Ruckus SmartZone 300 and Virtual SmartZone-High-Scale Command Reference Guide

Supporting SmartZone 5.0

Copyright, Trademark and Proprietary Rights Information

Contents

Preface

Document Conventions

The following tables list the text and notice conventions that are used throughout this guide.

TABLE 1 Text conventions

Convention	Description	Example
monospace	Identifies command syntax examples.	device(config)# interface ethernet 1/1/6
bold	User interface (UI) components such as screen or page names, keyboard keys, software buttons, and field names	On the **Start** menu, click **All Programs**.
italics	Publication titles	Refer to the *Ruckus Small Cell Release Notes* for more information

Notes, Cautions, and Warnings

Notes, cautions, and warning statements may be used in this document. They are listed in the order of increasing severity of potential hazards.

NOTE
A NOTE provides a tip, guidance, or advice, emphasizes important information, or provides a reference to related information.

CAUTION
A CAUTION statement alerts you to situations that can be potentially hazardous to you or cause damage to hardware, firmware, software, or data.

DANGER
A DANGER statement indicates conditions or situations that can be potentially lethal or extremely hazardous to you. Safety labels are also attached directly to products to warn of these conditions or situations.

Command Syntax Conventions

Bold and italic text identify command syntax components. Delimiters and operators define groupings of parameters and their logical relationships.

Convention	Description
bold text	Identifies command names, keywords, and command options.
italic text	Identifies a variable.
[ ]	Syntax components displayed within square brackets are optional.
	Default responses to system prompts are enclosed in square brackets.
{ **x** | **y** | **z** }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x | **y**	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, for example, passwords, are enclosed in angle brackets.
…	Repeat the previous element, for example, *member*[*member*...].
\	Indicates a "soft" line break in command examples. If a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

Document Feedback

Ruckus is interested in improving its documentation and welcomes your comments and suggestions.

You can email your comments to Ruckus at: docs@ruckuswireless.com

When contacting us, please include the following information:

- Document title and release number
- Document part number (on the cover page)
- Page number (if appropriate)
- For example:
    - Ruckus Small Cell Alarms Guide SC Release 1.3
    - Part number: 800-71306-001
    - Page 88

Ruckus Product Documentation Resources

Visit the Ruckus website to locate related documentation for your product and additional Ruckus resources.

Release Notes and other user documentation are available at https://support.ruckuswireless.com/documents. You can locate documentation by product or perform a text search. Access to Release Notes requires an active support contract and Ruckus Support Portal user account. Other technical documentation content is available without logging into the Ruckus Support Portal.

White papers, data sheets, and other product documentation are available at https://www.ruckuswireless.com.

Online Training Resources

To access a variety of online Ruckus training modules, including free introductory courses to wireless networking essentials, site surveys, and Ruckus products, visit the Ruckus Training Portal at https://training.ruckuswireless.com.

Contacting Ruckus Customer Services and Support

The Customer Services and Support (CSS) organization is available to provide assistance to customers with active warranties on their Ruckus Networks products, and customers and partners with active support contracts.

For product support information and details on contacting the Support Team, go directly to the Support Portal using https://support.ruckuswireless.com, or go to https://www.ruckuswireless.com and select **Support**.

What Support Do I Need?

Technical issues are usually described in terms of priority (or severity). To determine if you need to call and open a case or access the self-service resources use the following criteria:

- Priority 1 (P1)—Critical. Network or service is down and business is impacted. No known workaround. Go to the **Open a Case** section.
- Priority 2 (P2)—High. Network or service is impacted, but not down. Business impact may be high. Workaround may be available. Go to the **Open a Case** section.
- Priority 3 (P3)—Medium. Network or service is moderately impacted, but most business remains functional. Go to the **Self-Service Resources** section.
- Priority 4 (P4)—Low. Request for information, product documentation, or product enhancements. Go to the **Self-Service Resources** section.

Open a Case

When your entire network is down (P1), or severely impacted (P2), call the appropriate telephone number listed below to get help:

- Continental United States: 1-855-782-5871
- Canada: 1-855-782-5871
- Europe, Middle East, Africa, and Asia Pacific, toll-free numbers are available at https://support.ruckuswireless.com/contact-us and Live Chat is also available.

Self-Service Resources

The Support Portal at https://support.ruckuswireless.com/contact-us offers a number of tools to help you to research and resolve problems with your Ruckus products, including:

- Technical Documentation—https://support.ruckuswireless.com/documents
- Community Forums—https://forums.ruckuswireless.com/ruckuswireless/categories
- Knowledge Base Articles—https://support.ruckuswireless.com/answers

- Software Downloads and Release Notes—https://support.ruckuswireless.com/software

- Security Bulletins—https://support.ruckuswireless.com/security

Using these resources will help you to resolve some issues, and will provide TAC with additional data from your troubleshooting analysis if you still require assistance through a support case or RMA. If you still require help, open and manage your case at https://support.ruckuswireless.com/case_management

About This Guide

About This Guide

This *SmartCell Gateway™ (SCG) 200 and Virtual SmartZone High-Scale (vSZ-H) Command 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 devices. Consequently, it assumes a basic working knowledge of local area networks, wireless networking, and wireless devices.

> **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 support site at https://support.ruckuswireless.com/contact-us

Introduction to the Controller 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:

- A computer that you want to designate as administrative computer
- 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)
- 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 SCG200 Location of console port

FIGURE 2 SZ300 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.

See the following sections depending on your connection method:
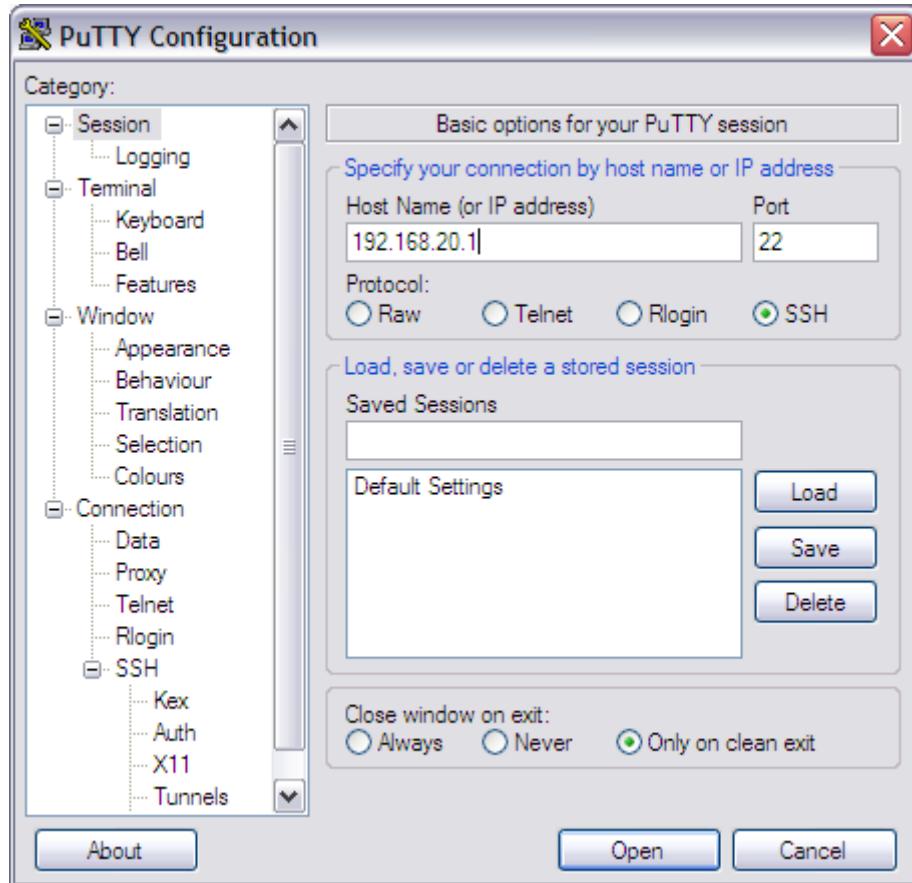
- Using SSH Connection on page 19
- Using Serial Connection on page 20

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 3.
2. In **Connection type**, select **SSH**.

FIGURE 3 Selecting SSH as a connection type
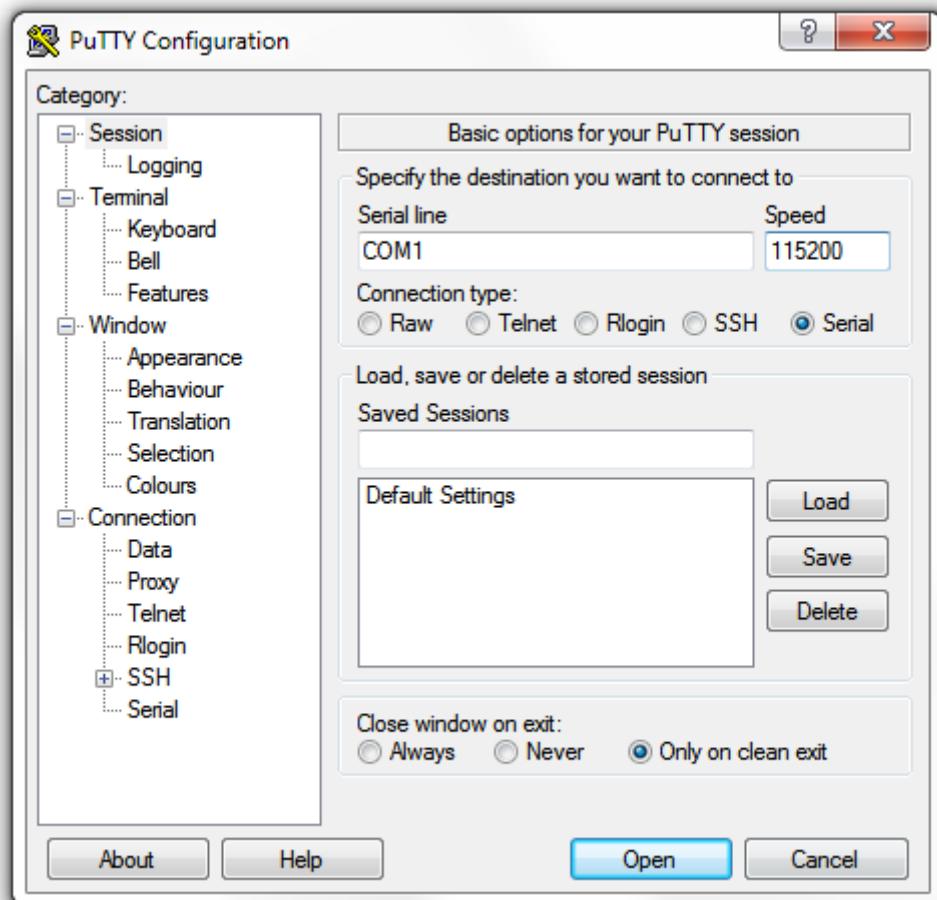
3. Enter the IP address of the Management (Web) interface of the controller in the **Host Name** (or IP address) field as seen in Figure 3.
4. Click **Open**. The **PuTTY console** appears and displays the login prompt. See Figure 7 on page 23.

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 .

2. In **Connection** type, select **Serial** if you are connecting via serial cable.

FIGURE 4 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 5.
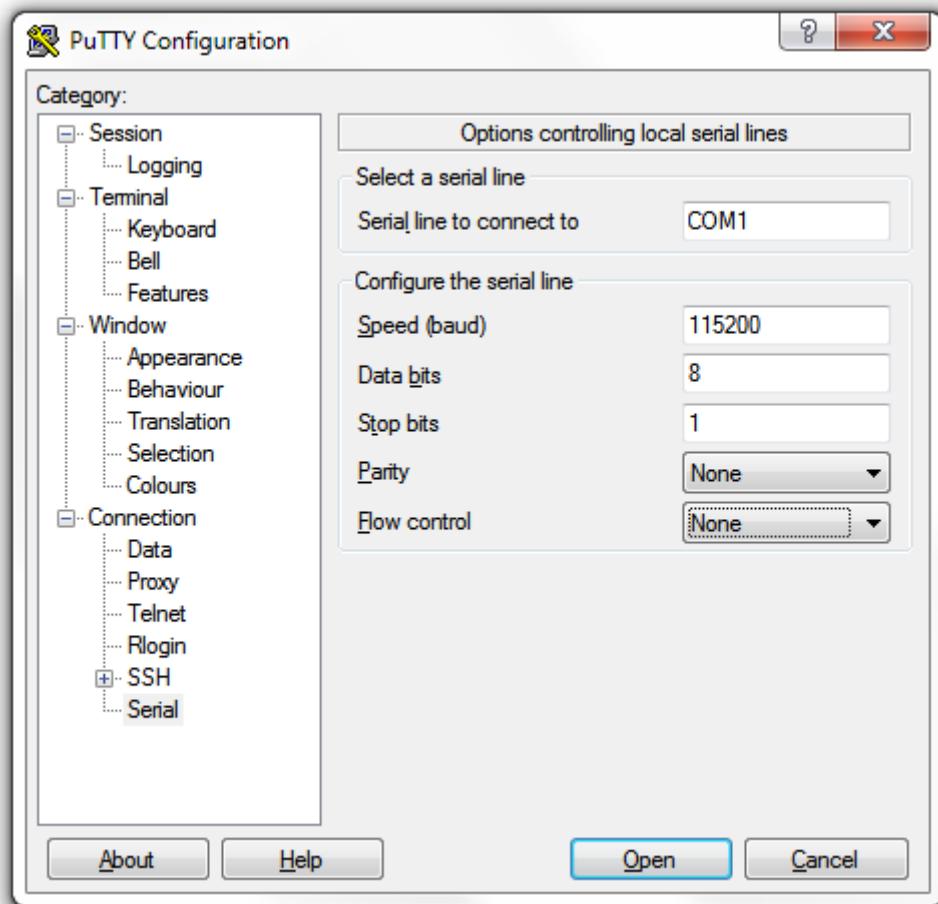
FIGURE 5 PuTTy's default serial connection setting
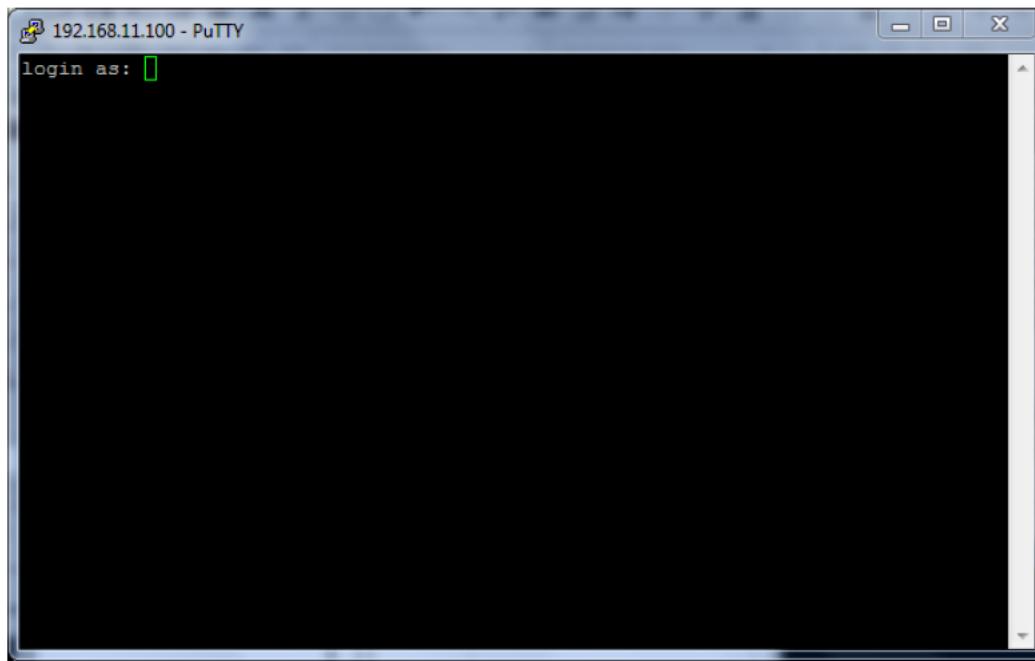
4. Configure the serial connection settings as follows. See Figure 6.

    *   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 6 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 7.

   FIGURE 7 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 controller CLI welcome message appears with the CLI prompt as seen below.

FIGURE 8 Logging into CLI

```
login as: admin
######################################
#        Welcome to SmartZone 300        #
######################################
admin@10.138.70.82's password:
Please wait. CLI initializing...

Welcome to the Ruckus SmartZone 300 Command Line Interface
Version: 5.0.0.0.659

SZ300-2> en
Password: ********

SZ300-2#
  backup              Backup system or configuration


  backup-upgrade      Backup and upgrade system


  cluster             Cluster commands


  config              Enter configuration mode
```

- 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 8 and Figure 9.

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

FIGURE 9 Using show commands

```
NODE63# show meminfo
Total Memory: 127.9 GB
Used Memory: 19.4 GB
Free Memory: 108.6 GB

NODE63# show diskinfo
Total Disk: 1.01504 TB
Used Disk: 111.7 GB
Free Disk: 927.7 GB
```

- 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 10.

FIGURE 10 Using system commands

```
set-1> 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

set-1> ping 172.19.13.60
PING 172.19.13.60 (172.19.13.60) 56(84) bytes of data.
64 bytes from 172.19.13.60: icmp_seq=1 ttl=64 time=0.015 ms
64 bytes from 172.19.13.60: icmp_seq=2 ttl=64 time=0.019 ms
64 bytes from 172.19.13.60: icmp_seq=3 ttl=64 time=0.021 ms
64 bytes from 172.19.13.60: icmp_seq=4 ttl=64 time=0.020 ms
64 bytes from 172.19.13.60: icmp_seq=5 ttl=64 time=0.018 ms

--- 172.19.13.60 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4000ms
rtt min/avg/max/mdev = 0.015/0.018/0.021/0.005 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 11. The prompt changes from ruckus> to ruckus# (with a pound sign) as seen in Figure 11. Refer to enable on page 553 command for details.

FIGURE 11 Changing to privileged mode

Configuration Commands (a - d)

Introduction

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.

config

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

ruckus(config)#

Example

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

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 2 lists the related **acct-profile** configuration commands.
- Table 3 lists the related **acct-profile-realm** configuration commands.
-

Table 2 lists the related **acct-profile** configuration commands.

TABLE 2 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.
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.

TABLE 2 Commands related to ruckus(config-acct-profile). (continued)

Syntax and Type	Parameters (if any)	Description
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 3 lists the related **acct-profile-realm** configuration commands.

.

TABLE 3 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.
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*

Syntax Description

This command uses the following syntax:

name

Active service directory name

Default

This command has no default settings.

Command Mode

Config

Usage Guidelines

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

Example

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

Related Commands

Table 5 on page 33 lists the related **ad-service** configuration commands.

TABLE 4 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	*email*	Sets the user's email details.

TABLE 4 Commands related to ruckus(config-ad-service) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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*

Syntax Description

This command uses the following syntax:

name
> Administrator user name

Default

This command has no default settings.

Command Mode

Config

Usage Guidelines

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

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 5 lists the related **admin** configuration commands.

TABLE 5 Commands related to ruckus(config-admin)

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

TABLE 5 Commands related to ruckus(config-admin) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 6 lists the related **config-admin-radius** configuration commands.

TABLE 6 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-prilnvl** *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.

TABLE 6 Commands related to ruckus(config-admin-radius) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 server name

Default

This command has no default settings.

Command Mode

Config

Example

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

Related Commands

The Table 7 lists related adv-forwarding-profile configuration commands.

The Table 8 lists the related adv-forwarding-profile-apn configuration commands.

TABLE 7 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.
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		Displays the help.

TABLE 7 Commands related to ruckus(config-adv-forwarding-profile) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-adv-forwarding-profile)# name Type: Privileged	*<name>*	Enter the advanced (mixed mode) profile name
ruckus(config-adv-forwarding-profile)# no Type: Privileged	*apn <apn>* *realm <realm>*	Delete forwarding policies for APN or default APNs for realm.
ruckus(config-adv-forwarding-profile)# realm Type: Privileged	*<realm>* : Multiple realms supported. Use a comma (,) to separate realms (example:home1,home2)	Creates or updates the default APN for realm.

TABLE 8 Commands related to ruckus(adv-forwarding-profile-apn)

Syntax and Type	Parameters (if any)	Description
ruckus(adv-forwarding-profile-apn)# do Type: Privileged		Executes the do command.
ruckus(adv-forwarding-profile-apn)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(adv-forwarding-profile-apn)# exit Type: Privileged		Exits from the EXEC.
ruckus(adv-forwarding-profile-apn)# help Type: Privileged		Displays the help.
ruckus(adv-forwarding-profile-apn)# profile Type: Privileged		Sets the forwarding service profile. To view this command run the route-type command.
ruckus(adv-forwarding-profile-apn)# route-type Type: Privileged	*Bridge* *L2oGRE*	Sets the route type to either Bridge or L2oGRE.

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 9 lists the related **ap profile** configuration commands.
- Table 10 lists the related **ap model** configuration commands.
- Table 11 lists the related **ap model lan1** configuration commands.
- Table 11 lists the related **ap pre-prov** configuration commands.

Table 9 lists the related **ap profile** configuration commands.

TABLE 9 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 9 Commands related to ruckus(config-ap) (continued)

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.
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 minClientThroughpu**t *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 9 Commands related to ruckus(config-ap) (continued)

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.
ruckus(config-ap)# ip6 Type: Privileged	**address** *ipgateway*: **address**: Set IPv6 address *ip*: Static IPv6 address *gateway*: Gateway **name-server** *dns-server* **secondary** **name-server**: Set primary and secondary DNS server *dns-server*: DNS server **secondary**: Secondary DNS server	Sets the AP IPv6 network settings.
ruckus(config-ap)# location Type: Privileged	*location*	Sets the location.

TABLE 9 Commands related to ruckus(config-ap) (continued)

Syntax and Type	Parameters (if any)	Description
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: disable: Disable mesh: Mesh AP root: Root AP auto: Auto
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.
ruckus(config-ap)# no Type: Privileged	**admin** **bonjour-gateway** **channel-evaluation-interval** **channel-select-mode** **client-admission-control** **description** **gps** **hotspot20** **ip** *address name-server secondary* **ip6** *address name-server secondary* **location** **location-additional-info** **model** **override-client-admission-control** **override-smart-mon** **override-mgmt-ap-vlan** **override-channel-select-mode** **override-client-admission-control** **override-syslog-opt** **override-zone-location** **no protection-mode** **override-zone-location-additional-info** **radio** **recovery-ssid** **smart-mon**	Disables the configuration.

TABLE 9 Commands related to ruckus(config-ap) (continued)

Syntax and Type	Parameters (if any)	Description
	swap-in-ap	
	syslog	
	uplink-ap	
	venue-profile	
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.
ruckus(config-ap)# protection-mode Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
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** **5g roam** [**enable**	**disable**]	Sets the radio channels.
ruckus(config-ap)# recovery-ssid Type: Privileged		Overrides the enable recovery SSID broad case.
ruckus(config-ap)# smart-mon Type: Privileged	**interval** *between 5-60* **threshold** *between 1-10*	Enables the smart monitor.

TABLE 9 Commands related to ruckus(config-ap) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap)# swap-in-ap Type: Privileged	*mac*	Sets the AP Mac IP address for swap-in.
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 10 lists the related to **ap-model** configuration commands.

TABLE 10 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		Sets the LAN configurations from 1 to 5.

TABLE 10 Commands related to ruckus(config-ap-model) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model)# lan2 ruckus(config-ap-model)# lan3 ruckus(config-ap-model)# lan4 ruckus(config-ap-model)# lan5 Type: Privileged		
ruckus(config-ap-model)# led Type: Privileged		Enables the status of LEDs.
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	*$value*	Switches the PoE mode.
ruckus(config-ap-model)# poe-out-port Type: Privileged		Enables the PoE out port.
ruckus(config-ap-model)# radio-band Type: Privileged	*$value*	Switches the radio band.

TABLE 10 Commands related to ruckus(config-ap-model) (continued)

Syntax and Type	Parameters (if any)	Description
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 11 lists the related to **ap-model-lan1** configuration commands.

TABLE 11 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.
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.

TABLE 11 Commands related to ruckus(config-ap-model-lan1) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-ap-model-lan1)# vlan-members Type: Privileged	*members* : VLAN members	Sets the VLAN members.

Table 12 lists the related to **ap-pre-prov** configuration commands.

TABLE 12 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 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 13 lists the related to **ap-auto-tagging** configuration commands.

TABLE 13 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.

TABLE 13 Commands related to ruckus(config-ap-auto-tagging) (continued)

Syntax and Type	Parameters (if any)	Description
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-cert-expired-check

To enable checking of AP expired certificate use the following command:

Syntax

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

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

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

Related Command

ruckus(config)#no ap-cert-expired-check

Disables the checking of AP expired certificates.

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 uses the following syntax:

value

TOS value

Default

This command has no default settings

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-internal-subnet

To set the tunnel internal subnet use the following command:

Syntax

ruckus(config)# ap-internal-subnet < **ip** >

Syntax Description

This command has the below arguments or keywords:

ip : IP address of the subnet in the format 10.X.0.0

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# ap-internal-subnet 10.0.0.0
```

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 14 lists the related **auth profile** configuration commands.
- Table 15 lists the related **auth profile realm** configuration commands.

    Table 14 lists the related **auth-profile** configuration commands.

TABLE 14 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.
ruckus(config-auth-profile)# default Type: Privileged		Sets default services.

TABLE 14 Commands related to ruckus(config-auth-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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 15 lists the related **auth-profile-realm** configuration commands.

TABLE 15 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		Displays the help.

TABLE 15 Commands related to ruckus(config-auth-profile-realm) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		

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 16 lists the related **bridge-profile** configuration commands.
- Table 16 lists the related **bridge-profile-dhcp-option82** configuration commands.

  Table 16 lists the related **bridge-profile** configuration commands.

TABLE 16 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 1and 2,
ruckus(config-bridge-profile)# dhcp-server1 Type: Privileged	*ip*	Sets the DHCP Server 1
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.

TABLE 16 Commands related to ruckus(config-bridge-profile) configuration (continued)

Syntax and Type	Parameters (if any)	Description
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 17 lists the related **bridge-profile-dhcp-option82** configuration commands.

TABLE 17 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)# subtopt1 Type: Privileged	[**ap-info** | **ap-essid** | **ap-mac**]	Enables subopt-1
ruckus(config-bridge-profile-dhcp-option82)# subtopt150 Type: Privileged		Enables subopt-150

TABLE 17 Commands related to ruckus(config-bridge-profile-dhcp-option82) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-bridge-profile-dhcp-option82)# subtopt151 Type: Privileged	**essid** **area-name** *name*	Enables subopt-151
ruckus(config-bridge-profile-dhcp-option82)# subtopt2 Type: Privileged	[**ap-essid** | **ue-essid** | **ue-mac** | **ap-mac**]	Enables subopt-2

calea

Syntax Description

This command uses the following syntax:

ruckus(config)# calea mac

ruckus(config)# calea server ip

Default

This command has no default settings.

Command Mode

Config

Example

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

Related Commands

The following table lists the related calea-store configuration commands.

TABLE 18 Commands related to ruckus(config-calea) configuration

Syntax and Type	Parameters (If Any)	Description
ruckus(config-calea)# mac Type: Privileged	*ftp-url*	Updates Calea UE MAC configuration.
ruckus(config-calea)# server-ip Type: Privileged	*ip*	Updates Calea server IP configuration.

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-storeweb-cert *name*

Syntax Description

ruckus(config)# cert-store

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 19 lists the related **cert-store** configuration commands.

TABLE 19 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.
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	*org-unit*	Sets the organization unit.

TABLE 19 Commands related to ruckus(config-cert-store) configuration (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		

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-name

To change the cluster name.

ruckus(config)# cluster-name < cluster-name>

Syntax Description

This command uses the following syntax:

cluster-name
New cluster name

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)#  cluster-name md
This command will restart some services. Do you want to continue (or input 'no' to cancel)? [yes/no]
```

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

The Table 20 lists the related cluster-redundancy configuration commands.

TABLE 20 Commands related to ruckus(config-cluster-redundancy)

Syntax and Type	Parameters (if any)	Description
ruckus(config-cluster-redundancy)# do Type: Privileged		Executes the do command.
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)# get-ap-keep-connected-timeout Type: Privileged		Gets the AP connected timeout.
ruckus(config-cluster-redundancy)# help Type: Privileged		Displays the help.
ruckus(config-cluster-redundancy)# set-ap-keep-connected-timeout Type: Privileged		Sets the AP connected timeout.

controller-description

To modify or update the controller description, use the following command:

ruckus(config)# controller-description <controller description>

Syntax Description

This command uses the following syntax:

controller-description
Change the controller description

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# controller-description sz300
This command will restart some services. Do you want to continue (or input 'no' to cancel)? [yes/no]
```

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 21 lists the related **data plane** configuration commands

TABLE 21 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.
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	Updates the IP configuration.

TABLE 21 Commands related to ruckus(config-data-plane) (continued)

Syntax and Type	Parameters (if any)	Description
	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	
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-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

The tables below lists Table 22 .

TABLE 22 Commands related to ruckus(config-diameter-system-wide)

Syntax and Type	Parameters (if any)	Description
ruckus(config-diameter-system-wide)# do Type: Privileged		Executes the do command.
ruckus(config-diameter-system-wide)# end Type: Privileged		Ends the current configuration session and returns 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	*<seconds>*	Updates the peer expiry time in seconds.

TABLE 22 Commands related to ruckus(config-diameter-system-wide) (continued)

Syntax and Type	Parameters (if any)	Description
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 23 lists the related **domain** configuration commands.
- Table 24 lists the related **domain-zone** configuration commands.
- Table 25 lists the related **domain-zone-aaa** configuration commands.
- Table 26 lists the related **domain-zone-ap**-group configuration commands.
- Table 27 lists the related **domain-zone-ap-snmp** configuration commands.
- Table 28 lists the related **domain-zone-ap-group-lldp** configuration commands.
- Table 30 lists the related **domain-zone**-ap-model configuration commands.
- Table 31 lists the related **domain-zone-ap-model-lan1** configuration commands.
- Table 32 lists the related **domain-zone-ap-registration-rule** configuration commands.
- Table 33 lists the related **domain-zone-block-client** configuration commands.
- Table 34 lists the related **domain-zone-bonjour-fencing-policy** configuration commands.
- Table 42 lists the related **domain-zone-bonjour-policy-rule** configuration commands.
- Table 37 lists the related **domain-zone-client-isolation-whitelist** configuration commands.
- Table 40 lists the related **domain-zone-bonjour-policy** configuration commands.
- Table 43 lists the related **domain-zone-device-policy** configuration commands.
- Table 44 lists the related **domain-zone-device-policy rule** configuration commands.
- Table 34 lists the related **domain-zone-ethernet-port-profile** configuration commands.

- Table 47 lists the related **domain zone-guest-access** configuration commands.
- Table 48 lists the related **domain-zone-hotspot** configuration commands.
- Table 52 lists the related **domain-zone-l2-acl** configuration commands.
- Table 54 lists the related **domain-zone-web-authentication** configuration commands.
- Table 55 lists the related domain-zone-wechat configuration commands.
- Table 56 lists the related **domain-zone-wlan** configuration commands.
- Table 58 lists the related **domain-zone-wlan-group** configuration commands.
- Table 59 lists the related **domain-zone-wlan-scheduler** configuration commands.

Table 23 lists the related to **domain** configuration commands.

TABLE 23 Commands related to ruckus(config-domain)

Syntax and Type	Parameters (if any)	Description
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>	Disables and deletes command configuration.
ruckus(config-domain)# parent Type: Privileged	*name*	Sets the parent domain name.
ruckus(config-domain)# zone Type: Privileged	*name*: AP zone name *name* **template** *name* : Create from template *name* **clone** *name* : Clone from an existing AP zone *name* **ap-firmware** *ap-firmware* : Change AP firmware *name* **cluster-switch-over** *name*: Enable cluster switchover	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 24 lists the related **domain-zone** configuration commands.

TABLE 24 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.
ruckus(config-domain-zone)# ap-mgmt-vlan Type: Privileged	*lvlanTag*: 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-zone)# ap-ping-latency-interval Type: Privileged	*enable* *disable*	Sets the AP latency detection by enabling or disabling the AP ping.
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)# ap-snmp-options Type: Privileged		Sets the AP SNMP options.
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)# block-client Type: Privileged	*mac*: Client MAC Address	Sets to block clients.
ruckus(config-domain-zone)# bonjour-gateway Type: Privileged		Enables the bonjour gateway.

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# bonjour-policy Type: Privileged	*name*	Creates or updates the bonjour policy.
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.
ruckus(config-domain-zone)# client-isolation-whitelist Type: Privileged	*name*: Client isolation whitelist name	Creates or updates the client isolation whitelist.
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.

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
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)# dos-protection Type: Privileged	*dosBarringPeriod* : DoS protection period *dosBarringThreshold* : DoS protection threshold *dosBarringCheckPeriod* : DoS protection checkperiod	Enables DoS (Denial-of-service) protection.
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)# gps-altitude Type: Privileged	*altitude*[**floor**|**meters**] altitude value floor meters	Sets the GPS altitude.
ruckus(config-domain-zone)# guest-access Type: Privileged	*name*	Sets the guest access.
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-profile Type: Privileged	*profile-name*	Sets the IPsec profile.

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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* **band-balancing** **block-client** **bonjour-fencing** **bonjour-fencing-policy** **bonjour-gateway** **bonjour-policy** **channel-select-mode** **client-admission-control** *2.4g 5g* **client-isolation-whitelist** **description** **device-policy**	Disables and deletes commands.

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
	dfs-channel	
	diffserv	
	dos-protection	
	ethernet-port-profile	
	gps	
	gps-altitude	
	guest-access	
	hotspot *name*	
	hotspot20-venue-profile *name*	
	hotspot20-wlan-profile	
	indoor-channel	
	ipsec-profile	
	l2-acl	
	lbs	
	load-balancing	
	location	
	location-additional-info	
	mesh	
	protection-mode <2.4g ${value}>	
	recovery-ssid-enabled	
	roam	
	soft-gre-profiles	
	smart-mon	
	smart-roam-disconnect-event	
	syslog-enabled	
	timezone-dst	
	usb-software	
	venue-code	
	venue-profile	
	vlan-overlapping	
	vlan-pooling	
	web-authentication	
	wechat	
	wlan *name*	
	wlan-group *name*	
	wlan-scheduler *name*	
ruckus(config-domain-zone)# node-affinity-profile	*profile-name*	Sets the node affinity profile

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-domain-zone)# protection-mode Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
ruckus(config-domain-zone)# recovery-ssid-enabled Type: Privileged		Enables recovery of SSID broadcast.
ruckus(config-domain-zone)# rks-gre-profile Type: Privileged	**profile-name**	Sets the AP Ruckus GRE tunnel profile.
ruckus(config-domain-zone)# roam Type: Privileged	**2.4g** **5g**	Sets the smart roam.
ruckus(config-domain-zone)# rogue-ap-detection Type: Privileged	[**disable** | **enable**] : Disables or enables rogue access points **report-all** [**disable** | **enable**]: Enables or disables all rogue devices **report-only-malicious** [**enable** | **disable**]: Enables or disables only malicious rogue device types **report-ssid-spoofing** [**disable** | **enable**] : Enables or disables malicious rogue devices which have SSID spoofing	Sets the report rogue access point.
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)# secondary-channel Type: Privileged	5g indoor [*Secondary channel*] 5g outdoor[*Secondary channel*]	Sets the secondary channel.
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-zone)# soft-gre-profiles Type: Privileged	<profile-name> <profile-name> <profile-name> - Select the first, second and third SoftGRE tunnel profile	Sets AP SoftGRE tunnel profiles

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
	<profile-name> <profile-name> - Select the first and second SoftGRE tunnel profile <profile-name> - Select the first SoftGRE tunnel profile	
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.
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.
ruckus(config-domain-zone)# usb-software Type: Privileged	**upload** *ftp-url*	Sets the AP USB software package.

TABLE 24 Commands related to ruckus(config-domain-zone) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone)# venue-code Type: Privileged	*code*Venue Code	Sets the venue code.
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 25 lists the related **domain-zone-aaa** configuration commands.

TABLE 25 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.

TABLE 25 Commands related ruckus(config-domain-zone-aaa) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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.
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)# test-acct Type: Privileged		Tests the accounting server.
ruckus(config-domain-zone-aaa)# type Type: Privileged	[**radius** | **radius-acct** | **LDAP** | **AD**]	Sets the RADIUS type.

TABLE 25 Commands related ruckus(config-domain-zone-aaa) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-aaa)# windows-domain Type: Privileged	*windows-domain*	Sets the windows domain name.

Table 26 lists the related **domain-zone-ap-group** configuration commands.

TABLE 26 Commands related to ruckus(config-domain-zone-ap-group)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-group)# ani-ofdm-level Type: Privileged	*ap-mode*: AP model name	Sets the AP adaptive noise immunity level for specific AP model.
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** *${value}*	Sets the channel.
ruckus(config-domain-zone-ap-group)# channel-evaluation-interval Type: Privileged	*seconds*: The interval value (60~3600 secs)	Sets the channel evaluation interval.
ruckus(config-domain-zone-ap-group)# channel-range Type: Privileged	**2.4g** [*channels* | **all**]: 2.4GHz radio **5g indoor** [*channels* | **all**]: 5GHz radio **5g outdoor** [*channels* | **all**]: 5GHz radio	Set channel range.
ruckus(config-domain-zone-ap-group)# channel-select-mode Type: Privileged	**2.4g** *${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}*: 5Hz 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*	Enables the client admission control.

TABLE 26 Commands related to ruckus(config-domain-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
	Max Radio Load (Default: 75%)	
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.
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)# gps-altitude Type: Privileged	*altitude* [**floor** | **meters**]	Sets the GPS altitude.
ruckus(config-domain-zone-ap-group)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ap-group)# internal-heater	*ap-model* [**enable** | **disable**]	Sets the internal heater for specific AP model.

TABLE 26 Commands related to ruckus(config-domain-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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.
ruckus(config-domain-zone-ap-group)# no Type: Privileged	**ani-ofdm-level** **channel 2.4g** **channel 5g indoor** **channel 5g outdoor** **channel-evaluation-interval** **channel-select-mode** **channel-range** **channelization 2.4g** **channelization 5g** **client-admission-control** **description** **external-antenna** *ap-model* **5g** **external-antenna** *ap-model* **2.4g** **gps** **internal heater** **lbs** **led-mode** **lldp**	Disables / deletes the configuration settings.

TABLE 26 Commands related to ruckus(config-domain-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
	location	
	location-additional-info	
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** **recovery-ssid** **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.
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.

TABLE 26 Commands related to ruckus(config-domain-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
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-zone-ap-group)# protection-mode Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
ruckus(config-domain-zone-ap-group)# radio-band Type: Privileged	*ap-model* [**2.4g** | **5g**]	Switches the radio band for a specific AP model.
ruckus(config-domain-zone-ap-group)# recovery-ssid Type: Privileged	*enable* *disable*	Enable or disable recovery of SSID broadcast.
ruckus(config-domain-zone-ap-group)# status-leds Type: Privileged	*ap-model* [**enable** | **disable**]	Sets the status LED for specific AP model.
ruckus(config-domain-zone-ap-group)# tx-power Type: Privileged	**2.4g** *${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.
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 27 lists the related domain zone-ap-snmp-options configuration commands.

TABLE 27 Commands related to ruckus(config-domain zone-ap-snmp configuration)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp)# ap-snmp Type: Privileged		Enables AP SNMP.

TABLE 27 Commands related to ruckus(config-domain zone-ap-snmp configuration) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ap-snmp)# no Type: Privileged	**ap-snmp** **snmp-v2-community**name **snmp-v3-user**name	Disables the settings that have been configured with these commands.
ruckus(config-domain-zone-ap-snmp)# snmp-v2-community Type: Privileged	name: Community name	Adds or updates the AP SNMPv2 community.
ruckus(config-domain-zone-ap-snmp)# snmp-v3-user Type: Privileged	name: User name	Adds or updates the AP SNMPv3 user.

Table 28 lists the related **domain-zone-ap-group-lldp** configuration commands.

TABLE 28 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 29 lists the related **domain-zone-ap-group-port-setting** configuration commands.

TABLE 29 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] s**upplicant 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		Exits from the EXEC.

TABLE 29 Commands related to ruckus(config-domain-zone-ap-group-port-setting) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-domain-zone-ap-group-port-setting)# help Type: Privileged		Displays the help.
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 30 lists the related to **zone-ap-model** configuration commands.

TABLE 30 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* **2.4g** *number* [**3** | **2**] **5g** *number* **5gg** *number* [**2** | **3**]	Sets the external antenna.
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.

TABLE 30 Commands related to ruckus(config-zone-ap-model) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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.

TABLE 30 Commands related to ruckus(config-zone-ap-model) (continued)

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

Table 31 lists the related **domain-zone-ap-model-lan1** configuration commands.

TABLE 31 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.
ruckus(config-domain-zone-ap-model-lan1)# profile Type: Privileged	*profile*: Ethernet Port profile	Sets the Ethernet Port profile.

TABLE 31 Commands related to ruckus(config-domain-zone-ap-model-lan1) (continued)

Syntax and Type	Parameters (if any)	Description
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 32 lists the related **domain-zone-ap-registration-rule** configuration commands.

TABLE 32 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.
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 33 lists the related domain-zone-block-client configuration commands.

TABLE 33 Commands related to ruckus(config-domain-zone-block-client)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-block-client)# description Type: Privileged	*text*	Sets the description.

Table 34 lists the related domain-zone-bonjour-fencing-policy configuration commands.

TABLE 34 Commands related to ruckus(config-domain-zone-bonjour-fencing-policy)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone- bonjour-fencing-policy)# description Type: Privileged	*text*	Sets the description.
ruckus(config-domain-zone- bonjour-fencing-policy)# no Type: Privileged	**description** **rule***rule index*	Sets to delete sub commands.
ruckus(config-domain-zone- bonjour-fencing-policy)# rule Type: Privileged	*index*: rule index	Sets the bonjour fencing rule.

Table 35 lists the related domain-zone-bonjour-policy-rule configuration commands.

TABLE 35 Commands related to ruckus(config-domain-zone-bonjour-policy-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy-rule)# description Type: Privileged	*text*	Sets the description.
ruckus(config-domain-zone-bonjour-policy-rule)# no Type: Privileged	**rule***rule index*	Sets to delete sub commands.
ruckus(config-domain-zone-bonjour-policy-rule)# rule Type: Privileged	*index*: rule index	Sets the bonjour fencing rule.

Table 143 on page 369 lists the related **domain zone-bonjour-fencing-policy-rule** configuration commands.

TABLE 36 Commands related to ruckus(config-domain-zone-bonjour-fencing-policy-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# closest-ap Type: Privileged	<text>	Sets the configuration to the closest AP.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# device-mac-list	${value}	Lists the devices, which use MAC address.

TABLE 36 Commands related to ruckus(config-domain-zone-bonjour-fencing-policy-rule) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# device-type Type: Privileged		Sets the device type.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# fence-range Type: Privileged		Sets the fence range.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# no Type: Privileged	*device-mac-list*	Disables the configuration.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# service-type Type: Privileged		Sets the service type.

Table 37 lists the related domain-zone-client-isolation-whitelist configuration commands.

TABLE 37 Commands related to ruckus(config-zone-domain-client-isolation-whitelist)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-client-isolation-whitelist)# auto Type: Privileged		Enables the auto whitelist. Each entry must have an IP address in order to enable auto whitelist.
ruckus(config-domain-zone-client-isolation-whitelist)# description Type: Privileged	*text*	Sets the description.
ruckus(config-domain-zone-client-isolation-whitelist)# entry Type: Privileged	*index*: entry index	Sets the client isolation entry.
ruckus(config-domain-zone-client-isolation-whitelist)# no Type: Privileged	**auto** **description** **entry**	Sets to delete sub command

Table 38 lists the related domain **zone-ap-snmp-options-snmp-v2-community** configuration commands.

TABLE 38 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 38 Commands related to ruckus(config-domain zone-ap-snmp-options-snmp-v2-community configuration) (continued)

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 39 lists the related **config-domain-zone-ap-snmp-options-snmp-v3-user** configuration commands.

TABLE 39 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.
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.
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.

Table 40 lists the related **domain-zone-bonjour-policy** configuration commands.

TABLE 40 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.
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 42 lists the related **zone-bonjour-policy-rule** configuration commands.

TABLE 41 Commands related to ruckus(config-domain-zone-bonjour-fencing-policy-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# closest-ap Type: Privileged	<text>	Sets the configuration to the closest AP.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# device-mac-list Type: Privileged	${value}	Lists the devices, which use MAC address.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# device-type Type: Privileged		Sets the device type.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# fence-range Type: Privileged		Sets the fence range.
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# no	*device-mac-list*	Disables the configuration.

TABLE 41 Commands related to ruckus(config-domain-zone-bonjour-fencing-policy-rule) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-domain-zone-bonjour-fencing-policy-rule)# service-type Type: Privileged		Sets the service type.

Table 42 lists the related **domain-zone-bonjour-policy-rule** configuration commands.

TABLE 42 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	**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-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.
ruckus(config-domain-zone-bonjour-policy-rule)# protocol Type: Privileged		Sets the bridge service when it is 'other'.

TABLE 42 Commands related to ruckus(config-domain-zone-bonjour-policy-rule) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-bonjour-policy-rule)# to-vlan Type: Privileged	*int*	Sets the VLAN.

Table 43 lists the related **domain-zone-device-policy** configuration commands.

TABLE 43 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 44 lists the related **domain-zone-device-policy-policy-rule** configuration commands.

TABLE 44 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.

TABLE 44 Commands related to ruckus (config-domain-zone-device-policy-policy rule) (continued)

Syntax and Type	Parameters (if any)	Description
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 45 lists the related **domain-zone-diffserv** configuration commands.

TABLE 45 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 34 lists the related domain-zone-ethernet-port-profile configuration commands.

TABLE 46 Commands related to ruckus(config-domain-ethernet-port-profile)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-ethernet-port-profile)# 8021x Type: Privileged	*text*	Sets the 802.1x.
ruckus(config-zone-ethernet-port-profile)# 8021x-enable Type: Privileged		Enable 802.1x
ruckus(config-domain-zone-ethernet-port-profile)# acct-service Type: Privileged	*acct-service*	Sets the accounting service.
ruckus(config-domain-zone-ethernet-port-profile)# auth-service Type: Privileged	*auth-service*	Sets the authentication service.
ruckus(config-zone-ethernet-port-profile)# client-visibility Type: Privileged		Enables client visibility regardless of 802.1X authentication
ruckus(config-domain-zone-ethernet-port-profile)# dvlan Type: Privileged		Enables the dynamic VLAN.
ruckus(config-domain-zone-ethernet-port-profile)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-ethernet-port-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-ethernet-port-profile)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-ethernet-port-profile)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-ethernet-port-profile)# guest-vlan Type: Privileged	*guest-vlan-id*	Enables the dynamic guest VLAN.
ruckus(config-domain-zone-ethernet-port-profile)# mac-bypass Type: Privileged		Enables the MAC authentication bypass.
ruckus(config-domain-zone-ethernet-port-profile)# no Type: Privileged	**8021x-enable** **acct-service** **client-visibility** **dvlan** **mac-bypass** **proxy-acct**	Disables various options.

TABLE 46 Commands related to ruckus(config-domain-ethernet-port-profile) (continued)

Syntax and Type	Parameters (if any)	Description
	proxy-auth **tunnel**	
ruckus(config-domain-zone-ethernet-port-profile)# proxy-acct Type: Privileged		Enables proxy accounting service.
ruckus(config-domain-zone-ethernet-port-profile)# proxy-auth Type: Privileged		Enables proxy authentication service.
ruckus(config-domain-zone-ethernet-port-profile)# supplicant Type: Privileged	**mac** - MAC IP address **custom**_username_ _password_	Sets the supplicant.
ruckus(config-domain-zone-ethernet-port-profile)# tunnel Type: Privileged		Enables tunnel.
ruckus(config-domain-zone-ethernet-port-profile)# type Type: Privileged		Sets the port type.
ruckus(config-domain-zone-ethernet-port-profile)# vlan-members Type: Privileged	_vlan-members_	Sets the VLAN members.
ruckus(config-domain-zone-ethernet-port-profile)# vlan-untag-id Type: Privileged	_vlan-untag-id_	Sets the VLAN members.

Table 47 lists the related **domain-zone-guest-access** configuration commands.

TABLE 47 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.

TABLE 47 Commands related to ruckus (config-zone-guest-access) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 48 lists the related **domain-zone-hotspot** configuration commands.

TABLE 48 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.
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.

TABLE 48 Commands related to ruckus(config-domain-zone-hotspot) (continued)

Syntax and Type	Parameters (if any)	Description
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)# https-redirect Type: Privileged	*enable*	If enabled, the AP tries to redirect the HTTPS requests to the hotspot portal.
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
ruckus(config-domain-zone-hotspot)# mac-address-format Type: Privileged		Sets the MAC address format.
ruckus(config-domain-zone-hotspot)# no Type: Privileged	**https-redirect** **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** *start-url*	Sets the start page.

TABLE 48 Commands related to ruckus(config-domain-zone-hotspot) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-hotspot)# terms-conditions Type: Privileged	**redirect**	Sets the terms and conditions.
ruckus(config-domain-zone-hotspot)# title Type: Privileged	*title*	Sets the title.
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 48 lists the related **domain-zone-hotspot20-venue-profile** configuration commands.

TABLE 49 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.
ruckus(config-domain-zone-hotspot20-venue-profile)# venue-category Type: Privileged	**unspecified unspecified** **assembly** [**coffee-shop** | **passenger-terminal** | **restaurant** | **bar** | **arena** | **library** | **place-of-worship** | **emergencycoordination-center** | **museum** | **stadium** | **convention-center** | **unspecified** | **amphitheater** | **amusement-park** | **theater** | **zoo-or-aquarium**] **business** [**unspecified** | on | **attorney-office** | **professional-office** | **research-and-development-facility** |**doctor-or-**	Sets the venue category

TABLE 49 Commands related to ruckus(config-domain-zone-hotspot20-venue-profile) (continued)

Syntax and Type	Parameters (if any)	Description
	dentist-office | **fire-station** | **post-office** | **bank**]	
	educational [**unspecified** | **school-primary** | **university-or-college** | **school-secondary**]	
ruckus(config-domain-zone-hotspot20-venue-profile) Type: Privileged	**factory-and-industrial** [| **factory**]	Sets the venue category.
	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** | **a bus** | **motor-bike** | **unspecified** | **ship-or-boat**	
	outdoor [**unspecified** | **city-park** | **bus-stop** | **traffic-control** | **rest-area** | **muni-mesh-network** | **kiosk**]	
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.

TABLE 49 Commands related to ruckus(config-domain-zone-hotspot20-venue-profile) (continued)

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

Table 50 lists the related **domain-zone-hotspot20-wlan-profile** configuration commands.

TABLE 50 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.
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

TABLE 50 Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile) (continued)

Syntax and Type	Parameters (if any)	Description
		voip-17: Protocol Number:17 Port:5060 Protocol Name: VoIP icmp: Protocol Number:1 Port:0 Protocol Name: ICMP
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.
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	[not-available | unknown | available]	Sets the IPv6 address.

TABLE 50 Commands related to ruckus(config-domain-zone-hotspot20-wlan-profile) (continued)

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

Table 51 lists the related **domain-zone-hotspot20-wlan-profile-cust-connect-capabilities** configuration commands.

TABLE 51 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.
ruckus(config-domain-zone-hotspot20-wlan-profile-cust-connect-capabilities) status Type: Privileged	[**closed** | **unknown** | **open**]	Sets the status.

Table 52 lists the related **domain-zone-l2-acl** configuration commands.

TABLE 52 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 53 lists the related **domain-zone-vlan-pooling** configuration commands.

TABLE 53 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.
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 54 lists the related **domain-zone-web-authentication** configuration commands.

TABLE 54 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.

TABLE 54 Commands related to ruckus (config-domain-zone-web-authentication) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-web-authentication)# grace-period Type: Privileged	*minutes*	Sets the grace period.
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 55 lists the related domain-zone-wechat configuration commands.

TABLE 55 Commands related to ruckus(config-domain-zone-wechat)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wechat)# authentication-url Type: Privileged	*text*	Sets the authentication URL.
ruckus(config-domain-zone-wechat)# Type: Privileged	*text*	Sets the black list.
ruckus(config-domain-zone-wechat)# Type: Privileged	*text*	Sets the description.
ruckus(config-domain-zone-wechat)# dnat-destination Type: Privileged	*text*	
ruckus(config-domain-zone-wechat)# dnat-port-mapping Type: Privileged	*sourcedest*	Sets the DNAT destination.
ruckus(config-domain-zone-wechat)# do Type: Privileged		Executes the do command.
ruckus(config-domain-zone-wechat)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-domain-zone-wechat)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-domain-zone-wechat)# help Type: Privileged		Displays the help.
ruckus(config-domain-zone-wechat)# grace-period Type: Privileged	*minutes*	Set the grace period as minutes.
ruckus(config-domain-zone-wechat)# no	**dnat-port-mapping**	Disables various options.

TABLE 55 Commands related to ruckus(config-domain-zone-wechat) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged	**white-list**	
ruckus(config-domain-zone-wechat)# white-list Type: Privileged	*white-list*: Allow unauthorized destinations. Comma- separated IP, IP range, CIDR and regular expression domain name list.	Sets the white list.

Table 56 lists the related domain-zone-wlan configuration commands.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# aaa-vlan-override Type: Privileged		Enables AAA VLAN override.
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.
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.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)#bypass-cna Type: Privileged		Enable to bypass CNA server.
ruckus(config-domain-zone-wlan)# calea Type: Privileged		Enable Calea 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.
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)# directed-multicast Type: Privileged		Sets the directed multicast.
ruckus(config-domain-zone-wlan)# directed-threshold Type: Privileged	*number* Directed threshold should range from 0 to 128	Sets the directed MC/BC threshold
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.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# disable-wlan Type: Privileged		Disables this WLAN service.
ruckus(config-domain-zone-wlan)# dnlink-limit Type: Privileged		Sets the downlink rate limiting.
ruckus(config-domain-zone-wlan)# dns-server-profile Type: Privileged		Sets the DNS server profile.
ruckus(config-domain-zone-wlan)# dp-tunnel-nat Type: Privileged		Enables the DP tunnel NAT server.
ruckus(config-domain-zone-wlan)# dpsk-effective-type Type: Privileged		Sets the DPSK expiration effective type.
ruckus(config-domain-zone-wlan)# dpsk-expiration Type: Privileged		Sets the DPSK expiration.
ruckus(config-domain-zone-wlan)# dpsk-length Type: Privileged	*number*: key length (8-62)	Sets the DPSK length. The range is 8-62.
ruckus(config-domain-zone-wlan)# dpsk-type Type: Privileged		Sets the DPSK type.
ruckus(config-domain-zone-wlan)# dpsk-server-type Type: Privileged		Sets DPSK type.
ruckus(config-domain-zone-wlan)# dtim-interval Type: Privileged	*number*: DTIM interval must range from 1 to 255	Sets the DTIM interval.
ruckus(config-domain-zone-wlan)# eap-acct-ip-attr-ignore Type: Privileged		Accounting service - enables the attribute *ignore* for EAP Accounting IP address.
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.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
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).
ruckus(config-domain-zone-wlan)# external-nas Type: Privileged		Enables the external NAS IP address.
ruckus(config-domain-zone-wlan)# flow-log Type: Privileged		Enables the flow log.
ruckus(config-domain-zone-wlan)# flexi-vpn Type: Privileged	*profile-name*: vSZ-D zone affinity profile name	Sets the flexi vpn profile. This command is applicable to vSZ-H.
ruckus(config-domain-zone-wlan)# flexi-vpn-destination-vlan Type: Privileged	*destination VLAN*	Sets the VLAN destination in the range from 1to 4094 for flexi-vpn. This command is applicable to vSZ-H.
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.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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)# ipsec-profile Type: Privileged	*${value}*	Sets the IPsec profile for SoftGRE only.
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	[**11mbps** | **1mbps** | **54mbps** | **24mbps** | **36mbps** | **12mbps** | **5.5mbps** | **9mbps** | **48mbps** | **2mbps** | **18mbps** | **6mbps**]	Sets the management Tx rates.
ruckus(config-domain-zone-wlan)# mobility-domain-id Type: Privileged	*number*: ID number (1-65535)	Sets the mobility domain identifier (for 802.11r).
ruckus(config-domain-zone-wlan)# no Type: Privileged	**aaa-vlan-override** **access-network** **acct-delay-time** **acct-service** **acct-service-use-proxy** **acct-ttg-session** **auth-service-use-proxy** **bss-minrate**	Disables or deletes the configuration settings.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
	bypass-cna	
	calea	
	client-fingerprinting	
	client-tx-rx-statistics	
	device-policy	
	dgaf	
	dhcp-option-82	
	diffserv-profile	
	directed-multicast	
	disable-band-balancing	
	disable-load-balancing	
	disable-wlan	
	dnlink-limit	
	dns-server-profile	
	dp-tunnel-nat	
	eap-acct-ip-attr-ignore	
	enable-rfc5580-support	
	external-nas	
	flexi-vpn	
	flexi-vpn-destination-vlan	
	flow-log	
	force-dhcp	
	hessid	
	hide-ssid	
	hotspot20-osu-support	
	ipsec-profile	
	l2-acl	
	mac-auth	
	ofdm-only (Orthogonal Frequency Division Multiplexing)	
	okc-support	
	onboarding-auth-service	
	onboarding-auth-service-use-proxy	
ruckus(config-domain-zone-wlan)# no Type: Privileged	**pmk-caching** **proxy-arp** **qinq-vlan** **qos-map-enable**	Disables or deletes the configuration settings.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
	roam **single-session-id-acct** **support-802-11d** **support-802-11k** **support-802-11r** **uplink-limit** **user-traffic-profile** **vlan-enabled** **vlan-pooling** **wireless-client-isolation** **wireless-client-isolation-whitelist** **wireless-client-isolation** **wispr-ttg-support** **zero-it-activation** **zero-it-onboarding**	
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.
ruckus(config-domain-zone-wlan)# onboarding-auth-service Type: Privileged	*service-name* **local** *realm* *service-name* **remote** *realm* *service-name* **local** *realm* **never** *service-name* **local** *realm* **hour** *expiration-value*: Expiration value between 1 and 175200. *service-name* **local** *realm* **day** *expiration-value*: Expiration value between 1 and 7300. *service-name* **local** *realm* **week** *expiration-value*: Expiration value between 1 and 1040. *service-name* **local** *realm* **month** *expiration-value*: Expiration value between 1 and 240.	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.
ruckus(config-domain-zone-wlan)# onboarding-portal Type: Privileged	*name*	Sets the onboarding portal.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
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-ip Type: Privileged	*ip*	Sets the RADIUS NAS IP address.
ruckus(config-domain-zone-wlan)# radius-nas-ip-type Type: Privileged	[**sz-mgmt-ip** | **disabled**|**user**|**sz-control-ip**	Sets the RADIUS NAS IP type.
ruckus(config-domain-zone-wlan)# radius-nas-max-retries Type: Privileged	*times*	Sets the maximum number of retries for RADIUS NAS.
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.

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# scheduler Type: Privileged	[*Profile Name*]	Sets the WLAN scheduler profile.
ruckus(config-domain-zone-wlan)# single-session-id-acct Type: Privileged		Enables Single Session ID Accounting.
ruckus(config-domain-zone-wlan)# ssid Type: Privileged	*ssid*	Sets the WLAN SSID configuration.
ruckus(config-domain-zone-wlan)# ssid-rate-limiting Type: Privileged	*uplink* *downlink*	Sets the SSID rate limit as either uplink or downlink with the range 1-200 mbps.
ruckus(config-domain-zone-wlan)# support-802-11d Type: Privileged		Enables support for 802.11d.
ruckus(config-domain-zone-wlan)# support-802-11k Type: Privileged		Enables support for 802.11k neighbor reports.
ruckus(config-domain-zone-wlan)# support-802-11r Type: Privileged		Enables 802.11r fast BSS transition.
ruckus(config-domain-zone-wlan)# tunnel-profile Type: Privileged	*${value}*	Sets the GRE tunnel profile.
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.
ruckus(config-domain-zone-wlan)# venue-code Type: Privileged		Enables venue code.
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

TABLE 56 Commands related to ruckus(config-domain-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-domain-zone-wlan)# wireless-client-isolation Type: Privileged		Sets the wireless client Isolation.
ruckus(config-domain-zone-wlan)# wireless-client-isolation-whitelist Type: Privileged	[*Whitelist Name*]	Sets the wireless client Isolation whitelist.
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 52 lists the related **domain-zone-wlan-qos-map** configuration commands.

TABLE 57 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 58 lists the related **domain-zone-wlan-group** configuration commands.

.

TABLE 58 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.

TABLE 58 Commands related to ruckus(config-domain-zone-wlan-group). (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 59 lists the related **domain-zone-wlan-scheduler** configuration commands.

.

TABLE 59 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*] | *${weekday}*	Disables the commands.
ruckus(config-domain-zone-wlan-scheduler)# schedule-data Type: Privileged	[*weekday* |*empty*] [*start time value* | *empty*] [*end time value*] *${weekday}*	Sets the schedule table.

dp-group

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

ruckus(config)# dp-mac-group *dp1-mac*, *dp2-mac*

Syntax Description

This command uses the following syntax:

dp-mac-group
> Data plane groups defined as DP MAC addresses in a group. For example, 3 data plane groups are configured as *dp1-mac*, *dp2-mac*, *dp3-mac*

Default

This command has no default settings.

Command Mode

Config

Example

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

Configuration Commands (e - r)

eap-aka

To create the EAP-AKA configuration, use the following command:

ruckus(config)# eap-aka

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

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

Related Commands

The Table 60 lists the related eap-aka configuration commands.

TABLE 60 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.
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)# fast-reauth		Enables re-authentication support.

TABLE 60 Commands related to ruckus(config-eap-aka) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-eap-aka)# help Type: Privileged		Displays the help.
ruckus(config-eap-aka)# max-reauth Type: Privileged	*name*	Sets the maximum successive re-authentication..
ruckus(config-eap-aka)# no Type: Privileged	*cache-cleanup* *fast-reauth* *secret* *user-id-privacy*	Disable cache cleanup or fast-re-authentication or EAP-AKA secret key or user identity privacy support.
ruckus(config-eap-sim)# reauth-realm Type: Privileged	*<re-auth-realm>*	Sets the re-authentication realm.
ruckus(config-eap-aka)# secret Type: Privileged	*secret-key*	Adds the EAP-AKA secret key .
ruckus(config-eap-aka)# user-id-privacy Type: Privileged		Enables the user identity privacy support.

eap-sim

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

ruckus(config)# eap-sim

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

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

Related Commands

The lists the related eap-sim configuration commands.

TABLE 61 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 cache cleanup setting.
ruckus(config-eap-sim)# cache-cleanup-time Type: Privileged	*<hours>* <minutes>	Sets the cache cleanup setting.
ruckus(config-eap-sim)# cache-history-len Type: Privileged	*<history-length>*	Sets the cache history length.
ruckus(config-eap-sim)# do Type: Privileged		Executes the do command.
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)# fast-reauth		Enables re-authentication support.

TABLE 61 Commands related to ruckus(config-eap-sim) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-eap-sim)# help Type: Privileged		Displays the help.
ruckus(config-eap-sim)# max-reauth Type: Privileged	*name*	Sets the maximum successive re-authentication.
ruckus(config-eap-sim)# no Type: Privileged	*cache-cleanup* *fast-reauth* *secret* *user-id-privacy*	Disable cache cleanup or fast-re-authentication or EAP-AKA secret key or user identity privacy support.
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 the EAP-AKA secret key .
ruckus(config-eap-sim)# user-id-privacy Type: Privileged		Enables the user identity 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
```

encrypt-zone-name

To enable AP Zone name encryption for WISPr enriched URL, use the following command.

ruckus(config)# encrypt-zone-name

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# encrypt-zone-name
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 62 lists the related **event** configuration commands.

TABLE 62 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.
ruckus(config-event)# no Type: Privileged	**db-persistence** **email**	Disables various options.

TABLE 62 Commands related to ruckus(config-event) (continued)

Syntax and Type	Parameters (if any)	Description
	snmp-trap	
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
Informational
  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
Informational
  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 uses the following syntax:

eventCode
Single configuration event notification

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 uses the following syntax:

eventCode
Single configuration event notification

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 uses the following syntax:

eventCode
>Single configuration event notification

Command Mode

Config

Example

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

Related Commands

Table 63 lists the related **event-email** configuration commands.

TABLE 63 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 uses the following syntax:

threshold
　　　　Single threshold event notification

Command Mode

Config

Example

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

Related Commands

Table 63 on page 147 lists the related **event-threshold** configuration commands.

TABLE 64 Commands related to ruckus(config-event-threshold)

Syntax and Type	Parameters (if any)	Description
ruckus(config-event-threshold)# criterion-unit Type: Privileged		Sets the trigger criterion unit.
ruckus(config-event-threshold)# criterion-value Type: Privileged	*value*	Sets the trigger criterion value. Value should be between 1000 and 999999.
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
```

flexiVpn

To create or update flexi vpn roaming profile configuration, use the following command.

To create or update flexi vpn roaming profile configuration, use the following

> **NOTE**
> This command is applicable to vSZ-H.

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# flexiVpn
ruckus (config-flexiVpn)
```

Related Commands

The following table lists the related flexiVpn commands.

TABLE 65 Commands related to ruckus(config-flexiVpn)#)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-flexiVpn)# do Type: Privileged		Executes the do command.
ruckus(config-flexiVpn)# enable Type: Privileged		Enables flexi vpn global settings.
ruckus(config-flexiVpn)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-flexiVpn)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-flexiVpn)# help Type: Privileged		Disables the flexi vpn settings.
ruckus(config-flexiVpn)# no Type: Privileged	*enable*	Disables the flexi vpn settings.

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 uses the following syntax:

name
> Name of FTP server.

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 66 lists the related **ftp-server** commands.

TABLE 66 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		Displays the help.

TABLE 66 Commands related to ruckus(config-ftp-server) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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

The lists the related gateway-advance configuration commands.

TABLE 67 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 returns to privileged EXEC mode.
ruckus(config-gateway-advance)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-gateway-advance)# gtp-nsapi Type: Privileged	*number*	Defines the number of GTP network service access point identifiers.
ruckus(config-gateway-advance)# gtpv2-interface-type Type: Privileged	*S2a* *S5_S8*	Sets the GTPV2 interface type.

TABLE 67 Commands related to ruckus(config-gateway-advance) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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*	Disable the commands.
ruckus(config-gateway-advance)# scg-rai-in-gtpv2-msg Type: Privileged		Include 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

The Table 68lists the related ggsn-service-apn configuration commands.

TABLE 68 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
ruckus(config-hlr-mnc-ndc)#
```

Related Commands

The Table 69lists the related hlr-mnc-ndc configuration commands.

TABLE 69 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.
ruckus(config-hlr-mnc-ndc)# ndc Type: Privileged	*ndc*	Sets the network destination code.

hlr-service

To create or update the HLR service 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
ruckus(config-hlr-service)#
```

Related Commands

- The Table 70 lists the related hlr-service configuration commands.
- The Table 71lists the related hlr-service-sccp-gtt configuration commands.
- The Table 72list the related hlr-service-sctp configuration commands.

TABLE 70 Commands related to ruckus(config-hlr-service)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service)# auth-caching Type: Privileged		Enable authorization caching.
ruckus(config-hlr-service)# auth-map-version Type: Privileged	*version2* *version3*	Sets the authorization MAP version to either version two or three.
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	*dottetd*	Sets the default point code format.

TABLE 70 Commands related to ruckus(config-hlr-service) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged	*integer*	
ruckus(config-hlr-service)# description Type: Privileged	*text*	Sets the description.
ruckus(config-hlr-service)# dest-gt-indicator Type: Privileged	*1* *2*	Sets the destination global title indicator to: • 1 - Global title Includes translation type only • 2 - Global title includes translation type, numbering plan, encoding scheme and nature of address indicator
ruckus(config-hlr-service)# dest-nature-addr-indicator Type: Privileged	*1* *2* *3* *4* *5*	Sets the destination nature address indicator. • 1 - Unknown • 2 - Subscriber number • 3 - Reserved for national use • 4 - National significant number • 5 - International number
ruckus(config-hlr-service)# dest-numbering-plan Type: Privileged	*1* *2*	Set the destination numbering plan to: • 1 - ISDN Mobile Numbering Plan(Recommendations E.214) • 2 - ISDN/telephony Numbering Plan(Recommendations E.164)
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	*2* *3*	Sets the map version to two or three.
ruckus(config-hlr-service)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
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 name.
ruckus(config-hlr-service)# gt-point-code Type: Privileged	*point-code*	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*	Sets the local point code.

TABLE 70 Commands related to ruckus(config-hlr-service) (continued)

Syntax and Type	Parameters (if any)	Description
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* *sctp* *source-has-point-code*	• Disables authorization caching • Disables AV caching • Deletes SCCP GTT • Deletes SCTP association to the core network • Disables source has point code
ruckus(config-hlr-service)# routing-context Type: Privileged	*routing-context*	Sets the routing context.
ruckus(config-hlr-service)# sccp-gtt Type: Privileged	*gt-digits*	Creates or updates the SCCP GTT table configuration.
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-addr*	Sets the SGSN ISDN address.
ruckus(config-hlr-service)# source-gt-indicator Type: Privileged	*1* *2*	Sets the source GT indicator to: • 1 - Global title includes translation type only • 2 - Global title includes translation type, numbering plan, encoding scheme and nature of address indicator
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	*1* *2* *3* *4* *5*	Sets the source nature address of indicator to: • 1: Unknown • 2: Subscriber Number • 3: Reserved for National Use • 4: National Significant Number • 5:International Number
ruckus(config-hlr-service)# source-numbering-plan Type: Privileged	*1* *2*	Set the source numbering plan to: • 1 - ISDN Mobile Numbering Plan(Recommendations E.214) • 2 - ISDN/telephony Numbering Plan(Recommendations E.164)
ruckus(config-hlr-service)# source-translation-type Type: Privileged	*type*	Sets the source translation type.

TABLE 71 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	*1* *2*	Sets the address indicator to: • 1: Route on GT • 2: Route on SSN
ruckus(config-hlr-service-sccp-gtt)# do Type: Privileged		Executes the do command.
ruckus(config-hlr-service-sccp-gtt)# e164-address Type: Privileged	*e164-address*	Sets the address as per recommendations E. 164.
ruckus(config-hlr-service-sccp-gtt)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-hlr-service-sccp-gtt)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-hlr-service-sccp-gtt)# gt-digits Type: Privileged	*digits*	Sets the GT digits.
ruckus(config-hlr-service-sccp-gtt)# gt-indicator Type: Privileged	*1* *2*	Sets the source GT indicator to: • 1 - Global title includes translation type only • 2 - Global title includes translation type, numbering plan, encoding scheme and nature of address indicator
ruckus(config-hlr-service-sccp-gtt)# has-point-code Type: Privileged		Enables the HAS point code.
ruckus(config-hlr-service-sccp-gtt)# has-ssn Type: Privileged		Enables HAS upstream or downstream SSN
ruckus(config-hlr-service-sccp-gtt)# help Type: Privileged		Displays the help.
ruckus(config-hlr-service-sccp-gtt)# nature-addr-indicator Type: Privileged	*1* *2* *3* *4* *5*	Sets the destination nature address of indicator to: • 1: Unknown • 2: Subscriber Number • 3: Reserved for National Use • 4: National Significant Number • 5:International Number
ruckus(config-hlr-service-sccp-gtt)# no Type: Privileged	*has-point-code* *has-ssn*	• Disable HAS point code • Disable HAS SSN
ruckus(config-hlr-service-sccp-gtt)# numbering-plan Type: Privileged	*1* *2*	Set the numbering plan to: • 1 - ISDN Mobile Numbering Plan(Recommendations E.214) • 2 - ISDN/telephony Numbering Plan(Recommendations E.164)
ruckus(config-hlr-service)# point-code Type: Privileged		Enables the point code.

TABLE 71 Commands related to ruckus(config-hlr-service-sccp-gtt) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-hlr-service-sccp-gtt)# translation-type Type: Privileged	*type*	Sets the translation type.

TABLE 72 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*	Sets the adjacent point code.
ruckus(config-hlr-service-sctp)# dest-ip Type: Privileged	*ip*	Sets the destination IP address.
ruckus(config-hlr-service-sctp)# dest-port Type: Privileged	*pot*	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 returns 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 update 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
ruckus(config-hlr-system-wide)#
```

Related Commands

The Table 73 lists the related hlr-system-wide configuration commands.

TABLE 73 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	*1* *3*	Sets the local network indicator to: • 1: International • 3: National

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 74 lists the related **hotspot-profile** configuration commands.

TABLE 74 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.

TABLE 74 Commands related to ruckus(config-hotspot-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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.
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.

TABLE 74 Commands related to ruckus(config-hotspot-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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.

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 75 lists the related **identity-provider** configuration commands.
- Table 76 lists the related **identity-provider-acct-profile** configuration commands.
- Table 77 lists the related **identity-provider-acct-profile-realm** configuration commands.
- Table 78 lists the related **identity-provider-auth-profile** configuration commands
- Table 79 lists the related **identity-provider-auth-profile-realm** configuration commands.
- Table 80 lists the related **identity-provider-osu-enable** configuration commands.
- Table 81 lists the related **identity-provider-realms** configuration commands.
- Table 82 lists the related **identity-provider-realms-eaps** configuration commands.
- Table 83 lists the related **identity-provider-realms-eaps-auth** configuration commands

Table 75 lists the related **identity-provider** configuration commands.

TABLE 75 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.

TABLE 75 Commands related to ruckus(config-identity-provider) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 76 lists the related **identity-provider-acct-profile** configuration commands.

TABLE 76 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		Executes the do command.

TABLE 76 Commands related to ruckus(config-identity-provider-acct-profile) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 77 lists the related **identity-provider-acct-profile-realm** configuration commands.

TABLE 77 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 78 lists the related **identity-provider-auth-profile** configuration commands.

TABLE 78 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.
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.

TABLE 78 Commands related to ruckus(config-identity-provider-auth-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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 79 lists the related **identity-provider-auth-profile-realm** configuration commands.

TABLE 79 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 80 lists the related **identity-provider-osu-enable** configuration commands.

TABLE 80 Commands related to ruckus(config-identity-provider-osu-enable)

Syntax and Type	Parameters (if any)	Description
ruckus(config-identity-provider-osu-enable)# common-icon	*ftp-url*	Sets the common language icon.

TABLE 80 Commands related to ruckus(config-identity-provider-osu-enable) (continued)

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

TABLE 80 Commands related to ruckus(config-identity-provider-osu-enable) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 81 lists the related **identity-provider-realms** configuration commands.

TABLE 81 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 81 Commands related to ruckus(config-identity-provider-realms) (continued)

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 82 lists the related **identity-provider-realms-eaps** configuration commands.

TABLE 82 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.
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	Sets the EAP method.

TABLE 82 Commands related to ruckus(config-identity-provider-realms-eaps) (continued)

Syntax and Type	Parameters (if any)	Description
	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)	
ruckus(config-identity-provider-realms-eaps)# no Type: Privileged	**auth**	Disables the command.

Table 83 lists the related **identity-provider-realms-eaps-auth** configuration commands.

TABLE 83 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 *name*

ruckus(config)# interface control

ruckus(config)# interface management

ruckus(config)# interface user-defined *name*

Syntax Description

This command uses the following syntax:

cluster*name*

> **cluster**
>> Sets the cluster interface
>
> *name*
>> Name of the cluster

control
> Sets the interface control configuration

management
> Sets the management interface configuration

user-defined
> Sets the user defined interface configuration

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

user-defined*name*

> **user-defined**
>> Sets the user defined interface configuration
>
> *name*
>> User defined interface name.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# interface management
ruckus(config-if)# data-plane
```

Related Commands

- Table 84 lists the related **interface** configuration commands.
- Table 84 lists the related **interface-user-defined** configuration commands.

  Table 86lists the related interface-management configuration commands

The following command lists the related **interface** configuration commands.

TABLE 84 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: 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.
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*	Sets the IP address.

TABLE 84 Commands related to ruckus(config-interface) (continued)

Syntax and Type	Parameters (if any)	Description
	ipv6-address: Sets IPv6 address of interface *ip*: Static IPv6 address *gateway*: Gateway	
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.

The following command lists the related **interface-user-defined** configuration commands.

TABLE 85 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.

The following table lists the related interface-management configuration commands.

TABLE 86 Commands related to ruckus(config-interface-user-defined)

Syntax and Type	Parameters (if any)	Description
ruckus(config-interface)# data-plane Type: Privileged	*name*	Updates the dataplane configuration.

TABLE 86 Commands related to ruckus(config-interface-user-defined) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-if)# do Type: Privileged		Executes the do command.
ruckus(config-if)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-if)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-if)# help Type: Privileged		Displays the help.
ruckus(config-if)# ip Type: Privileged	**address**: Sets IP address of interface **ipv6-address**: Sets the IPv6 address with prefix lengths of interface	Sets the IP address for the management interface.
ruckus(config-if)# no Type: Privileged	*vlan-id*	Disables this command.

ip control-nat

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

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

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 *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

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-ipv6 *ip ip interface metric*

Syntax Description

This command uses the following syntax:

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

The following table lists the related **ipsec-profile** configuration commands

TABLE 87 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)# cara-server Type: Privileged		Sets Certificate Management Protocol CA/RA address.
ruckus(config-ipsec-profile)# cara-server-path Type: Privileged		Sets Certificate Management Protocol Server path.
ruckus(config-ipsec-profile)# cara-subject-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
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

TABLE 87 Commands related to ruckus(config-ipsec-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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.
rruckus(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
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**] **3des**: 3DES **aes256**: AES256 **aes192**: AES192 **aes128**: AES128 **md5**: MD5 **sha512**: SHA512 **sha384**: SHA384 **sha1**: SHA1 **sha256**: SHA256 **aesxcbc**: AES-XCBC **modp8192**:MODP8192 **modp6144**:MODP6144 **modp1024**:MODP1024 **none**: None **modp3072**2:MODP3072 **modp2048**:MODP2048 **modp1536**:MODP1536 **modp768**: MODP768 **modp4096**:MODP4096	Add ESP proposal
ruckus(config-ipsec-profile)# esp-rekeytime Type: Privileged		Sets the ESP Rekey time.
ruckus(config-ipsec-profile)# esp-type Type: Privileged		Set ESP Proposal Type

TABLE 87 Commands related to ruckus(config-ipsec-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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.
ruckus(config-ipsec-profile)# ike-proposal Type: Privileged	[**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**] **3des**: 3DES **aes256**: AES256 **aes192**: AES192 **aes128**: AES128 **sha1**: SHA1 **md5**: MD5 **aesxcbc**: AES-XCBC **sha512**: SHA512 **sha384**: SHA384 **sha256**: SHA256 **prfsha1**: PRF-SHA1 **prfmd5**: PRF-MD5 **prfsha256**: PRF-SHA256 **prfaescmac**: PRF-AES-CMAC **prfaesxcbc**: PRF-AES-XCBC **prfsha384**: PRF-SHA384	Adds IKE proposal

TABLE 87 Commands related to ruckus(config-ipsec-profile) (continued)

Syntax and Type	Parameters (if any)	Description
	prfsha512: PRF-SHA512 contd...	
	use-integrity-alg: Use integrity ALG **modp1024**: MODP1024 **modp8192**: MODP8192 **modp6144**: MODP6144 **modp768**: MODP768	
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.
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	*value*: Retry limit time (1 - 16)	Sets the Retry limit.

TABLE 87 Commands related to ruckus(config-ipsec-profile) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-ipsec-profile)# security-gateway Type: Privileged	*address*: Security gateway	Sets the Security gateway.

l2ogre-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

The following table lists the related **l2ogre-profile** configuration commands

TABLE 88 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.

TABLE 88 Commands related to ruckus(config-l2ogre-profile). (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-l2ogre-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-l2ogre-profile)# help Type: Privileged		Displays the help.
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.

The following table lists the related **l2ogre-profile-dhcp-option82** configuration commands.

TABLE 89 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.

TABLE 89 Commands related to ruckus(config-l2ogre-profile-dhcp-option82) configuration (continued)

Syntax and Type	Parameters (if any)	Description
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)# subtopt1 Type: Privileged	[**ap-info** | **ap-essid** | **ap-mac**]	Enables subopt-1
ruckus(config-l2ogre-profile-dhcp-option82)# subtopt150 Type: Privileged		Enables subopt-150
ruckus(config-l2ogre-profile-dhcp-option82)# subtopt151 Type: Privileged	**essid** **area-name** *name*	Enables subopt-151
ruckus(config-l2ogre-profile-dhcp-option82)# subtopt2 Type: Privileged	[**ap-essid** | **ue-essid** | **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 *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)# lbs-service name
ruckus(config-lbs-service)#
```

Related Commands

The following table lists the related **lbs-service** configuration command.

TABLE 90 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.

TABLE 90 Commands related to ruckus(config-lbs-service). (continued)

Syntax and Type	Parameters (if any)	Description
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 91 lists the related **ldap-service** configuration command

.

TABLE 91 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=com	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.
ruckus(config-ldap-service)# description Type: Privileged	*text*	Sets the description.
ruckus(config-ldap-service)# do		Sets the do command.

TABLE 91 Commands related to ruckus(config-ldap-service) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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	*usernamepassword*	Test AAA Server

license cloud

To enable the Cloud License Server, use the following command.

ruckus(config)# license cloud enable

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 92 lists the related **localdb-service** configuration command.

TABLE 92 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.
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.FixedWindowRollingPolicy@167a3a6 - Will use gz
compression
07:04:20,951 |-INFO in ch.qos.logback.core.rolling.RollingFileAppender[FILE] - Active log file
name: /opt/ruckuswireless/wsg/log/monitor/monitor.log
07:04:20,952 |-INFO in ch.qos.logback.core.rolling.RollingFileAppender[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

The following table lists the related **lwapp2scg** configuration command.

TABLE 93 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.
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.

TABLE 93 Commands related to ruckus(config-lwapp2scg). (continued)

Syntax and Type	Parameters (if any)	Description
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.
ruckus(config-lwapp2scg)# policy Type: Privileged	**accept** Accept by ACL AP list **accept-all** Accept all **deny** Deny by ACL AP list **deny-all** Deny all	Sets the ACL policy. Use the **accept** option to uprade individual APs as required by MAC address or serial number. Use the **accept-all** option to uprade 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 **deny** option to exclude specific APs from being upgraded to SCG by MAC address or serial number. Use the **deny-all** 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 94 lists the related **mgmt-acl** server configuration commands.
- Table 95 lists the related **mgmt-acl-rule** configuration commands.

The following table lists the related mgmt-acl server configuration commands.

TABLE 94 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.
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.

The following table lists the related **mgmt-acl-rule** configuration commands.

TABLE 95 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.
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 96 lists the related **mvno** configuration commands.
- Table 97 lists the related **mvno-admin** configuration commands.
- Table 98 lists the related **mvno admin radius** configuration commands.

The following table lists the related **mvno** configuration commands.

TABLE 96 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	*text*	Sets the description.

TABLE 96 Commands related to ruckus(config-mvno) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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.

The following table lists the related **mvno-admin** configuration commands.

TABLE 97 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.
ruckus(config-mvno-admin)# name	*name*	Sets the account name.

TABLE 97 Commands related to ruckus(config-mvno-admin) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.

The following table lists the related **mvno-admin-radius** configuration commands.

TABLE 98 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-prilnvl** *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.
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

TABLE 98 Commands related to ruckus(config-mvno-admin-radius) (continued)

Syntax and Type	Parameters (if any)	Description
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.

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
```

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-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 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 calea-mac

To delete all Calea MAC server configuration, use the following command.

ruckus(config)# no calea-mac*mac*

Syntax Description

This command uses the following syntax:

mac
MAC address

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no calea-mac
```

Deletes all Calea MAC server configuration.

no calea-server-ip

To delete all Calea MAC server IP address configuration, use the following command.

ruckus(config)# no calea-server-ip

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no calea-server-ip
Do you want to continue to delete (or input 'no' to cancel)?
[yes/no]
```

no cert-store

To delete all OSU (Online SignUp) portal profile configuration, use the following command.

ruckus(config)# no cert-store cert *name*

ruckus(config)# no csr 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 disable (or input 'no' to cancel)? [yes/no]
```

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

ms-isdn

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 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

    Domain name

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no domain indus5-d
```

no dns-server-service

To disable the DNS server service, use the following command.

ruckus(config)# no dns-server-service *name*

Syntax Description

This command uses the following syntax:

name
DNS server service name

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no dns-server-service SN1
```

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 encrypt-zone-name

To disable the AP Zone name encryption for WISPr enriched URL, use the following command.

ruckus(config)# no encrypt-zone-name

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no encrypt-zone-name
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 event.

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 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 hpsp12
```

no identity-provider

To delete all identity provider profile, use the following command.

ruckus(config)# no identity-provider *identity-provider-$name*

Syntax Description

This command uses the following syntax:

identity-provider-$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 *ip-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-dest-network network-mask next-hop-ip interface*

> route
>> Deletes static routes

> *ip-dest-network*
>> Destination network IP address

> *network-mask*
>> Destination network mask

> *next-hop-ip*
>> Next hop IP address

> *interface*
>> Interface

route-ipv6 *ipv6-dest-network next-hop-ipv6 interface*

> route-ipv6
>> Delete IPv6 static routes

> *ipv6-dest-network*
>> Destination network IPv6 address

> *next-hop-ipv6*
>> 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 lbs-service

To delete the location based service (LBS) 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 logon 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 operator-profile

To disable all WiFi operator profile settings, use the following command.

ruckus(config)# no operator-profile *operator-profile-$name*

Syntax Description

This command uses the following syntax:

operator-profile-$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*

Syntax Description

This command uses the following syntax:

osu-portal-profile-$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 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-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 sci-profile

To delete the SCI profile, use the following command.

ruckus(config)# no sci-profile *name*

Syntax Description

This command uses the following syntax:

name
Name of the SCI profile to be deleted

enter
Deletes all the SCI profile

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no sci-profile profile35
```

no snmp-notification

To disable SNMP notification, use the following command.

ruckus(config)# no snmp-notification

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no snmp-notification
Do you want to continue to disable (or input 'no' to cancel)? [yes/no]
```

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 ruckus-ttg
```

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 vlan-pooling

To delete VLAN pooling profile, use the following command.

ruckus(config)# no vlan-pooling

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 vlan-pooling
Do you want to continue to delete (or input 'no' to cancel)? [
```

no zone

To delete all AP zones, expect 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*
>   AP zone name

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no zone induszd3
```

no zone-affinity

To delete vSZ-D zone affinity profiles, use the following command.

ruckus(config)# no zone-affinity*name*

Syntax Description

This command uses the following syntax:

name
Profile name of the vSZ-D zone affinity

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# no zone-affinity
```

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 99 lists the related **node-affinity-configuration** commands.
- Table 100 lists the related **node-affinity-configuration-profile** commands.

The following table lists the related **node-affinity-configuration** commands.

TABLE 99 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.
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.

TABLE 99 Commands related to ruckus(config-node-affinity-config) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-node-affinity-config)# retry Type: Privileged	*value*	Sets the number of retries between 1 to 10.

The following table lists the related **node-affinity-configuration-profile** commands.

TABLE 100 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.
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
```

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

The following table lists the related **config-operator-profile** configuration commands.

TABLE 101 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.
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		Displays the help.

TABLE 101 Commands related ruckus(config-operator-profile) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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

The following table lists the related **config-osu-portal-profile** configuration commands.

TABLE 102 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.

TABLE 102 Commands related ruckus(config-osu-portal-profile) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-osu-portal-profile)# name Type: Privileged	*name*	Sets the portal name.
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

The following table lists the related **outbound-firewall** configuration commands.

TABLE 103 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.
ruckus(config-outbound-firewall)# ip-rule Type: Privileged	*profileName* **out** [**udp** | **sctp** | **tcp**] [**dport**| **sport**] *port* *profileName*: profile name **out**: Output traffic **udp**: UDP **sctp**: SCTP **tcp**: TCP **dport**: Destination port **sport**: Source port *port*: port *profileName* **out** [**udp** | **sctp** | **tcp**] [**dport**| **sport**] *port* [**src** | **dst**] *ipaddress* *profileName*: profile name **out**: Output traffic	Allow IPtables profile.

TABLE 103 Commands related to ruckus (config-outbound-firewall). (continued)

Syntax and Type	Parameters (if any)	Description
	udp: UDP	
	sctp: SCTP	
	tcp: TCP	
	sport: Source port	
	dport: Destination port	
	port: port	
	src: Source	
	dst: Destination	
	ipaddress: IP address	
ruckus(config-outbound-firewall)# no Type: Privileged	*ip-rule profileName*	Remove IP rule

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

The following table lists the related **radius-service** configuration commands.

TABLE 104 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.
ruckus(config-radius-service)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
ruckus(config-radius-service)# exit		Exits from the EXEC.

TABLE 104 Commands related to ruckus(config-radius-service). (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-radius-service)# friendly-name Type: Privileged	*friendly-name*	Sets the RADIUS server friendly name.
ruckus(config-radius-service)# group-attrs 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 and proxy AAA Radius server. IP address can be IPv4 or IPv6. From this release proxy AAA server supports IPv6. The proxy AAA server allows either IPv4 or IPv6 as primary or secondary IP addresses. Note: IPv4 and IPv6 in one proxy AAA Radius server is not allowed.
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-attrs** **no-response-fail** **out-of-band**	Disables various options.
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 bank 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	*minutes*	Sets the reconnect time to the primary RADIUS server.

TABLE 104 Commands related to ruckus(config-radius-service). (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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 105 lists the related **report** configuration command.

TABLE 105 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.

TABLE 105 Commands related to ruckus(config-report) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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.
ruckus(config-report)# time-filter Type: Privileged	**monthly months** *months* **daily days** *days* **hourly days** *days* hourly hours **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**	Sets the report type.

TABLE 105 Commands related to ruckus(config-report) (continued)

Syntax and Type	Parameters (if any)	Description
	continuously-disconnected-aps	
	failed-client-associations	
	new-client-associations	
	system-resource-utilization	
	tx-rx-bytes	

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 106 lists the **related rks-gre** configuration command.

TABLE 106 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	**description**	Disables and deletes commands.

TABLE 106 Commands related to ruckus(config-rke-gre) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged	**gateway-mtu** **tunnel-encryption**	
ruckus(config-rks-gre)# tunnel-encryption Type: Privileged		Enables the tunnel encryption.
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

To set 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 107 lists the related **role** configuration commands.

TABLE 107 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.
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.

TABLE 107 Commands related to ruckus(config-role). (continued)

Syntax and Type	Parameters (if any)	Description
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)

sci-profile

To enable SCI profile settings, use the following command.

ruckus(config)# sci-profile

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus(config)# sci-profile
ruckus(config-sci-profile)#
```

Related Commands

The following table lists the related configuration commands.

TABLE 108 Commands related to ruckus(config-sci-profile)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-sci-profile)# host Type: Privileged		Sets the SCI server host.
ruckus(config-sci-profile)# name Type: Privileged		Sets SCI profile name.
ruckus(config-sci-profile)# password Type: Privileged		Sets the password.
ruckus(config-sci-profile)# port Type: Privileged		Sets the SCI server port
ruckus(config-sci-profile)# system-id Type: Privileged		Sets the system ID.
ruckus(config-sci-profile)# user Type: Privileged		Sets the user.
ruckus(config-sci-profile)# enable Type: Privileged		Enables the SCI server.
ruckus(config-sci-profile)# no enable Type: Privileged		Disables the SCI server.
ruckus(config-sci-profile)# delete Type: Privileged		Deletes the SCI server.

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 109 lists the related **sci-setting** configuration commands.

Commands related to ruckus(config-sci-setting)

TABLE 109 config-sci-setting configuration commands

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
ruckus(config-sci-setting)# port		Sets the SCI server port

TABLE 109 config-sci-setting configuration commands (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 110 lists the related **sms-server** configuration commands.

TABLE 110 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.
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 111 lists the related **smtp-server** configuration commands.

TABLE 111 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.

TABLE 111 Commands related to (config-smtp-server) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 TTLS 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-v2-community

To set 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 112 lists the related **snmp-v2-community** configuration commands.

.

TABLE 112 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

TABLE 112 Commands related to ruckus(config-snmp-v2-community) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-snmp-v2-community)# read Type: Privileged		Enables read privileges
ruckus(config-snmp-v2-community)# trap Type: Privileged		Enables trap privileges
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

To set 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 113 lists the related **config-snmp-v3-user** configuration commands.

TABLE 113 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	Disables various options

TABLE 113 Commands related to ruckus(config-snmp-v3-user) (continued)

Syntax and Type	Parameters (if any)	Description
	trap-target *ip port*: Deletes trap target IP address and port **write**: Disables write privilege	
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
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 114 lists the related **config-soft-gre** configuration commands.

TABLE 114 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		Force disassociates the client.

TABLE 114 Commands related to ruckus(config-soft-gre) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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 115 lists the related **config-stats-upload** configuration commands.

TABLE 115 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.
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.

TABLE 115 Commands related to ruckus(config-stats-upload) (continued)

Syntax and Type	Parameters (if any)	Description
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 116 lists the related **subpackages** configuration commands.

.

TABLE 116 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: week: Set Week hour: Set Hour year: Set Year

TABLE 116 Commands related to ruckus (config-subpackages) (continued)

Syntax and Type	Parameters (if any)	Description
		never: Never
		month: Set Month
		day: Set Day
ruckus(config-subpackages)# expiration-value Type: Privileged	*expiration-value*	Sets the expiration value.
ruckus(config-subpackages))# help Type: Privileged		Access the help message.
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 117 lists the related **support-admin** configuration commands.

.

TABLE 117 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.
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 118 lists the relate **syslog-server** configuration commands.

.

TABLE 118 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)# auditfaciility Type: Privileged	[**Local6** | **Local4** | **Local2** | **Local3** | **Local0** | **Local5** | **Local7** | **Local1**]	Remote syslog server to send the audit log files.
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.

TABLE 118 Commands related to ruckus(config-syslog-server) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 119 lists the related **ttg-pdg-profile** configuration commands.
- Table 120 lists the related **ttg-pdg-profile-apn** configuration commands.
- Table 121 lists the related **config-ttg-pdg-profile-dhcp-option82** configuration commands.

Table 119 lists the related **ttg-pdg-profile** configuration commands

TABLE 119 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 119 Commands related to (config-ttg-pdg-profile (continued)

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.
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		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 120 lists the related **ttg-pdg-profile-apn** configuration commands.

TABLE 120 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.
ruckus(config-ttg-pdg-profile-apn)# route-type Type: Privileged	[**pdg** | **gtpv2** | **gtpv1**]	Sets the route type.

Table 121 lists the related **config-ttg-pdg-profile-dhcp-option82** configuration commands.

TABLE 121 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-essid** | **ap-mac**]	Enables subopt-1
ruckus(config-ttg-pdg-profile-dhcp-option82)# subopt150 Type: Privileged		Enables subopt-150
ruckus(config-ttg-pdg-profile-dhcp-option82)# subopt151 Type: Privileged	**essid** **area-name** *name*	Enables subopt-151
ruckus(config-ttg-pdg-profile-dhcp-option82)# subopt2	[**ap-essid** | **ue-essid** | **ue-mac** | **ap-mac**]	Enables subopt-2

TABLE 121 Commands related to ruckus(config-config-ttg-pdg-profile-dhcp-option82) configuration (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		

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 122 lists the related **user-agent-blacklist** configuration commands.

TABLE 122 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.
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	*name*	Sets the user agent name who is blacklisted.

TABLE 122 Commands related to ruckus(config-user-agent-blacklist) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-user-agent-blacklist)# pattern	*pattern*	Sets the user agent pattern
Type: Privileged		

user-group

To create and update the user group configuration, use the following command.

ruckus(config)# user-group *name*

Syntax Description

This command uses the following syntax:

name

Name of the user group

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# user-group UG1
ruckus(config-user-group)# description
```

Related Commands

The following table lists the related user-group configuration commands.

TABLE 123 Commands related to ruckus(config-user-group)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-user-group)# description Type: Privileged	*description*	Sets the description.
ruckus(config-user-group)# do Type: Privileged		Sets the do command.
ruckus(config-user-group)# domain Type: Privileged	*domain*	Sets the domain.
ruckus(config-user-group)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-user-group)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-user-group)# help Type: Privileged		Displays the help.
ruckus(config-user-group)# name Type: Privileged	*name*	Sets the user group name.

TABLE 123 Commands related to ruckus(config-user-group) (continued)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-user-group)# no Type: Privileged	*domain* *resource* *user*	Disables the override on the specified settings.
ruckus(config-user-group)# permission Type: Privileged	*permission*	Sets the permission to the user group.
ruckus(config-user-group)# resource Type: Privileged	*resource*[**modify** |**read**|**full-access**]	Sets the resource.
ruckus(config-user-group)# user Type: Privileged	*user-name*	Sets the user.

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 124 lists the related **user-role** configuration commands.

TABLE 124 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		Displays the help.

TABLE 124 Commands related to ruckus(config-user-role) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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 125 lists the related **user-traffic-profile** configuration commands.
- Table 126 lists the related **user-traffic-profile-acl** configuration commands.

Table 125 lists the related **user-traffic-profile** configuration commands.

TABLE 125 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.
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.

TABLE 125 Commands related to (config-user-traffic-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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 126 lists the related **user-traffic-profile-acl** configuration commands.

TABLE 126 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 126 Commands related to ruckus(config-user-traffic-profile-acl) (continued)

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.

vlan-pooling

rruckus(config)# vlan-pooling *name*

Syntax Description

This command uses the following syntax:

name
Name of the vlan pooling profile

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# vlan-pooling VP1
ruckus(config-vlan-pooling)# description
```

Related Commands

The following table lists the related configuration commands.

TABLE 127 Commands related to ruckus(config-vlan-pooling)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-vlan-pooling)# algo Type: Privileged	*mac-hash*	Sets the algorithm.
ruckus(config-vlan-pooling)# description Type: Privileged	*text*	Sets the description.
ruckus(config-vlan-pooling)# do Type: Privileged		Sets the do command.
ruckus(config-vlan-pooling)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-vlan-pooling)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-vlan-pooling)# help Type: Privileged		Displays the help.
ruckus(config-vlan-pooling)# name Type: Privileged	*name*	Sets the VLAN pooling profile name.
ruckus(config-vlan-pooling)# no	*description*	Disables the settings.

TABLE 127 Commands related to ruckus(config-vlan-pooling) (continued)

Syntax and Type	Parameters (If Any)	Description
Type: Privileged	*pooling*	
ruckus(config-vlan-pooling)# pooling Type: Privileged	**range***start-value**end-value* **single***value*	Adds the VLAN pooling.

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 128 lists the related **zone** configuration commands.
- Table 129 lists the related **zone-aaa** configuration commands.
- Table 130 lists the related **zone-ap-group** configuration commands.
- Table 132 lists the related **zone-ap-group-lldp** configuration commands.
- Table 133 lists the related **zone-ap-group-port-setting** configuration commands.
- Table 134 lists the commands related **zone-ap-model** configuration commands.
- Table 135 lists the related **zone-ap-model-lan1** configuration commands.
- Table 139 lists the related **zone-ap-registration-rule** configuration commands.
- Table 142 lists the related **zone-bonjour-policy** configuration commands.
- Table 143 lists the related **zone-bonjour-policy-rule** configuration commands.
- Table 146 lists the related **zone-device-policy** configuration commands.
- Table 147 lists the related **zone-device-policy-policy** rule configuration commands.
- Table 148 lists the related **zone-diffserv** configuration commands.
- Table 149 lists the related **zone-ethernet-port-profile** configuration commands.
- Table 150 lists the related **zone-guest-access** configuration commands.

- Table 151 lists the related **zone-hotspot** configuration commands.
- Table 152 lists the related **zone-hotspot20-venue-profile** configuration commands.
- Table 153 lists the related **zone-hotspot20-wlan-profile** configuration commands.
- Table 154 lists the related **zone-hotspot20-wlan-profile-cust-connect-capabilities** configuration commands.
- Table 155 lists the related **zone-l2-acl** configuration commands.
- Table 156 lists the related **zone-vlan-pooling** configuration commands.
- Table 157 lists the related **zone-web-authentication** configuration commands.
- Table 159 lists the related **zone-wlan** configuration commands.
- Table 158 lists the related **zone-wechat** configuration commands.
- Table 160 lists the related **zone-wlan-qos-map** configuration commands.
- Table 161 lists the related **zone-wlan-group** configuration commands.
- Table 162 lists the related **zone-wlan-scheduler** configuration commands.

Table 128 lists the related **zone** configuration commands.

TABLE 128 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.
ruckus(config-zone)# ap-ping-latency-interval Type: Privileged	*enable* *disable*	Sets the AP latency detection by enabling or disabling the AP ping.
ruckus(config-zone)# ap-reboot-timeout Type: Privileged	**default-gateway** [*hours and minutes*]	Sets the AP reboot timeout.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
	default-gateway: Sets the default gateway timeout in hours and minutes.	
	control-interface *hours*: Sets the control interface timeout in hours.	
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)# block-client Type: Privileged	*mac*	Sets to block the client by specifying the MAC address.
ruckus(config-zone)# bonjour-fencing Type: Privileged	*name*: Bonjour fencing policy name to apply	Enables bonjour fencing policy.
ruckus(config-zone)# bonjour-fencing-policy Type: Privileged	*name*: Bonjour fencing policy name	Creates or updates the bonjour fencing policy.
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.
ruckus(config-zone)# channel-evaluation-interval Type: Privileged		Sets the channel evaluation interval.
ruckus(config-zone)# channel-range Type: Privileged	**2.4g** [*channels* | **all**] **2.4g**: 2.4 GHz radio [*channels* | **all**]: Channels (ex: 1,2,3,4,5 or all) **5g indoor** [*channels* | **all**] **5g**: 5 GHz radio **indoor**: indoor [*channels* | **all**] : Channels (ex: 36,40,44 or all) **5g outdoor** [*channels* | **all**] **5g**: 5 GHz radio	Sets the channel range.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
	outdoor: outdoor [*channels* | **all**]: Channels (ex: 149,153,161 or all)	
ruckus(config-zone)# channel-select-mode Type: Privileged		Selects the channel.
ruckus(config-zone)# channelfly-mtbc Type: Privileged	**2.4g** *number* **2.4g**: 2.4 GHz radio *number*: MTBC value (Range: 100~1440) **5g** *number* **5g**: 5 GHz radio *number*:MTBC value (Range: 100~1440)	Sets MTBC value of ChannelFly.
ruckus(config-zone)# channelization Type: Privileged	**2.4g** [**20** | **40**] **5g** [**40** | **20**]	Sets the channelization.
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)# dos-protection Type: Privileged	*dosBarringPeriod*: DoS protection period *dosBarringThreshold*: DoS protection threshold	Enables DoS (Denial-of-service) protection.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
	dosBarringCheckPeriod: DoS protection checkperiod	
ruckus(config-zone)# end Type: Privileged		Ends the current configuration session and return to privileged EXEC mode.
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)# gps-altitude Type: Privileged	*altitude* [**floor** | **meters**] **altitude value** **floor** **meters**	Sets the GPS altitude.
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.
ruckus(config-zone)# ipsec-profile Type: Privileged	*profile-name*	Sets the IPsec profile.
ruckus(config-zone)# ipsec-tunnel-profile Type: Privileged	*ipsec-profile-name*	Sets the IPsec Tunnel profile.
ruckus(config-zone)# l2-acl	*name*	Sets the layer 2 access control list.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
ruckus(config-zone)# no Type: Privileged	**aaa** *name* **ap-group** *name* **ap-registration-rule** *priority* **background-scan** *2.4g 5g* **band-balancing** **block-client** **bonjour-fencing** **bonjour-fencing-policy** **bonjour-gateway** **bonjour-policy** **client-admission-control** *2.4g 5g* **client-isolation-whitelist** **channel-select-mode** **client-admission-control** **dfs-channel** **ethernet-port-profile** **usb-software** **wechat**	Disables and deletes command configuration.
ruckus(config-zone)# no	**description**	Disables and deletes command configuration.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged	**device-policy** **diffserv** **gps** **guest-access** **hotspot** *name* **hotspot20-venue-profile** *name* **hotspot20-wlan-profile** *name* **indoor-channel** **ipsec-profile** **l2-acl** **lbs** **load-balancing** **location** **location-additional-info** **mesh** **recovery-ssid-enabled** **roam** **soft-gre-profiles** **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*	
ruckus(config-zone)# node-affinity-profile Type: Privileged	*profile-name*	Sets the node affinity profile
ruckus(config-ap)# protection-mode Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
ruckus(config-zone)# recovery-ssid-enabled Type: Privileged		Enables recovery of SSID broadcast.
ruckus(config-zone)# rks-gre-profile Type: Privileged	**profile-name**	Sets the AP Ruckus GRE tunnel profile.
ruckus(config-zone)# roam	**2.4g**	Sets the smart roam

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged	**5g**	
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.
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 [**disable 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** b*etween 1-10*	Sets the smart monitor interval.
ruckus(config-zone)# smart-roam-disconnect-event Type: Privileged		Enables smart roam disconnect event.
ruckus(config-zone)# soft-gre-profiles Type: Privileged	<profile-name> <profile-name> <profile-name> - Select the first, second and third SoftGRE tunnel profile <profile-name> <profile-name> - Select the first and second SoftGRE tunnel profile <profile-name> - Select the first SoftGRE tunnel profile	Sets AP SoftGRE tunnel profiles
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	*port*	Sets the syslog server port.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 System** [*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.
ruckus(config-zone)# usb-software Type: Privileged	**upload** *ftp-url* **upload**: Upload AP USB Software Package *ftp-url*: AP USB Software Package file, FTP URL Format: ftp://*username*:*password@ip/file-path*	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	*name*	Sets the web authentication.

TABLE 128 Commands related to ruckus(config-zone) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
ruckus(config-zone)# wlan-scheduler Type: Privileged	*name*	Creates or updates the WLAN scheduler configuration.

Table 129 lists the related **zone-aaa** configuration commands.

TABLE 129 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.
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.

TABLE 129 Commands related ruckus(config-zone-aaa) (continued)

Syntax and Type	Parameters (if any)	Description
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)# ip6 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.
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)# test-acct Type: Privileged		Tests the accounting server.
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 130 lists the related **zone-ap-group** configuration commands.

TABLE 130 Commands related to ruckus(config-zone-ap-group)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# ani-ofdm-level Type: Privileged	*ap-model* - AP model name	Sets the AP adaptive noise immunity level for specific AP model.
ruckus(config-zone-ap-group)# ap-snmp-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.

TABLE 130 Commands related to ruckus(config-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# channel-evaluation-interval Type: Privileged	*seconds* : The interval value (Range: 60~3600 secs)	Sets the channel evaluation interval.
ruckus(config-zone-ap-group)# channel-range Type: Privileged	**2.4g** [*channels* | **all**]: 2.4g: 2.4 GHz radio [*channels* | **all**] : Channels (ex: 1,2,3,4,5 or all) **5g indoor** [*channels* | **all**] **5g**: 5 GHz radio **indoor**: indoor [*channels* | **all**] : Channels (ex: 36,40,44 or all) **5g outoor** [*channels* | **all**] **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	**2.4g** *number* **2.4g**: 2.4 GHz radio *number*:MTBC value (Range: 100~1440) **5g** *number* **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.
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.
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)	Enables the client admission control.

TABLE 130 Commands related to ruckus(config-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
	5g maxRadioLoad *maxRadioLoad*: Max Radio Load (Default: 75%)	
	5g minClientThroughput *minClientThroughput*:Min Client Throughput (Default: 0.0Mbps)	
ruckus(config-zone-ap-group)# description Type: Privileged	*text*	Sets the description.
ruckus(config-zone-ap-group)# do Type: Privileged		Executes the do command.
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)# gps-altitude Type: Privileged	*altitude* [floor | meters]	Sets the GPS altitude.
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.
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		Sets the location.

TABLE 130 Commands related to ruckus(config-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
ruckus(config-zone-ap-group)# no Type: Privileged	**ani-ofdm-level** **channel 2.4g** **channel 5g indoor** **channel 5g outdoor** **channel-evaluation-interval** **channel-range** **channel-select-mode** **client-admission-control** **channelization 2.4g** **channelization 5g** **description** **external-antenna** *ap-model* **5g** **external-antenna** *ap-model* **2.4g** **gps** **internal heater** **lbs** **led-mode** **lldp** **location** **location-additional-info**	Disables / deletes the configuration settings.
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** **override-venue-code**	Disables / deletes the configuration settings.

TABLE 130 Commands related to ruckus(config-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
	poe-operating-mode **poe-out** **port-setting** **protection-mode <2.4g>** **radio-band** **recovery-ssid** **status-leds** **tx-power 2.4g** **tx-power 5g** **usb-port** **usb-software** **venue-profile** **wlan-group 2.4g** **wlan-group 5g**	
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.
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.

TABLE 130 Commands related to ruckus(config-zone-ap-group) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group)# port-setting Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
ruckus(config-zone-ap-group)# protection-mode Type: Privileged	2.4g ${value}	Overrides the protection mode on 2.4 GHz radio
ruckus(config-zone-ap-group)# radio-band Type: Privileged	*ap-model* [**2.4g** | **5g**]	Switches the radio band for a specific AP model.
ruckus(config-zone-ap-group)# recovery-ssid Type: Privileged	*enable* *disable*	Enable or disable recovery of SSID broadcast.
ruckus(config-zone-ap-group)# secondary-channel Type: Privileged	**5g indoor** [*secondary channel*] **5g outdoor** [*secondary channel*]	Sets the secondary channel.
ruckus(config-zone-ap-group)# status-leds Type: Privileged	*ap-model* [**enable** | **disable**]	Sets the status LED for specific AP model.
ruckus(config-zone-ap-group)# tx-power Type: Privileged	**2.4g** *${value}* **5g** *${value}*	Sets the TX power adjustment.
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-code Type: Privileged		Sets the venue code.
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 131 lists the related **zone-ap-group-lldp** configuration commands.

TABLE 131 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	*seconds*	Sets the LLDP advertise interval in seconds from the range 1 to 300.

TABLE 131 Commands related to ruckus(config-zone-ap-group-lldp configuration) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 132 lists the related **zone-ap-group-ap-snmp-options** configuration commands.

TABLE 132 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	**ap-snmp** **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 133 lists the related **zone-ap-group-port-setting** configuration commands.

TABLE 133 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.

TABLE 133 Commands related to ruckus(config-zone-ap-group-port-setting) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-group-port-setting)# help Type: Privileged		Displays the help.
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	**lan** *port*	Disables or deletes the configuration settings.

Table 134 lists the commands related zone-ap-model configuration commands.

TABLE 134 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.
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.

TABLE 134 Commands related to ruckus(config-zone-ap-model) configuration commands (continued)

Syntax and Type	Parameters (if any)	Description
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.
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.
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 135 lists the related **zone-ap-model-lan1** configuration commands.

TABLE 135 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)# no Type: Privileged	**overwrite**	Disables or deletes the settings that have been configured.
ruckus(config-zone-ap-model-lan1)# overwrite Type: Privileged		Enables overwrite of VLAN setting.
ruckus(config-zone-ap-model-lan1)# profile Type: Privileged	*profile*:: Ethernet port profile	Sets the Ethernet port profile.
ruckus(config-zone-ap-model-lan1)# vlan-untag-id Type: Privileged	*vlan-untag-id*	Sets the VLAN untag ID.
ruckus(config-zone-ap-model-lan1)# vlan-members Type: Privileged	*members*	Sets the VLAN members.

Table 136 lists the related zone-ap-registration-rule configuration commands.

TABLE 136 Commands related to ruckus(config-zone-ap-registration-rule)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-zone-ap-registration-rule)# description Type: Privileged	*text*	Sets the description.
ruckus(config-zone-ap-registration-rule)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-registration-rule)# end		Ends the current configuration session and returns to privileged EXEC mode.

TABLE 136 Commands related to ruckus(config-zone-ap-registration-rule) (continued)

Syntax and Type	Parameters (If Any)	Description
Type: Privileged		
ruckus(config-zone-ap-registration-rule)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-registration-rule)# gps Type: Privileged	*latitude longitude distance*	Sets the GPS coordinates.
ruckus(config-zone-ap-registration-rule)# help Type: Privileged		Displays the help.
ruckus(config-zone-ap-registration-rule)# ip-range Type: Privileged	*ipip*	Sets the IP address range from and to IP address.
ruckus(config-zone-ap-registration-rule)# provision-tag Type: Privileged	*tag*	Sets the provision tags.
ruckus(config-zone-ap-registration-rule)# subnet Type: Privileged	*ipmask*	Sets the subnet IP address and subnet mask.
ruckus(config-zone-ap-registration-rule)# type Type: Privileged	[**gps** | **provision-tag** | **ip-range** | **subnet**]	Sets the rule type.

lists the related **zone-ap-snmp-options** configuration commands.

TABLE 137 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)# do Type: Privileged		Executes the do command.
ruckus(config-zone-ap-snmp-options)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-ap-snmp-options)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-ap-snmp-options)# help Type: Privileged		Displays the help.
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.

TABLE 137 Commands related to ruckus(config-zone-ap-snmp-options configuration) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-snmp-options) # snmp-v3-user Type: Privileged	*name*	Adds or updates the AP SNMPv3 user.

Table 138 lists the related **zone-ap-snmp-options-snmp-v2-community** configuration commands.

TABLE 138 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	**notification** **notification-target** **read** **write**	Disables the settings that have been configured with these commands.
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	*ip port*	Enables notification target configuration commands.
ruckus(config-zone-ap-snmp-options-snmp-v2-community)# notification-type Type: Privileged	[**inform** | **trap**]	Sets the notification type.
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.

Table 139 lists the related **config-zone-ap-snmp-options-snmp-v3-user** configuration commands.

TABLE 139 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	**notification** **notification-target** **read** **write**	Disables the settings that have been configured with these commands.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# notification Type: Privileged		Enable notification privilege.

TABLE 139 Commands related to ruckus(config-zone-ap-snmp-options-snmp-v3-user configuration) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# notification-target Type: Privileged	*ip port*	Enables notification target configuration commands.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# notification-type Type: Privileged	*trap*	Sets the notification type.
ruckus(config-zone-ap-snmp-options-snmp-v3-user)# privacy Type: Privileged	**none** **des** *privacy-phrase* **aes** *privacy-phrase*	Sets the SNMPv3 user privacy.
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.

The following table lists the related zone-block-client configuration commands.

TABLE 140 Commands related to ruckus(config-zone-block-client)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-zone-block-client)# description Type: Privileged	*text*	Sets the description.

The following table lists the related zone-bonjour-fencing-policy configuration commands.

TABLE 141 Commands related to ruckus(config-zone-bonjour-fencing-policy)

Syntax and Type	Parameters (If Any)	Description
ruckus(config-zone-bonjour-fencing-policy)# description Type: Privileged	*text*	Sets the description.
ruckus(config-zone-bonjour-fencing-policy)# no Type: Privileged	**description** **rule** *rule index*	Sets to delete sub commands.
ruckus(config-zone-bonjour-fencing-policy)# rule fencing-policy-rule Type: Privileged	*index* - rule index	Sets the bonjour fencing rule.

Table 142 lists the related **zone-bonjour-policy** configuration commands.

TABLE 142 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.
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 143 lists the related **zone-bonjour-fencing-policy-rule** configuration commands.

TABLE 143 Commands related to ruckus(config-zone-bonjour-fencing-policy-rule)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-bonjour-fencing-policy-rule)# closest-ap Type: Privileged	<text>	Sets the configuration to the closest AP.
ruckus(config-zone-bonjour-fencing-policy-rule)# description Type: Privileged	<text>	Sets the description.
ruckus(config-zone-bonjour-fencing-policy-rule)# device-mac-list Type: Privileged	${value}	Lists the devices, which use MAC address.
ruckus(config-zone-bonjour-fencing-policy-rule)# device-type Type: Privileged		Sets the device type.
ruckus(config-zone-bonjour-fencing-policy-rule)# fence-range Type: Privileged		Sets the fence range.
ruckus(config-zone-bonjour-fencing-policy-rule)# no Type: Privileged	*device-mac-list*	Disables the configuration.
ruckus(config-zone-bonjour-fencing-policy-rule)# service-type		Sets the service type.

TABLE 143 Commands related to ruckus(config-zone-bonjour-fencing-policy-rule) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		

Table 143 lists the related **zone-bonjour-policy-rule** configuration commands.

TABLE 144 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.
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.

TABLE 144 Commands related to ruckus(config-zone-bonjour-policy-rule) (continued)

Syntax and Type	Parameters (if any)	Description
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.

The following table lists the related zone-client-isolation-whitelist configuration commands.

TABLE 145 Commands related zone-client-isolation-whitelist configuration commands.

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-client-isolation-whitelist)# auto Type: Privileged		Enables the auto whitelist. Each entry must have an IP address in order to enable auto whitelist.
ruckus(config-zone-client-isolation-whitelist)# description Type: Privileged	*text*	Sets the description
ruckus(config-zone-client-isolation-whitelist)# entry Type: Privileged	*index* - entry index	Sets the client isolation entry.
ruckus(config-zone-bonjour-policy- rule)# no Type: Privileged	**auto** **description** **entry**	Sets to delete sub command.

Table 146 lists the related zone-device-policy configuration commands

TABLE 146 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		Displays the help.

TABLE 146 Commands related to ruckus(config-zone-device-policy) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 147 lists the related **zone-device-policy-policy-rule** configuration commands.

TABLE 147 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 148 lists the related **zone-diffserv** configuration commands.

TABLE 148 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	*value*	Enables the tunnel diffserv downlink and sets the diffserv number.

TABLE 148 Commands related to ruckus(config-zone-diffserv) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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 149 lists the related **config-zone-ethernet-port-profile** and config-domain-zone-ethernet-port-profile configuration commands.

TABLE 149 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)# 8021x-enable Type: Privileged		Enable 802.1x
ruckus(config-zone-ethernet-port-profile)# auth-service Type: Privileged	*auth-service*	Authentication service.
ruckus(config-zone-ethernet-port-profile)# client-visibility Type: Privileged		Enables client visibility regardless of 802.1X authentication
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		Enable MAC authentication bypass

TABLE 149 Commands related to ruckus(config-zone-ethernet-port-profile and config-domain-zone-ethernet-port-profile) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-zone-ethernet-port-profile)# no Type: Privileged	**8021x-enable** **acct-service** **client-visibility** **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.
ruckus(config-zone-ethernet-port-profile)# proxy-auth Type: Privileged		Enables Proxy Authentication service.
ruckus(config-zone-ethernet-port-profile)# supplicant Type: Privileged	**mac** **custom** *username password*	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 150 lists the related **zone-guest access** configuration commands.

TABLE 150 Commands related to ruckus (config-zone-guest-access)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-guest-access)# description Type: Privileged	*text*	Sets the description.
ruckus(config-zone-guest-access)# do Type: Privileged		Executes the do command.
ruckus(config-zone-guest-access)# enable-terms-and-conditions		Enables the web portal terms and conditions.

TABLE 150 Commands related to ruckus (config-zone-guest-access) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
rruckus(config-zone-guest-access)# end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.
ruckus(config-zone-guest-access)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-guest-access)# grace-period Type: Privileged	*minutes*	Sets the grace period.
ruckus(config-zone-guest-access)# help Type: Privileged		Displays the help.
ruckus(config-zone-guest-access)# language Type: Privileged		Sets the language.
ruckus(config-zone-guest-access)# logo Type: Privileged	*ftp-url* format: ftp:// *username*:*password*@*ip*/*file-path*	Sets the logo by setting the FTP URL.
ruckus(config-zone-guest-access)# name Type: Privileged	*name*	Sets the guess access service name.
ruckus(config-zone-guest-access)# no Type: Privileged	**enable-terms-and-conditions** **sms-gateway** **terms-and-conditions**	Disables the web portal terms and conditions.
ruckus(config-zone-guest-access)# session-timeout Type: Privileged	*minutes*	Sets the session timeout as per the specified minutes.
ruckus(config-zone-guest-access)# sms-gateway Type: Privileged	*disabled*	Sets the guest pass for the SMS gateway.
ruckus(config-zone-guest-access)# start-page Type: Privileged	**original** **redirect** *start-url*	Sets the start page.
ruckus(config-zone-guest-access)# terms-and-conditions Type: Privileged		Sets the web portal terms and conditions.
ruckus(config-zone-guest-access)# title Type: Privileged		Sets the title for the web portal.

Table 151 lists the related **zone-hotspot** configuration commands.

TABLE 151 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.

TABLE 151 Commands related to ruckus(config-zone-hotspot) (continued)

Syntax and Type	Parameters (if any)	Description
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)# https-redirect Type: Privileged	*enable*	If enabled, the AP tries to redirect the HTTPS requests to the hotspot portal.
ruckus(config-zone-hotspot)# language Type: Privileged		Sets the portal language.
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	**https-redirect** **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.
ruckus(config-zone-hotspot)# smart-client-support Type: Privileged	**enable** **none** **only** *instructions* : Only smart client allowed with instructions for	Sets the smart client support.

TABLE 151 Commands related to ruckus(config-zone-hotspot) (continued)

Syntax and Type	Parameters (if any)	Description
	enabling users to log on using the smart client application	
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 152 lists the related **zone-hotspot20-venue-profile** configuration commands.

TABLE 152 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.
ruckus(config-zone-hotspot20-venue-profile)# end Type: Privileged		Ends the current configuration session and returns to the privileged EXEC mode.
ruckus(config-zone-hotspot20-venue-profile)# exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-hotspot20-venue-profile)# help Type: Privileged		Displays the help.
ruckus(config-zone-hotspot20-venue-profile)# no Type: Privileged	**venue-name** **wan-at-capacity** **wan-sym-link**	Disables the commands.
ruckus(config-zone-hotspot20-venue-profile)# venue-category Type: Privileged	**unspecified unspecified** **assembly** [**coffee-shop** | **passenger-terminal** | **restaurant** | **bar** | **arena** | **library** | **place-of-worship** | **emergencycoordination- center** | **museum** | **stadium** | **convention-center** | **unspecified**	Sets the venue category

TABLE 152 Commands related to ruckus(config-zone-hotspot20-venue-profile) (continued)

Syntax and Type	Parameters (if any)	Description
	| **amphitheater** | **amusement-park** | **theater** | **zoo-or-aquarium**]	
ruckus(config-zone-hotspot20-venue-profile)# venue-category Type: Privileged	**business** [**unspecified** | **orney-office** | **professional-office** | **research-and-development-facility** |**doctor-or-dentist-office** | **fire-station** | **post-office** | **bank**] **factory-and-industrial** [**unspecified** | **factory**] **educational** [**unspecified** | **school-primary** | **university-or-college** | **school-secondary**] **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**]	Sets the venue category
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**	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).

TABLE 152 Commands related to ruckus(config-zone-hotspot20-venue-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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.
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 153 lists the related **zone-hotspot20-wlan-profile** configuration commands.

TABLE 153 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.
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

TABLE 153 Commands related to ruckus(config-zone-hotspot20-wlan-profile) (continued)

Syntax and Type	Parameters (if any)	Description
		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
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.
ruckus(config-zone-hotspot20-wlan-profile)# internet-option Type: Privileged	**enable**	Enables the specified WLAN with Internet connectivity.

TABLE 153 Commands related to ruckus(config-zone-hotspot20-wlan-profile) (continued)

Syntax and Type	Parameters (if any)	Description
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 154 lists the related **zone-hotspot20-wlan-profile** cust-connect-capabilities configuration commands.

TABLE 154 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.

TABLE 154 Commands related to ruckus(config-zone-hotspot20-wlan-profile-cust-connect-capabilities) (continued)

Syntax and Type	Parameters (if any)	Description
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 155 lists the related **zone-l2-acl** configuration commands.

TABLE 155 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 156 lists the related **zone-vlan-pooling** configuration commands.

TABLE 156 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.
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 157 lists the related **zone-web-authentication** configuration commands.

TABLE 157 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 158 lists the related **zone-wechat** configuration commands.

TABLE 158 Commands related to ruckus (config-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.
rruckus(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	Sets DNAT port mappings
ruckus(config-zone-wechat)# grace-period Type: Privileged	*minutes*: Grace Period minutes	Sets 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 159 lists the related **zone-wlan** configuration commands.

TABLE 159 Commands related to ruckus(config-zone-wlan)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# aaa-vlan-override Type: Privileged		Enables AAA VLAN override.
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.
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		Enables to bypass CNA server.
ruckus(config-zone-wlan)# calea Type: Privileged		Enables Calea server.
ruckus(config-zone-wlan)# called-sta Type: Privileged	[**bssid** | **apmac** | **none** | **apgroup**]	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	*text*	Sets the description,

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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.
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;PRIVACYTYPE]. 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)# directed-multicast Type: Privileged		Sets the directed multicast.
ruckus(config-zone-wlan)# directed-threshold Type: Privileged	*number* Directed threshold should range from 0 to 128	Sets the directed MC/BC threshold
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)# dns-server-profile Type: Privileged		Sets the DNS server profile.
ruckus(config-zone-wlan)# do Type: Privileged		Executes the do command.
ruckus(config-zone-wlan)# dp-tunnel-nat Type: Privileged		Enables the DP tunnel NAT server.
ruckus(config-zone-wlan)# dpsk-effective-type		Sets the DPSK expiration effective type.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-zone-wlan)# dpsk-enable Type: Privileged		Enables DPSK.
ruckus(config-zone-wlan)# dpsk-expiration Type: Privileged		Sets DPSK expiration.
ruckus(config-zone-wlan)# dpsk-length Type: Privileged	*number*: key length (8-62)	Sets the DPSK length. The range is 8-62.
ruckus(config-zone-wlan)# dpsk-type Type: Privileged		Sets the DPSK type.
ruckus(config-zone-wlan)# dtim-interval Type: Privileged	*number*: DTIM interval must range from 1 to 255	Sets the DTIM interval.
ruckus(config-zone-wlan)# eap-acct-ip-attr-ignore Type: Privileged		Accounting service - enables the attribute *ignore* for EAP Accounting IP address.
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.
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)# external-nas Type: Privileged		Enables the external NAS IP address.
ruckus(config-zone-wlan)# flow-log Type: Privileged		Enables the flow log.
ruckus(config-zone-wlan)# flexi- vpn Type: Privileged	*profile-name*: vSZ-D zone affinity profile name	Sets the flexi vpn profile. Note: This command is applicable to vSZ-H.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# flexi- vpn-destination-vlan Type: Privileged	*destination VLAN*	Sets the VLAN destination in the range from 1to 4094 for flexi-vpn. Note: This command is applicable to vSZ-H.
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.
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)# ipsec-profile Type: Privileged	*${value}*	Sets the IPsec profile for SoftGRE only.
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	*password*	Sets the MAC authentication.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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	[**11mbps** | **1mbps** | **54mbps** | **24mbps** | **36mbps** | **12mbps** | **5.5mbps** | **9mbps** | **48mbps** | **2mbps** | **18mbps** | **6mbps**]	Sets the management Tx rates.
ruckus(config-zone-wlan)# mobility-domain-id Type: Privileged	*number*: ID number (1-65535)	Sets the mobility domain identifier (for 802.11r).
ruckus(config-zone-wlan)# no Type: Privileged	**aaa-vlan-override** **access-network** **acct-delay-time** **acct-service** **acct-service-use-proxy** **acct-ttg-session** **auth-service-use-proxy** **bss-minrate** **bypass-cna** **calea** **client-fingerprinting** **client-tx-rx-statistics** **device-policy** **dgaf** **dhcp-option-82** **diffserv-profile** **directed-multicast** **disable-band-balancing** **disable-load-balancing** **disable-wlan** **dnlink-limit**	Disables or deletes the configuration settings.
ruckus(config-zone-wlan)# no Type: Privileged	**eap-acct-ip-attr-ignore** **enable-rfc5580-support** **flexi-vpn** **flexi-vpn-destination-vlan** **flow-log** **force-dhcp** **hessid** **hide-ssid** **hotspot20-osu-support**	Disables or deletes the configuration settings.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
	ipsec-profile	
	l2-acl	
	mac-auth	
	ofdm-only (Orthogonal Frequency Division Multiplexing)	
	okc-support	
	onboarding-auth-service	
	onboarding-auth-service-use-proxy	
	pmk-caching	
	proxy-arp	
	qinq-vlan	
	qos-map-enable	
	roam	
	single-session-id-acct	
	support-802-11d	
	support-802-11k	
	support-802-11r	
	uplink-limit	
	user-traffic-profile	
	venue-code	
	vlan-enabled	
	vlan-pooling	
	wireless-client-isolation	
	wispr-ttg-support	
	zero-it-activation	
	zero-it-onboarding	
ruckus(config-domain-zone-wlan)# ofdm-only Type: Privileged		Enables OFDM (Orthogonal Frequency Division Multiplexing) rates.
ruckus(config-zone-wlan)# okc-support Type: Privileged		Enables OKC support.
ruckus(config-zone-wlan)# onboarding-auth-service Type: Privileged	*service-name* **local** *realm* *service-name* **remote** *realm* *service-name* **local** *realm* **never** *service-name* **local** *realm* **hour** *expiration-value*: Expiration value between 1 and 175200. *service-name* **local** *realm* **day** *expiration-value*: Expiration value between 1 and 7300.	Sets the onboarding authentication service.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
	service-name **local** *realm* **week** *expiration-value*: Expiration value between 1 and 1040. *service-name* **local** *realm* **month** *expiration-value* - Expiration value between 1 and 240.	
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.
ruckus(config-zone-wlan)# radius-nas-ip Type: Privileged	*ip*	Sets the RADIUS NAS IP address.
ruckus(config-zone-wlan)# radius-nas-ip-type Type: Privileged	[**sz-mgmt-ip**|**disabled**|**user**|**sz-control-ip**]	Sets the RADIUS NAS IP type.
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		Sets the RADIUS NAS type.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
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)# single-session-id-acct Type: Privileged		Enables Single Session ID Accounting.
ruckus(config-zone-wlan)# ssid Type: Privileged	*ssid*	Sets the WLAN SSID configuration.
ruckus(config-zone-wlan)# ssid-rate-limiting Type: Privileged	*uplinkdownlink*	Sets the SSID rate limit as either uplink or downlink with the range 1-200 mbps.
ruckus(config-zone-wlan)# support-802-11d Type: Privileged		Enables support for 802.11d.
ruckus(config-zone-wlan)# support-802-11k Type: Privileged		Enables support for 802.11k neighbor reports.
ruckus(config-zone-wlan)# support-802-11r Type: Privileged		Enables 802.11r fast BSS transition.
ruckus(config-domain-zone-wlan)# tunnel-profile Type: Privileged	*${value}*	Sets the GRE tunnel profile.
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.
ruckus(config-zone-wlan)# venue-code Type: Privileged		Enables venue code.
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.

TABLE 159 Commands related to ruckus(config-zone-wlan) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan)# wireless-client-isolation-whitelist Type: Privileged	*whitelist name*	Sets the wireless client Isolation whitelist. The whitelist can only contain wired destinations. Wireless clients are not supported on the whitelist.
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 155 lists the related **zone-wlan-qos-map** configuration commands.

TABLE 160 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 161 lists the related **zone-wlan-group** configuration commands.

.

TABLE 161 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.
ruckus(config-zone-wlan-group)# help Type: Privileged		Displays the help.

TABLE 161 Commands related to ruckus(config-zone-wlan-group). (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-wlan-group)# no Type: Privileged	*name***wlan** *name*	Disables or removes the configuration
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 162 lists the related **zone-wlan-scheduler** configuration commands.

.

TABLE 162 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*] | *${weekday}*	Disables the commands.
ruckus(config-zone-wlan-scheduler)# schedule-data Type: Privileged	[*weekday* | *empty*] [*start time value* | *empty*] [*end time value*] *${weekday}*	Sets the schedule table.

zone-affinity

To create or update the vSZ-D zone affinity configuration, use the following command.

ruckus(config)# zone-affinity *name*

Syntax Description

This command uses the following syntax:

name

vSZ-D Zone affinity profile name

Default

This command has no default settings.

Command Mode

Config

Example

```
ruckus(config)# zone-affinity VSD
ruckus(config-zone-affinity)# cache-cleanup
```

Related Commands

The following table lists the related zone-affinity configuration commands.

TABLE 163 Commands related to ruckus(config-zone-affinity)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-affinity)# allow-sess-on-acct-fail Type: Privileged		Allows session on accounting failure.
ruckus(config-zone-affinity)# auth Type: Privileged		Sets the SNMPv3 user authentication.
ruckus(config-zone-affinity)# cache-clean p Type: Privileged	*text*	Enables the cache cleanup setting.
ruckus(config-zone-affinity)# description Type: Privileged	*text*	Sets the description.
ruckus(config-zone-affinity)# do Type: Privileged		Executes the do command.
ruckus(config-zone-affinity) # ecgi-in-gtpv2-msg Type: Privileged		To include ECGI in GTPV2 messages.
ruckus(config-zone-affinity)# enable Type: Privileged		Allows outbound traffic
ruckus(config-zone-affinity) # end Type: Privileged		Ends the current configuration session and returns to privileged EXEC mode.

TABLE 163 Commands related to ruckus(config-zone-affinity) (continued)

Syntax and Type	Parameters (if any)	Description
ruckus(config-zone-affinity) # error Type: Privileged		Sets the error code.
ruckus(config-zone-affinity)# error-message Type: Privileged		Sets the error message.
ruckus(config-zone-affinity) # exit Type: Privileged		Exits from the EXEC.
ruckus(config-zone-affinity)# expiration-interval Type: Privileged		Sets the expiration interval.
ruckus(config-zone-affinity) # fast-reauth Type: Privileged		Enables fast re-authentication support.
ruckus(config-zone-affinity)# gtp-nsapi Type: Privileged		Sets the GTP network service access point identifier.
ruckus(config-zone-affinity)# help Type: Privileged		Displays the help.
ruckus(config-zone-affinity)# host Type: Privileged		Sets the host.
ruckus(config-zone-affinity) # imei-ie-in-gtp-msg Type: Privileged		Includes the IMEI IE in GTP messages.
ruckus(config-zone-affinity)# ip Type: Privileged		Sets the IP address.
ruckus(config-zone-affinity)# ip-rule Type: Privileged		Allows IP table profile.
ruckus(config-zone-affinity) # local-network-indicator Type: Privileged		Sets the local network indicator.
ruckus(config-zone-affinity)# mcc Type: Privileged		Sets the MCC (mobile country code).
ruckus(config-zone-affinity)# mnc Type: Privileged		Sets the MNC (mobile network code).
ruckus(config-zone-affinity)# name Type: Privileged		Sets the SCI profile.
ruckus(config-zone-affinity)# nat-ip-translation Type: Privileged		Sets the NAT IP translation in FTP passive mode.
ruckus(config-zone-affinity)# ndc Type: Privileged		Sets the NDC (network destination code).
ruckus(config-zone-affinity)# name Type: Privileged		Sets the SCI profile.
ruckus(config-zone-affinity)# no Type: Privileged	*ip-rule*	Disables and deletes commands.
ruckus(config-zone-affinity)# password Type: Privileged		Sets the password.
ruckus(config-zone-affinity)# pasv-port Type: Privileged		Sets the dynamic data transmission port range.
ruckus(config-zone-affinity)# pattern Type: Privileged		Sets the user agent pattern.
ruckus(config-zone-affinity) # policy		Sets the ACL policy.

TABLE 163 Commands related to ruckus(config-zone-affinity) (continued)

Syntax and Type	Parameters (if any)	Description
Type: Privileged		
ruckus(config-zone-affinity)# port Type: Privileged		Sets the port.
ruckus(config-zone-affinity) # read Type: Privileged		Enables the read privilege.
ruckus(config-zone-affinity) # scg-rai-in- gtpv2-msg Type: Privileged		Includes SCG-RAI in GTPV2 messages.
ruckus(config-zone-affinity) # scg-sai-in- gtpv2-msg Type: Privileged		Includes SCG-SAI in GTPV2 messages.
ruckus(config-zone-affinity)# secret Type: Privileged		Adds EAP-SIM secret key.
ruckus(config-zone-affinity)# shared-secret Type: Privileged		Sets the shared secret for the primary RADIUS server.
ruckus(config-zone-affinity)# system-id Type: Privileged		Sets the system identifier.
ruckus(config-zone-affinity)# tai-in-gtpv2- msg Type: Privileged		Includes TAI in GTPV2 messages.
ruckus(config-zone-affinity)# test Type: Privileged	*username*	Tests the RADIUS server.
ruckus(config-zone-affinity)# type Type: Privileged		Sets the administrator authentication type.
ruckus(config-zone-affinity)# unit Type: Privileged	*radiustacacs*	Sets the thresholdunit.
ruckus(config-zone-affinity) # user Type: Privileged	*name*	Sets the user.
ruckus(config-zone-affinity) # user-id- privacy Type: Privileged		Enables the user identifier privacy support.
ruckus(config-zone-affinity)# value Type: Privileged		Sets the threshold value.
ruckus(config-zone-affinity)# write Type: Privileged		Enables the write privilege.

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

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 164 lists the related **debug ap-cli** configuration commands.

TABLE 164 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.

ap-routine-config-interval

To set the AP routine configuration interval, use the following command.

ruckus(debug)# ap-routine-config-interval *seconds*

Syntax Description

This command uses the following syntax:

seconds
Sets all APs to fetch configuration in the specified seconds

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# ap-routine-config-interval
ruckus(debug)# ap-routine-config-interval 100
```

ap-routine-status-interval

To set the AP routine status interval, use the following command.

ruckus(debug)# ap-routine-status-interval *slowdownspeedup*

Syntax Description

This command uses the following syntax:

slowdown
>Sets all the APs to report status in 900 seconds interval

speedup
>Sets all the APs to report status in 180 seconds interval

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# ap-routine-status-interval
ruckus(debug)# ap-routine-status-interval slowdown
```

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 165 lists the related **debug data-plane** configuration commands.

TABLE 165 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.

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 166 lists the related debug diagnostic commands.

TABLE 166 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		Exits from the EXEC.

TABLE 166 Commands related to ruckus(debug-diagnostic) (continued)

Syntax and Type	Parameters (If Any)	Description
Type: Privileged		
ruckus(debug-diagnostic)# help		Displays the help.
Type: Privileged		

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 data plane configuration commands.

ruckus(debug)# dp-customized-config *name***all**

Syntax Description

This command has the following arguments or keywords:

all
>All data planes

name
>Data plane name

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
```

export log

To export the local system logs to external FTP server, use the following command:

ruckus(debug)# export log *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 *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 data plane configuration commands.

ruckus(debug)# no dp-customized-config

Syntax Description

This command has the following arguments or keywords:

all
> All data planes

name
> Data plane 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 sha1

To disable SHA1 support, use the following command.

ruckus(debug)# no sha1

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# no sha1
```

no tlsv1

To disable tlsv1 support, use the following command.

ruckus(debug)# no tlsv1

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# no tlsv1
```

no strict-wfa-compliance

To disable WFA compliance, use the following command:

ruckus(debug)# no strict-wfa-compliance

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Usage Guidelines

Its is highly recommended that the user contacts Ruckus customer support before enabling or disabling this CLI command.

Example

```
ruckus(debug)# no strict-wfa-compliance
```

reindex-elasticsearch-all

To reindex all elastic search data, use the following command:

ruckus(debug)# reindex-elasticsearch-all

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# reindex-elasticsearch-all
```

scan-jmxport

To scan JMX port, use the following command.

ruckus(debug)# scan-jmxport *ip*

Syntax Description

This command uses the following syntax:

ip

Specify the IP address.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# scan-jmxport
ruckus(debug)# scan-jmxport 10.128.70.82
```

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
```

sha1

To enable Secure Hash Algorithm 1 (SHA1) support, use the following command:

ruckus(debug)# sha1

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

FIGURE 12 sha1 Example

```
setup-1(debug)# sha1
Stop service tomcat done!
Start service tomcat done!
                total          used          free        shared      buffers       cached
Mem:         49361520      31806876      17554644         32860       206628      8269096
-/+ buffers/cache:      23331152      26030368
Swap:               0             0             0

Stop service communicator done!
Start service communicator done!
                total          used          free        shared      buffers       cached
Mem:         49361520      31127868      18233652         32800       206628      8273104
-/+ buffers/cache:      22648136      26713384
Swap:               0             0             0

Please make sure to enable/disable sha1 in all cluster nodes.
Successful operation
```

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 data plane configuration commands.

ruckus(debug)# show dp-customized-config

Syntax Description

This command has the following arguments or keywords:

all

All data planes

name

Data plane name

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# show dp-customized-config all
```

show sha1-state

To show the Secure Hash Algorithm 1 (SHA1) support state, use the following command.

ruckus(debug)# show sha1-state

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# show sha1-state
```

show strict-wfa-compliance-state

To view the WFA compliance state, use the following command.

ruckus(debug)# show strict-wfa-compliance-state

> **NOTE**
> It 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)# show strict-wfa-compliance-state
```

show tlsv1-state

To view tlsv1 support state, use the following command.

ruckus(debug)# show tlsv1-state

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# show tlsv1-state
```

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

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Usage Guidelines

Its is highly recommended that the user contacts Ruckus customer support before enabling / disabling this CLI command.

Example

```
ruckus(debug)# strict-wfa-compliance
```

tlsv1

To enable tlsv1 support, use the following command.

ruckus(debug)# tlsv1

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Debug

Example

```
ruckus(debug)# tlsv1
```

Setup Commands

rbd

To setup 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# rbddump

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# rbddump
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
symimgs: 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
watchdg: 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 controller setup process:
###############################################

Network is not setup.

************************************************
IP Version Support
************************************************
1. IPv4 only
2. IPv4 and IPv6
************************************************
Select address type: (1/2) 2

************************************************
IPv4 address setup for Control interface
************************************************
1. Manual
2. DHCP
************************************************
Select IP configuration: (1/2) 2

************************************************
IPv4 address setup for Cluster interface
************************************************
1. Manual
2. DHCP
************************************************
Select IP configuration: (1/2) 2

************************************************
IPv4 address setup for Management interface
************************************************
1. Manual
2. DHCP
************************************************
Select IP configuration: (1/2) 2

************************************************
```

```
Default Gateway Interface
***************************************************
1. Control
2. Cluster
3. Management
***************************************************
Select gateway interface: (1/2/3) 3
Primary DNS: 172.17.17.16
Secondary DNS:

***************************************************
IPv6 address setup for Control interface
***************************************************
1. Manual
2. DHCPv6
***************************************************
Select IPv6 configuration: (1/2) 2

***************************************************
IPv6 address setup for Management interface
***************************************************
1. Manual
2. DHCPv6
***************************************************
Select IPv6 configuration: (1/2) 2

***************************************************
IPv6 Default Gateway Interface
***************************************************
1. Control
2. Management
***************************************************
Select IPv6 gateway interface: (1/2) 1
Primary IPv6 DNS:
Secondary IPv6 DNS:

***************************************************
Current Network Settings (Before Applying)
***************************************************
***************************************************
IP Version Support Settings:
***************************************************
IP Version Support   : IPv4 and IPv6

Interface IPv4 settings:
***************************************************
Control:
***************************************************
IP Type              : DHCP
IP Address           : 192.168.2.53
Netmask              : 255.255.255.0
Gateway              : 192.168.2.219

***************************************************
Cluster:
***************************************************
IP Type              : DHCP
IP Address           : 192.168.100.88
Netmask              : 255.255.255.0
Gateway              :

***************************************************
Management:
***************************************************
IP Type              : DHCP
IP Address           : 172.17.25.55
Netmask              : 255.255.255.0
Gateway              :
Default Gateway      : yes

***************************************************
DNS Server Settings:
```

```
**************************************************
Primary DNS Server   : 172.17.17.16
Secondary DNS Server :

Interface IPv6 settings:
**************************************************
Control:
**************************************************
IP Type              : DHCPv6
IP Address           :
Gateway Type         : RA
Gateway              :
Default Gateway      : yes


**************************************************
Management:
**************************************************
IP Type              : DHCPv6
IP Address           :
Gateway Type         : RA
Gateway              :

**************************************************
DNS Server Settings:
**************************************************
Primary DNS Server   :
Secondary DNS Server :
**************************************************
Enter 'y' to apply, 'n' to modify
Do you want to apply the settings? (y/n)
Please wait while sytem configures the network.
It may take a few minutes...

**************************************************
Current Network Settings (After Applying)
**************************************************
**************************************************
IP Version Support Settings:
**************************************************
IP Version Support   : IPv4 and IPv6

Interface IPv4 settings:
**************************************************
Control:
**************************************************
IP Type              : DHCP
IP Address           : 192.168.2.53
Netmask              : 255.255.255.0
Gateway              :


**************************************************
Cluster:
**************************************************
IP Type              : DHCP
IP Address           : 192.168.100.88
Netmask              : 255.255.255.0
Gateway              :


**************************************************
Management:
**************************************************
IP Type              : DHCP
IP Address           : 172.17.25.55
Netmask              : 255.255.255.0
Gateway              : 172.17.25.1
Default Gateway      : yes


**************************************************
DNS Server Settings:
**************************************************
Primary DNS Server   : 172.17.17.16
Secondary DNS Server :
```

```
          Interface IPv6 settings:
          **************************************************
          Control:
          **************************************************
          IP Type             : DHCPv6
          IP Address          : fccc:192:168:2::eba/128
          Gateway Type        : RA
          Gateway             : fe80::20c:29ff:fef9:7e85
          Default Gateway     : yes


          **************************************************
          Management:
          **************************************************
          IP Type             : DHCPv6
          IP Address          : fccc:172:17:25::705/128
          Gateway Type        : RA
          Gateway             : fe80::20c:29ff:fef9:7e85


          **************************************************
          DNS Server Settings:
          **************************************************
          Primary DNS Server   :
          Secondary DNS Server :
          **************************************************
          Enter 'y' to accept, 'n' to modify
          Accept these settings and continue? (y/n) y


          SCG# setup
          ################################################
          Start SCG setup process:
          ################################################
          Current Network Settings
          **************************************************
          IP Version Support Settings:
          **************************************************
          IP Version Support  : IPv4 and IPv6

          Interface IPv4 settings:
          **************************************************
          Control:
          **************************************************
          IP Type             : DHCP
          IP Address          : 192.168.2.53
          Netmask             : 255.255.255.0
          Gateway             :


          **************************************************
          Cluster:
          **************************************************
          IP Type             : DHCP
          IP Address          : 192.168.100.88
          Netmask             : 255.255.255.0
          Gateway             :


          **************************************************
          Management:
          **************************************************
          IP Type             : DHCP
          IP Address          : 172.17.25.55
          Netmask             : 255.255.255.0
          Gateway             : 172.17.25.1
          Default Gateway     : yes


          **************************************************
          DNS Server Settings:
          **************************************************
          Primary DNS Server   : 172.17.17.16
          Secondary DNS Server :

          Interface IPv6 settings:
```

```
**************************************************
Control:
**************************************************
IP Type             : DHCPv6
IP Address          : fccc:192:168:2::eba/128
Gateway Type        : RA
Gateway             : fe80::20c:29ff:fef9:7e85
Default Gateway     : yes


**************************************************
Management:
**************************************************
IP Type             : DHCPv6
IP Address          : fccc:172:17:25::705/128
Gateway Type        : RA
Gateway             : fe80::20c:29ff:fef9:7e85


**************************************************
DNS Server Settings:
**************************************************
Primary DNS Server   :
Secondary DNS Server :
**************************************************
Do you want to setup network? (y/n) n
(C)reate a new cluster or (J)oin an exist cluster (c/j): c
Cluster Name (cluster name can contain letters (a-z, A-Z), numbers (0-9), and dashes (-)): ruckus-
cluster-1
Controller Description: ruckus controller

**************************************************
Create/Join       : create
DISCOVERY PROTOCOL: tcp
Cluster Name      : ruckus-cluster-1
Blade ID          : 83405b79-9286-4b57-8701-c7ecddf27c40
DESCRIPTION       : ruckus controller
**************************************************
Are these correct (y/n): y
Enter the controller name of the blade ([a-zA-Z0-9-]): ruckus-controller
Is this controller behind NAT? (y/n) n
System UTC Time: 2018-02-06 07:39:53 UTC
NTP Server ([a-zA-Z0-9.-]): [ntp.ruckuswireless.com]
Check if NTP server [ntp.ruckuswireless.com] is reachable...
System time after synchronization: 2018-02-06 07:40:01 UTC
Convert ZoneDirector APs in factory settings to SCG APs automatically (y/n) [N]
Reset admin's password!
Enter admin password:
Enter admin password again:
Enter the CLI enable command password:
Enter the CLI enable command password again:
Reset admin's password done!
Setup configurations done. Starting setup process after 5 seconds...
/etc/init.d/snmpd restart
New hostname: ruckus-controller
Change admin password done!

**************************************************
Check 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 Feb 06 07:40:33 UTC 2018
Blade Channel Opened, Tue Feb 06 07:40:36 UTC 2018
Configurer Channel Opened, Tue Feb 06 07:40:46 UTC 2018
Cassandra Started, Tue Feb 06 07:41:59 UTC 2018
ElasticSearch Started, Tue Feb 06 07:43:08 UTC 2018
Cassandra Initialized, Tue Feb 06 07:47:31 UTC 2018
Certificate and Root Key created, Tue Feb 06 07:49:02 UTC 2018
SCG Apps Started, Tue Feb 06 08:03:58 UTC 2018
Available, Tue Feb 06 08:04:13 UTC 2018
```

```
[################################################]100%
% System setup is finished. The current CLI session will be terminated. Please login again.
```

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

Introduction

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.

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_State_Change**
>
> **Accounting**
>
> **Authentication**
>
> **Authorization**
>
> **C_D_Interface n**
>
> **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
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

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-cnxn-stats

To display the CGF (Charging Gateway Function) connectivity statistics, use the following command:

ruckus# show cgf-cnxn-stats

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# show cgf-cnxn-stats
```

show cgf-tx-stats

To display the CGF (Charging Gateway Function) transaction 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 interface 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 interface 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

```
ruckus# 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

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-cnxn-stats

To display GGSN Connections statistics, use the following command:

ruckus# show ggsn-cnxn-stats

Syntax Description

This command has no arguments or keywords

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# show ggsn-cnxn-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 the list of HLR 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 the HLR SCTP (Stream Control Transmission Protocol) 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 Commands
show interface

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
```

Ruckus SmartZone 300 and Virtual SmartZone-High-Scale Command Reference Guide
Part Number: 800-71861-001 Rev A

```
      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 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:ftp@172.18.196.22
```

show md-stats

To display the md status, use the following command:

ruckus# show md-stats

Syntax Description

This command has the following arguments or keywords:

scg
> Displays the Local MD shared memory stats

peer-scg-mac ${scgMac}

> **peer-scg-mac**
>> Display the other SCG-MD connection stats at SCG

> **${scgMac}**

ap-mac ${apMac}

> **ap-mac**
>> Display the stats for Connected AP at SCG

> **${apMac}**

[**scg-app-name**] **${appName}**

> **scg-app-name**
>> Display the local application stats; Application Names must be among:
>> (scg_md/scg_sessmgr/md_proxy/scg_hip/scg_cnr/scg_com- municator/scg_sciagent/scg_web/
>> scg_eventreader/scg_nbi/scg_publi- capi/scg_memproxy/scg_observer/scg_logmgr/logclient/scg_idm/
>> scg_ccd/scg_push/scg_greyhound/scg_snmp/scg_cached)

> **${appName}**

node-id ${nodeId}

> **node-id**
>> Display nodeID's stats; Valid value: Actual node id + 1

> **${nodeId}**

> **remote mac app-name ${apMac}app-name ${appName}**

>> **remote**
>>> Get the stats from remote AP/DP; Valid value: ap / dp

>> **mac**
>>> Provide MAC of AP/DP

>> **app-name**
>>> Provide app-name from AP/DP; Valid value: ap_md / dp_md

>> **${apMac}**

>> **app-name**

>> **${appName}**

Default

This command has no default settings.

Command Mode

Privileged

Example

```
To be updated
```

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 radshm-stats

To view RADIUS KPI (key performance indicators) captured per AAA server on the controller, use the following command:

ruckus# show radius-server-stats display|kill|send *ipaddress*

Syntax Description

This command uses the following syntax:

display

Displays the RADIUS KPI statistics captured on the controller

kill

Stops sending the statistics collected to the elastic search database.

send

Sends the collected statistics to the elastic search database.

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# show radshm-stats send 172.19.13.60
```

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 run

To view a specific part of configuration during the running configuration, use the following command:

ruckus# show run *command name*

> **NOTE**
> Press Tab+Tab to view the available commands. By pressing the Enter key, the system displays an error of incomplete command.
>
> **ruckus# show run <press tab+tab> to view the available commands.**

Syntax Description

This command uses the following syntax:

acct-profile
Shows the accounting service profile configurations

ad-service
Shows the active directory service configurations

admin
Shows the administrator configurations

admin-radius
Shows the RADIUS server configurations for administrators

ap
Shows the AP configurations

ap-auto-tagging
Shows the critical AP auto tagging rules configurations

ap-cert-check
Shows the AP certificate check configurations

ap-control-mgmt-tos
Shows the AP control and management traffic TOS configuration

ap-heartbeat
Shows the AP heart beat interval configurations

ap-zone-aggregate
Shows the AP Zone data aggregation task status

auth-profile
Shows the authentication service profile configurations

bridge-profile
Shows the bridge service profile configurations

calea-mac
Shows the CALEA MAC configurations

calea-server-ip
> Shows the CALEA server IP configurations

cert-store
> Shows the certificate store configurations

control-plane
> Shows the control plane configurations

data-plane
> Shows the data plane configurations

dns-server-service
> Shows the DNS server service configurations

domain
> Shows the management domain configurations

dp-group
> Shows the data plane grouping configurations

encrypt-mac-ip
> Shows the MAC and IP encryption for WISPr enriched URL configurations

encrypt-zone-name
> Shows the AP Zone name encryption for WISPr enriched URL configurations

eth-port-validate-one-trunk
> Shows the validator for AP with at least one trunk port configuration

event
> Shows the events configurations

event-threshold
> Shows the event threshold

ftp-server
> Shows the FTP server configurations

hotspot-profile
> Shows the hotspot service profile configurations

identity-provider
> Shows the identity provider configurations

interface
> Shows the interface configurations

internal-subnet
> Shows the internal subnet prefix

ip
> Shows the control plane IP configurations

ip-support
> Shows the IP version support configuration

ipsec-profile
> Shows the IPsec profile configurations

l2ogre-profile
> Shows the L2oGRE service profile configurations

lbs-service
> Shows the LBS service

ldap-service
> Shows the LDAP service configurations

license
> Shows the license server configuration

lineman
> Shows the lineman application configuration

localdb-service
> Shows the local database service configurations

lwapp2scg
> Shows the LWAPP2SCG configuration

mgmt-acl
> Shows the management interface access control list configurations

mvno
> Shows the mobile virtual network operators (MVNO) configurations

node-affinity
> Shows the node affinity configurations

northbound-portal
> Shows the northbound portali nterface configurations

ntp-server
> Shows the NTP server configurations

oauth-service
> Shows the OAuth service configurations

operator-profile
> Shows the Wi-Fi operator profile configurations

outbound-firewall
> Shows the outbound firewall configurations

radius-service
> Shows the RADIUS service configurations

report
> Shows the report configurations

rks-gre
> Shows the Ruckus GRE configurations

sci-profile
> Shows the SCI profile configurations

sci-setting
> Shows the SCI server configurations

sms-server
> Shows the SMS server configurations

smtp-server
> Shows the SMTP server configurations

snmp-notification
> Shows the SNMP notification configurations

snmp-v2-community
> Shows the SNMPv2 community configurations

snmp-v3-user
> Shows the SNMPv3 user configurations

soft-gre
> Shows the soft GRE configurations

stats-upload
> Shows the FTP server for uploading statistical data

subpackages
> Shows the subscription packages configurations

syslog-server
> Shows the syslog server configurations

user-agent-blacklist
> Shows the user agent black list configurations

user-group
> Shows the user group configurations

user-role
> Shows the user role configurations

user-traffic-profile
> Shows the user traffic profile configurations

web-cert
> Shows the web certificate configurations

wlan-template
> Shows the WLAN template configurations

zone
> Shows the AP Zone configurations

zone-affinity
> Shows the vSZ-D Zone affinity configurations

zone-global
> Shows the zone global configurations

zone-template
> Shows the AP Zone template configurations

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus(config)# show run <tab+tab>
acct-profile                ad-service                  admin                       admin-
radius
adv-forwarding-profile      ap                          ap-auto-tagging             ap-cert-
check
ap-cert-expired-check       ap-control-mgmt-tos         ap-heartbeat                ap-
internal-subnet
ap-zone-aggregate           auth-profile                bridge-profile              calea-mac
calea-server-ip             cert-store                  cgf-service                 control-
plane
data-plane                  diameter-host-list          diameter-remote-service     diameter-
system-wide
dns-server-service          domain                      dp-group                    eap-aka
eap-sim                     encrypt-mac-ip              encrypt-zone-name           eth-port-
validate-one-trunk
event                       event-threshold             ftp-server                  ggsn-
service
hlr-mnc-ndc                 hlr-service                 hlr-system-wide             hotspot-
profile
identity-provider           interface                   internal-subnet             ip
ip-support                  ipsec-profile               l2ogre-profile              lbs-service
ldap-service                license                     lineman                     localdb-
service
lwapp2scg                   mgmt-acl                    mvno                        node-
affinity
non-tpm-switch-cert-validate  northbound-portal         ntp-server                  oauth-
service
operator-profile            outbound-firewall           q-in-q-ethertype            radius-
service
report                      rks-gre                     sci-profile                 sci-setting
sms-server                  smtp-server                 snmp-notification           snmp-v2-
community
snmp-v3-user                soft-gre                    stats-upload                subpackages
syslog-server               ttg-pdg-profile             user-agent-blacklist        user-group
user-role                   user-traffic-profile        web-cert                    wlan-
template
zone                        zone-affinity               zone-global                 zone-
template
```

show running-config

To view the current system configuration, use the following commands:

ruckus# show running-config *command-name*

> **NOTE**
> Press Tab+Tab to view the available commands. By pressing the Enter key, the system displays an error of incomplete command.
>
> **ruckus# show running-config <press tab+tab> to view the available commands.**

Syntax Description

This command uses the following sub commands:

```
SZ300-2# show running-config
acct-profile                    ad-service
admin                           admin-radius
adv-forwarding-profile          ap
ap-auto-tagging                 ap-cert-check
ap-cert-expired-check           ap-control-mgmt-tos
ap-heartbeat                    ap-internal-subnet
ap-zone-aggregate               auth-profile
bridge-profile                  calea-mac
calea-server-ip                 cert-store
cgf-service                     control-plane
data-plane                      diameter-host-list
diameter-remote-service         diameter-system-wide
dns-server-service              domain
dp-group                        eap-aka
eap-sim                         encrypt-mac-ip
encrypt-zone-name               eth-port-validate-one-trunk
event                           event-threshold
ftp-server                      ggsn-service
hlr-mnc-ndc                     hlr-service
hlr-system-wide                 hotspot-profile
identity-provider               interface
internal-subnet                 ip
ip-support                      ipsec-profile
l2ogre-profile                  lbs-service
ldap-service                    license
lineman                         localdb-service
lwapp2scg                       mgmt-acl
mvno                            node-affinity
non-tpm-switch-cert-validate    northbound-portal
ntp-server                      oauth-service
operator-profile                outbound-firewall
q-in-q-ethertype                radius-service
report                          rks-gre
sci-profile                     sci-setting
sms-server                      smtp-server
snmp-notification               snmp-v2-community
snmp-v3-user                    soft-gre
stats-upload                    subpackages
syslog-server                   ttg-pdg-profile
user-agent-blacklist            user-group
user-role                       user-traffic-profile
web-cert                        wlan-template
zone                            zone-affinity
zone-global                     zone-template
```

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# show running-config ?
  acct-profile                    Shows Accounting Service Profile configurations

  ad-service                      Shows Active Directory Service configurations

  admin                           Shows Administrator configurations

  admin-radius                    Shows RADIUS Server configurations for Administrators

  adv-forwarding-profile          Shows Advanced (Mixed Mode) Service Profile
configurations

  ap                              Shows AP configurations

  ap-auto-tagging                 Shows Critical AP Auto Tagging Rules configurations

  ap-cert-check                   Shows AP Certificate Check configurations

  ap-cert-expired-check           Shows AP Certificate Expired Check configurations

  ap-control-mgmt-tos             Shows AP control and management traffic TOS
configurations

  ap-heartbeat                    Shows AP Heartbeat interval configurations

  ap-internal-subnet              Shows currectly tunnel internal subnet

  ap-zone-aggregate               Shows AP Zone data aggregation task status

  auth-profile                    Shows Authentication Service Profile configurations

  bridge-profile                  Shows Bridge Service Profile configurations

  calea-mac                       Shows CALEA MAC configurations

  calea-server-ip                 Shows CALEA Server IP configurations

  cert-store                      Shows Certificate Store configurations

  cgf-service                     Shows CGF Service configurations

  control-plane                   Shows Control Plane configurations

  data-plane                      Shows Data Plane configurations

  diameter-host-list              Shows Diameter Host List

 diameter-remote-service         Shows Diameter remote service configurations

  diameter-system-wide           Shows Diameter system wide

  dns-server-service              Shows DNS Server Service configurations

  domain                          Shows Management Domain configurations
```

```
    dp-group                        Shows Data Plane Grouping configurations

    eap-aka                         Shows EAP-AKA configurations

    eap-sim                         Shows EAP-SIM configurations

    encrypt-mac-ip                  Shows MAC and IP encryption for WISPr enriched
URL configurations

    encrypt-zone-name               Shows AP Zone name encryption for WISPr enriched
URL configurations

    eth-port-validate-one-trunk     Shows Validator for AP with at least one trunk
port configurations

    event                           Shows Events configurations

    event-threshold                 Shows Event Threshold

    ftp-server                      Shows FTP Server configurations

    ggsn-service                    Shows GGSN/PGW Service configurations

    hlr-mnc-ndc                     Shows HLR Service MNC to NDC Mappings

    hlr-service                     Shows HLR Service configurations

    hlr-system-wide                 Shows HLR Service System Wide configurations

    hotspot-profile                 Shows Hotspot Service Profile configurations

    identity-provider               Shows Identity Provider configurations

    interface                       Shows interface configurations

    internal-subnet                 Shows internal subnet prefix

    ip                              Shows Control Plane IP configurations

    ip-support                      Shows IP Version Support configuration

    ipsec-profile                   Shows IPsec Profile configurations

    l2ogre-profile                  Shows L2oGRE Service Profile configurations

    lbs-service                     Shows LBS service

    ldap-service                    Shows LDAP Service configurations

    license                         Shows License Server configuration

    lineman                         Shows Lineman application configuration

    localdb-service                 Shows LOCAL DB Service configurations

    lwapp2scg                       Shows LWAPP2SCG configuration

    mgmt-acl                        Shows Management interface Access Control List
configurations

    mvno                            Shows Mobile Virtual Network Operators (MVNO)
configurations

    node-affinity                   Shows Node Affinity configurations

    non-tpm-switch-cert-validate    Shows nonTPM switch certificate validate

    northbound-portal               Shows Northbound Portal interface configurations

    ntp-server                      Shows NTP Server configurations
```

oauth-service	Shows OAuth Service configurations
operator-profile	Shows Wi-Fi Operator Profile configurations
outbound-firewall	Shows Outbound firewall configurations
q-in-q-ethertype	Shows Q-in-Q EtherType value
radius-service	Shows RADIUS Service configurations
report	Shows Report configurations
rks-gre	Shows Ruckus GRE configurations
sci-profile	Shows SCI Profile configurations
sci-setting	Shows SCI Server configurations
sms-server	Shows SMS Server configurations
smtp-server	Shows SMTP Server configurations
snmp-notification	Shows SNMP notification configurations
snmp-v2-community	Shows SNMPv2 Community configurations
snmp-v3-user	Shows SNMPv3 User configurations
soft-gre	Shows Soft GRE configurations
stats-upload	Shows FTP Server for uploading statistical data
subpackages	Shows Subscription packages configurations
syslog-server	Shows Syslog Server configurations
ttg-pdg-profile	Shows TTG PDG Service Profile configurations
user-agent-blacklist	Shows User Agent Black list configurations
user-group	Shows User Group configurations
user-role	Shows User Role configurations
user-traffic-profile	Shows User Traffic Profile configurations
web-cert	Shows Web Certificate configurations
wlan-template	Shows WLAN Template configurations
zone	Shows AP Zone configurations
zone-affinity	Shows vSZ-D Zone Affinity configurations
zone-global	Shows Zone Global configurations
zone-template	Shows AP Zone Template configurations

show service

To view the system service state, use the following command:

ruckus# show service *name*

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 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# show version
   Model                           : SZ300
   Serial #                        : 121737000023
   SZ Version                      : 5.0.0.0.661
   Control Plane Software Version  : 5.0.0.0.617
   Data Plane Software Version     : 5.0.0.0.661
   AP Firmware Version             : 5.0.0.0.722, 5.0.0.99.439, 5.0.0.99.343,
 5.0.0.99.522, 5.0.0.0.620, 5.0.0.99.554, 5.0.0.99.436, 5.0.0.99.532, 5.0.0.0.732,
5.0.0.0.630, 5.0.0.99.488, 5.0.0.99.381, 5.0.0.0.651, 5.0.0.0.664, 5.0.0.0.663,
5.0.0.0.734, 5.0.0.0.694, 5.0.0.0.584, 5.0.0.0.601, 5.0.0.0.634, 5.0.0.99.416,
5.0.0.0.727, 3.6.0.0.579, 3.6.0.0.639, 3.6.0.0.596
```

show wired- client

To view the current AP's associated wired client sessions, use the following command:

ruckus# show wired-client *wired-client-mac*

Syntax Description

This command uses the following syntax:

wired-client-mac
Wired client MAC address

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# show wired-client <mac address>
```

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

Default

This command has no default settings.

Command Mode

Privileged

Example

FIGURE 13 show zoneExample

System Commands

?

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:password@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

Usage Guidelines

To view configuration commands, see the Configuration Commands chapters.

Example

```
ruckus# config
```

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. FTP URL format: ftp:**//***username***:***password***@***ftp-host* [*/dir-path*]

ftp-url **backup-network**
>   Backup of the network configuration file. The FTP URL format: *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

This command uses the following syntax:

name ftp-url

name

AP Zone name

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 client test Zone ftp://test:testpwd@172.17.22.11
```

copy ftp-url

To copy files from external FTP server, use the following command:

ruckus# copy ftp-url *name 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 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

This command uses the following syntax:

name ftp-url

name

Report name

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 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:

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[: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** *list*
>>> 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

Inhibit using EPRT or LPRT (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)

--ftp-pasv

Use PASV/EPSV instead of PORT (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)

-0/ --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 *address*

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 *file*

Limit transfer speed to this rate

-I/ --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
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

The following table lists the related diagnostic commands.

TABLE 167 Commands related to ruckus(diagnostic)

Syntax and Type	Parameters (If Any)	Description
ruckus(diagnostic)# application-log-level <debug|error|info|warn> Type: Privileged	DEBUG: Sets the log level to debug ERROR: Sets the log level to error INFO: Sets the log level to information WARN: Sets the log level to warning	Sets the log level of an application.
ruckus(diagnostic)# application-log-level-all <debug|error|info|warn> Type: Privileged	DEBUG: Sets log level for all applications to debug ERROR: Sets the log level for all applications to error INFO: Sets the log level for all applications to information WARN: Sets the log level for all applications to warning	Sets the log level for all applications.
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		Executes the do command.

TABLE 167 Commands related to ruckus(diagnostic) (continued)

Syntax and Type	Parameters (If Any)	Description
Type: Privileged		
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		Gets the snapshot with the current running system and all application logs.
ruckus(diagnostic)# execute all-full Type: Privileged		Gets the snapshot of the current running system and all application logs. It also includes rotated or archived logs.
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
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(config)# 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
Yo set the log level as WARN

mac
o 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

The following table lists the related **patches** commands.

TABLE 168 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.

TABLE 168 Commands related to ruckus(patches) (continued)

Syntax and Type	Parameters (If Any)	Description
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 June 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 ap *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
```

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

To restore the cluster system, use the following command:

ruckus# restore

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Privileged

Example

```
ruckus# restore
Please choose a backup to restore or 'No' to cancel This action will reboot the system.
Do you want to restore "the entire" cluster system? (yes/no) # Yes: restore cluster, no: original
restore local
Do you want to restore the "local" system only? (yes/no) # Yes: start to restore local, No: cancel
operation
```

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 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,freeradius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for
(cassandra,communicator,eventreader,freeradius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for (communicator,eventreader,freeradius,memcached,monitor,northbound,repcached,scheduler,tomcat)
Up!
wait for (communicator,eventreader,monitor,northbound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,northbound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,northbound,repcached,scheduler,tomcat) Up!
wait for (communicator,eventreader,monitor,northbound,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

Syntax Description

This command has no arguments or keywords.

Default

This command has no default settings.

Command Mode

Privileged

Usage Guidelines

⚠️ **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, it is 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*.

Example

```
ruckus# set-factory
```

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
```

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
```

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
```