparty-zone 28

3rd-zone-wlan 32

## A

accessing the SCG CLI 17

acct-profile 34

acct-profile-realm 35

admin 38, 39

admin-radius-service 41

ad-service 37

adv-forwarding-profile 43

adv-forwarding-profile-apn 45

ap 46

ap profile 47

ap-auto-tagging 60, 61

ap-cli 439

ap-heartbeat 63

ap-mode 56

ap-model-lan1 58, 60

apn 188

ap-portal-cert 64

ap-portal-cert-generate-csr 65

ap-root-ca 66

ap-sci |enable 62, 66

auth-profile 68

auth-profile-realm 70

## B

backup 527

backup config 527

backup network 528

backup-upgrade 528, 529

bridge-profile 71

bridge-profile-dhcp-option82 73

## C

cert-store 75

cgf-service 77

cgf-service-ftp-server 82

cgf-service-server 83

channel 77

clock 85

cluster in-service 530

cluster redundancy 86

cluster redundancy cluster 87

cluster-ip-list 85

cluster-redundancy 86

config 530

config-adv-forwarding-profile-ap related  
commands 45

config-domain-zone-ap-snmp-options-  
snmp-v3-user 134

config-domain-zone-web-authentication  
155

config-oauth-service 308

config-operator-profile 310

config-osu-portal-profile 312

config-snmp-v3-user 339

config-soft-gre 341

config-stats-upload 342

config-zone-ap-group 125

Connect the Administrative Computer to  
SCG 17

copy 531

copy backup 532

copy backup-config 532

copy client 533

copy report-result 534

curl 534

## D

data plane 88, 90, 91

data-plane 88

debug 438

debug ap-cli 439

debug dataplane 440

debug diagnostic 442

delete 441

delete backup 537

delete backup-config 538

delete backup-network 538

delete client 539  
 dhcp-service 443  
 diagnostic 441, 539, 540  
 diameter-remote-service profile 92  
 dns-retry 188  
 dns-server 188  
 dns-server-service 94  
 dns-timeout 188  
 domain 96, 97  
 domain 3rd-zone 99  
 domain zone-ap-snmp-options-snmp-v2-  
   community 133  
 domain-3rd-zone-wlan 102  
 domain-zone 104  
 domain-zone-aaa 115  
 domain-zone-ap-group 117  
 domain-zone-ap-group-port-setting 126  
 domain-zone-ap-model 127  
 domain-zone-ap-model-lan1 131  
 domain-zone-ap-registration-rule 132  
 domain-zone-bonjour-policy 135  
 domain-zone-bonjour-policy-rule 136  
 domain-zone-device-policy 138  
 domain-zone-device-policy-policy-rule  
   139  
 domain-zone-diffserv 140  
 domain-zone-guest-access 141  
 domain-zone-hotspot 142, 145  
 domain-zone-hotspot20-wlan-profile 149  
 domain-zone-hotspot20-wlan-profile  
   cust-connect-capabilities 153  
 domain-zone-l2-acl 154  
 domain-zone-vlan-pooling 154  
 domain-zone-web-authentication 155  
 domain-zone-wlan 156  
 domain-zone-wlan-group 168  
 domain-zone-wlan-qos-map 168  
 domain-zone-wlan-scheduler 169

## E

eap-aka 173  
 eap-sim 175  
 enable 542, 542  
 end 177, 444  
 eth-port-validate-one-trunk 177  
 event 179  
 event email 181, 182, 183  
 event-email 182  
 event-threshold 183

execute 445  
 exit 184, 543  
 export log 446

## F

ftp-server 184, 185

## G

gateway-advance 187  
 ggsn-service-apn 190  
 guest access 406

## H

help 446, 543  
 hlr-mnc-ndc 191  
 hlr-mnc-ndc server 191  
 hlr-service 192, 193  
 hlr-service- sctp 199  
 hlr-service-sccp-gtt 197  
 hlr-system-wide 200  
 hotspot 201  
 hotspot-profile 202

## I

identity-provider 206  
 identity-provider-acct-profile 208  
 identity-provider-acct-profile-realm 209  
 identity-provider-auth-profile 210  
 identity-provider-osu-enable 213  
 identity-provider-realms 216  
 identity-provider-realms-eaps 217  
 identity-provider-realms-eaps-auth 219  
 interface configuration 221  
 interface management 220  
 interface-user-defined 223  
 ip default-gateway 224, 225  
 ip internal-subnet 225  
 ip name-server 226  
 ip route 227

## L

l2ogre-profile 237  
 l2ogre-profile-dhcp-option82 239  
 l3ogre-profile 240  
 l3ogre-profile-dhcp-option82 242  
 lbs-service 244



- ldap-service 245
- license import 249
- limited privileges 24
- lineman 251
- localdb-service 252
- log on to CLI 23
- log-diagnostic ap-log-level-set 544
- logging console 253
- logout 544
- lwapp2scg 254

## M

- management (Web) interface 17
- mgmt-acl 257
- mgmt-acl server 257
- mgmt-acl-rule 258
- mvno 259, 260
- mvno-admin 261
- mvno-admin-radius 262

## N

- name 264
- network-profile 264
- network-traffic-profile 264
- network-traffic-profile-network-acl 265
- no 3rd-zone 266
- no acct-profile 267
- no admin 267, 268
- no admin-radius 268
- no adv-forwarding-profile 269
- no ap 269
- no ap auto-tagging 269
- no ap-cert-check 270
- no ap-root-ca 271
- no ap-sci 271
- no auth-profile 272, 274
- no cgf-service 275
- no cls-sess 275
- no control-plane 276
- no data-plane 276
- no domain 277
- no dp-group 280
- no eap-aka 280
- no eap-sim 280
- no event 281
- no ftp-server 282
- no ggsn-service 282
- no hlr-mnc-ndc 283

- no hlr-service 283
- no hotspot-profile 284
- no interface 285
- no ip 286
- no l2ogre-profile 287
- no l3ogre-profile 288
- no lineman 290
- no logging 290, 292, 293
- no mgmt-acl 291
- no mvno 291
- no network-traffic-profile 291
- no pmipv6-profile 293
- no radius-service 294
- no report 294
- no rks-gre 296
- no role 296
- no screen-pagination 448, 449
- no service 545
- no snmp-trap 297
- no snmp-v2-community 297
- no snmp-v3-user 298
- no soft-gre 298
- no ttg-pdg-profile 299, 303
- no zone 301
- node-affinity 304
- node-affinity-configuration 305
- northbound-authtype 306
- northbound-portal 307
- ntp-server 307

## O

- overview 17

## P

- patches 546
- ping 546
- pmipv6 317
- pmipv6-profile 313

## Q

- q-in-q-ethertype 318

## R

- radius-service 319
- rbddump 453
- reload 548
- reload ap 548

- reload data-plane 549
- reload now 549
- remote ap-cli 550
- report 322, 324
- request-timer 188
- response-timer 188
- restore config 551
- restore local 552
- restore network 552
- retry 188
- rJ45 cable 17
- rks-gre 327
- role 328
- rS-232 serial 17

## S

- screen-pagination 449, 450, 451
- serial connection 17, 20
- service restart 553
- service start 553
- set-factory 554
- setup 455, 555
- show admin 462
- show admin-activity 463
- show alarm 464
- show ap 466, 467
- show ap-heartbeat 468
- show backup 471
- show backup-config 472
- show backup-network 473
- show backup-state 473
- show backup-upgrade-state 474
- show cgf-cnrxn-stats 475
- show cgf-tx-stats 475
- show client 476
- show clock 477
- show cls-sess 477, 478
- show cls-sess-range 478
- show cluster 478
- show cluster-state 479
- show control-plane 479
- show control-plane-stats 481
- show cpuinfo 483, 484
- show data-plane 484
- show data-plane-stats 485
- show dhcp-relay-stats 486
- show dhcp-server-stats 486
- show diskinfo 488
- show event 489
- show ggsn-cnrxn-stats 490
- show ggsn-gtpc-stats 491
- show history 491
- show hlr-sctp-stats 492
- show hlr-stats 492
- show interface 493
- show internal-subnet 494
- show ip 495
- show license 495
- show lma-connectivity-stats 496
- show lma-signaling-stats 496
- show meminfo 498
- show ntp 498
- show radius-proxy-stats 499
- show radius-server-stats 500
- show report-result 500
- show running-config 502
- show service 520
- show ttg-client 521
- show upgrade-history 521
- show upgrade-state 522
- show version 522
- show zone 523
- shutdown 555
- shutdown force 556
- shutdown now 556
- sms-server 331, 332
- smtp-server 332, 333, 334
- snmp-notification 335
- snmp-trap 336
- snmp-v2-community 336, 337
- snmp-v3-user 338
- soft-gre 340
- sSH client 18
- SSH connection 19
- sSH connection 17
- subpackages 344
- support-admin 346
- syslog server 347
- syslog-server 347

## T

- ttg-pdg-profile 349, 350
- ttg-pdg-profile-apn 352
- ttg-pdg-profile-dhcp-option82 353

## U

- upgrade 556

- user-agent-blacklist 355
- user-role 357
- user-traffic-profile 359
- user-traffic-profile-acl 361

## Z

- zone 363, 365
  - zone-aaa 378
  - zone-ap-group 380
  - zone-ap-group-group-ap-snmp-options 389
  - zone-ap-group-lldp 388
  - zone-ap-group-port-setting 389
  - zone-ap-model 391
  - zone-ap-model-lan1 395
  - zone-ap-registration-rule 133, 396, 397, 398
  - zone-ap-snmp-options-snmp-v2-community 133, 397
  - zone-bonjour-policy 398
  - zone-bonjour-policy-rule 400
  - zone-device-policy 402
  - zone-device-policy-policy-rule 403
  - zone-diffserv 404
  - zone-hotspot 408
  - zone-hotspot20-venue-profile 410
  - zone-hotspot20-wlan-profile 414
  - zone-hotspot20-wlan-profile cust-connect-capabilities 418
  - zone-l2-acl 419
  - zone-template 436
  - zone-vlan-pooling 419
  - zone-web-authentication 420, 421
  - zone-wlan 422
  - zone-wlan-group 434
  - zone-wlan-qos-map 434
  - zone-wlan-scheduler 435



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350 West Java Dr. Sunnyvale, CA 94089. USA  
[www.ruckuswireless.com](http://www.ruckuswireless.com)