MIB REFERENCE GUIDE

RUCKUS SmartZone (ST-GA) SNMP Reference Guide (SZ100/vSZ-E), 7.0.0

SmartZone 7.0.0

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Contact Information, Resources, and Conventions

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 products, and customers and partners with active support contracts.

For product support information and details on contacting the Support Team, go directly to the RUCKUS Support Portal using https://support.ruckuswireless.com, or go to https://www.ruckusnetworks.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. Requests 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, Central and South America, and Asia Pacific, toll-free numbers are available at https://support.ruckuswireless.com/contact-us and Live Chat is also available.
- Worldwide toll number for our support organization. Phone charges will apply: +1-650-265-0903

We suggest that you keep a physical note of the appropriate support number in case you have an entire network outage.

Self-Service Resources

The RUCKUS Support Portal at https://support.ruckuswireless.com 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://community.ruckuswireless.com
- Knowledge Base Articles—https://support.ruckuswireless.com/answers
- Software Downloads and Release Notes—https://support.ruckuswireless.com/#products_grid
- 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.

Document Feedback

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

You can email your comments to RUCKUS at #Ruckus-Docs@commscope.com.

When contacting us, include the following information:

- Document title and release number
- Document part number (on the cover page)
- Page number (if appropriate)

For example:

- RUCKUS SmartZone Upgrade Guide, Release 5.0
- Part number: 800-71850-001 Rev A
- Page 7

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 the documentation by product or perform a text search. Access to Release Notes requires an active support contract and a RUCKUS Support Portal user account. Other technical documentation content is available without logging in to the RUCKUS Support Portal.

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

Online Training Resources

To access a variety of online RUCKUS training modules, including free introductory courses to wireless networking essentials, site surveys, and products, visit the RUCKUS Training Portal at https://commscopeuniversity.myabsorb.com/. The registration is a two-step process described in this video. You create a CommScope account and then register for, and request access for, CommScope University.

Document Conventions

The following table lists the text 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 Safety 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.

ATTENTION
An ATTENTION statement indicates some information that you must read before continuing with the current action or task.

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.

About This Guide

New In This Document

TABLE 2 Key Features and Enhancements in *SmartZone 7.0.0 Rev A* (*February 2024*)

Feature	Description	Reference
ruckusSZAPMiscEventTrap	**New**: 118: upgradeSignaturePackage 309: apPuncturing 310: apRecoveryFactoryReset 311:apChangeControlBlade 360: apPoEPowerNotEnough 382: apOnRecoveryPartition 383: apOnRecoveryPartitionAfterPanic	ruckusSZAPMiscEventTrap on page 267
ruckusSZClientMiscEventTrap	**New**: 238: clientBTMReqSent 239: clientBTMRespReceived 240:clientDisassocByCLB	ruckusSZClientMiscEventTrap on page 269

Introduction

This *SmartZone SNMP MIB Reference Guide* describes the SNMP Management Information Bases (MIBs) that the SmartZone 100 (SZ-100) and Virtualized SmartZone-Essentials (vSZ-E) (collectively referred to as “the controller” throughout this guide) supports.

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

Terminology

The following table lists the terms used in this guide.

TABLE 3 Terms used in this guide

Term	Description
AAA	Authentication, Authorization, and Accounting
AP	Access Point
APN	Access Point Name
CDR	Call Detail Record
CGF	Charging Data Function
CIP	Channel Interface Processor
DHCP	Dynamic Host Configuration Protocol
EAP-AKA	Extensible Authentication Protocol for Authentication and Key Agreement
EAP-SIM	Extensible Authentication Protocol for GSM Subscriber Identity Module
GGSN	Gateway GPRS Support Node
GSN	GPRS Support Node
GTP-C	GPRS Tunneling Protocol – Control Plane
HLR	Home Location Register
IPSP	IP Signaling Point
LBS	Location Based Service
MIB	Management Information Bases
NAK	Negative Acknowledgment
NBI	Northbound Interface
OID	Object Identifier
PDG	Packet Data Gateway
SG	Signaling Gateway
SmartZone-CBlade	SmartZone Controller Blade
SmartZone-DBlade	SmartZone Data Blade
SNMP	Simple Network Management Protocol
SZ	SmartZone 100
TCP	Transmission Control Protocol
TTG	Tunnel Termination Gateway
UE	User Equipment
UE-IP	User Equipment - IP Address
UE-MAC	User Equipment - MAC Address

References

The following table lists the specifications and standards that are referred to in this guide.

TABLE 4 References used in this guide

No.	Reference Number	Description
1	RFC3418	Defines managed objects that describe the behavior of a Simple Network Management Protocol (SNMP) entity
2	RFC1213	Defines the second version of the Management Information Base (MIB-II) for use with network management protocols on TCP/IP-based Internets.

SNMP Configuration and Standard MIB and OID

Overview

This document describes the SNMP Management Information Base (MIB) that the controller supports. It also describes overall design of the controller SNMP agent.

The controller SNMP agent allows its northbound portal application to monitor the system via SNMP GET operation and also notifies the critical events by sending traps. The controller supports v2 community and v3 versions of SNMP. It also supports configuring the system via SNMP SET operation. See Updating AP SNMPv2 and SNMPv3 Configuration Flow and SNMP Logs on page 24.

NOTE
For information on how to enable SNMP traps and configure the SNMP v2 and v3 settings on the controller web interface, refer to the *SmartZone Administrator Guide*.

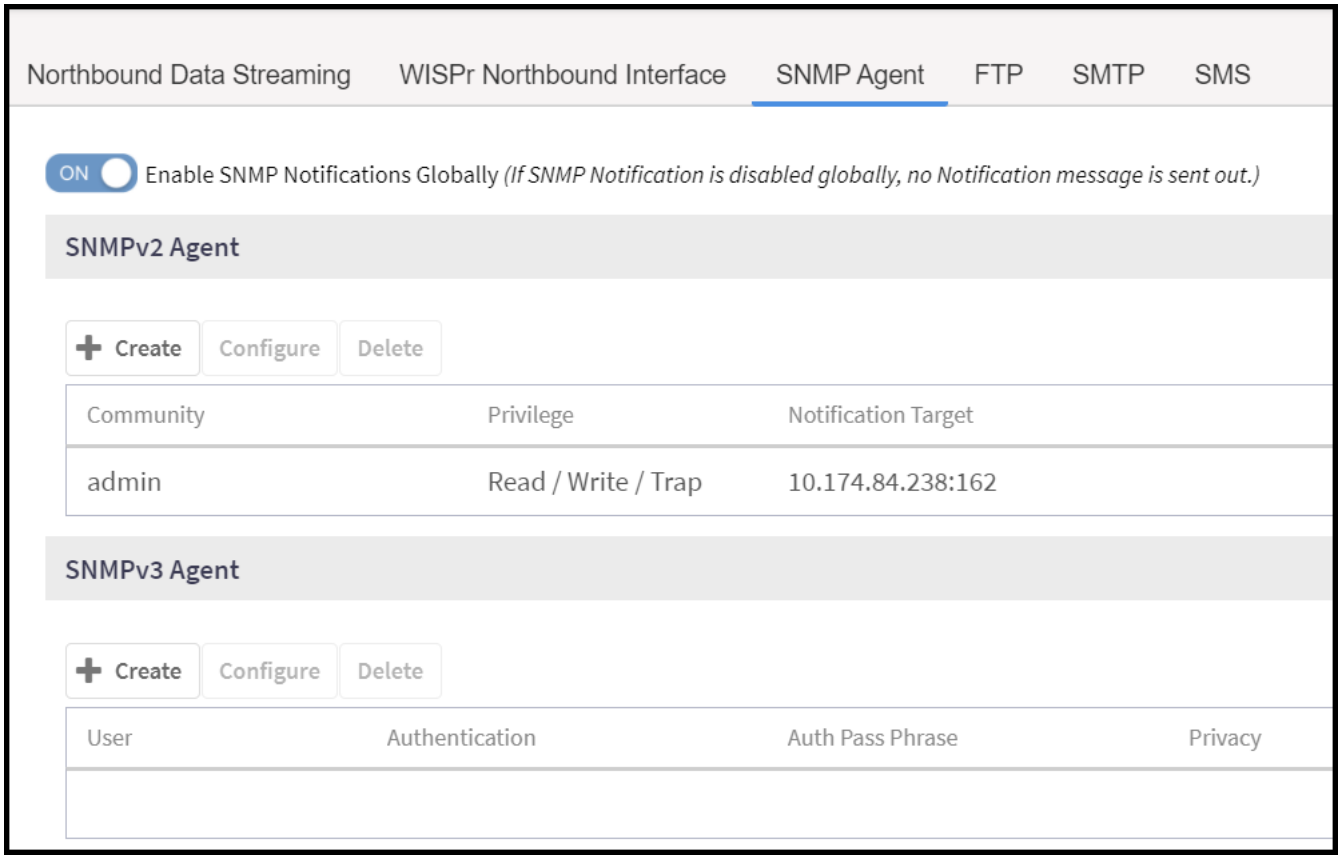
NOTE
Refer *Terminology* topic for terms used in this guide.

NOTE
For details on alarms and events refer to *SmartZone Alarms and Events Guide*.

Enabling and Disabling SNMP Traps

To enable/disable SNMP traps, navigate to **Administration** > **External Service** > **SNMP Agent**

FIGURE 1 SNMP Notification



If the SNMP notification is disabled, it will not send any messages to the receiver. It also does not allow any community or a user to enable or configure the notification target address.

Updating AP SNMPv2 and SNMPv3 Configuration Flow and SNMP Logs

Using the controller web interface, you can add or update SNMPv2 and SNMPv3 communities/users and set the operations (set/get/trap) configuration. Navigate to **Services** > **Others** > **AP SNMP Agent** to create AP SNMPv2 and v3 agents.

> **NOTE**
> For information on how to enable the AP SNMPv2 and v3 settings on the controller web interface, refer *Administrator Guide* > *Services* > *Working with other SmartZone Services* > *AP SNMP Agent*.

The controller supports a maximum of eight SNMP user profiles and eight trap destinations for AP SNMPv2 and AP SNMPv3. In the previous releases this was unlimited.

FIGURE 2 Create or enable SNMPv2

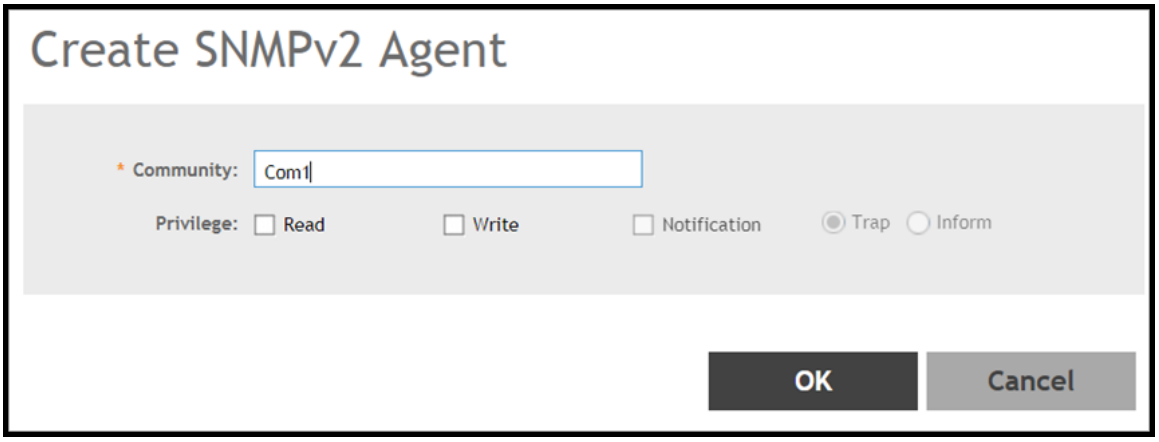
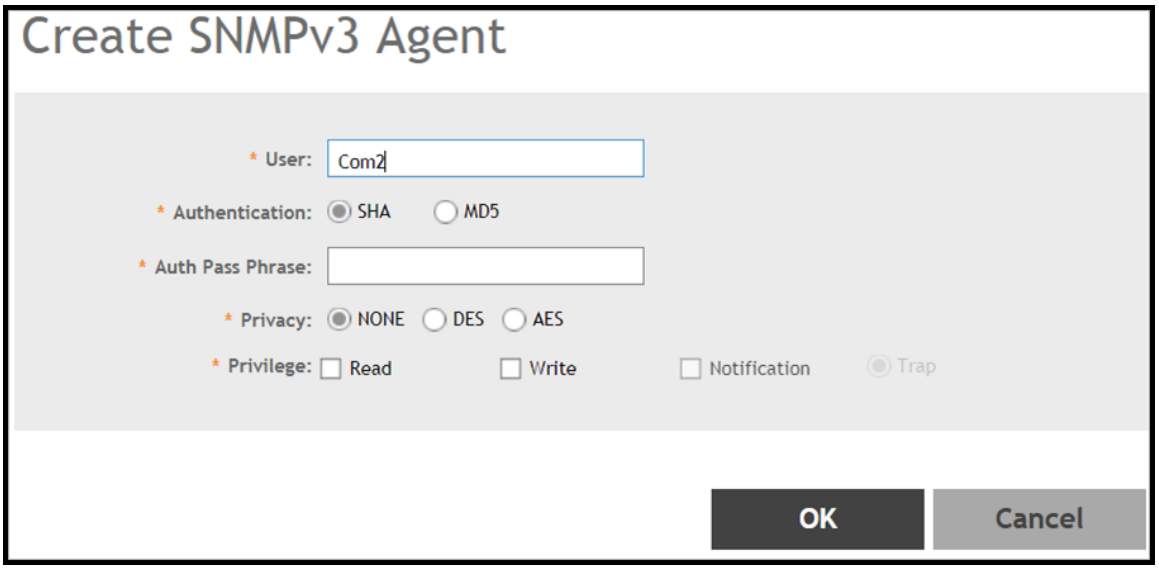


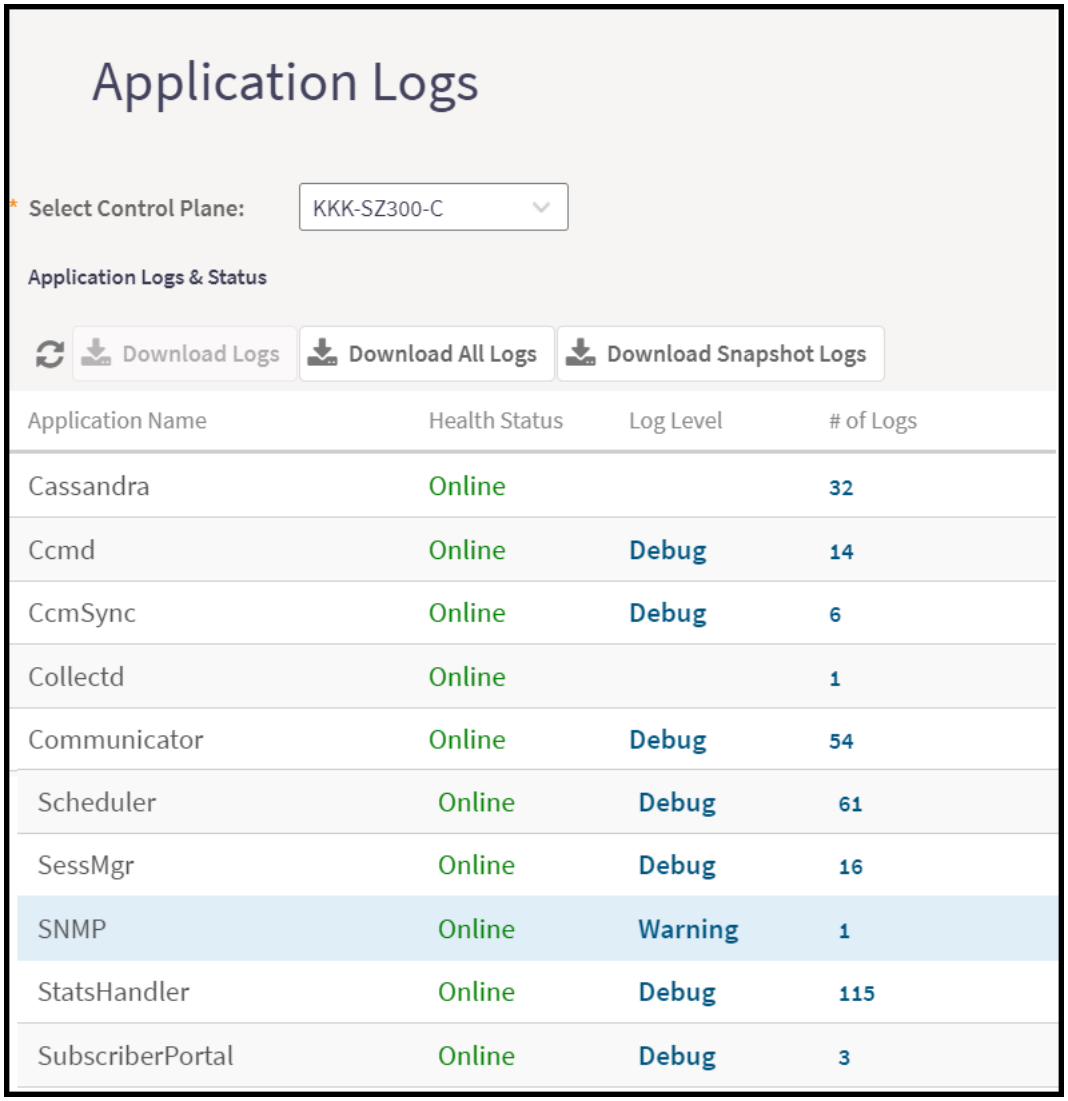
FIGURE 3 Create or enable SNMPv3



SNMP Logs

On the controller web interface, navigate to **Monitor** > **Troubleshooting & Diagnostics** > **Application Logs**to view the SNMP logs. SNMP is listed in the *Application Name* column.

FIGURE 4 Application Logs



Standard MIB

Standard MIBs that the controller supports include:

- Host Resource MIB on page 27
- UCD MIB on page 27
- SNMPv2 MIB (RFC3418) on page 27
- RFC1213 MIB (RFC1213) on page 27

Host Resource MIB

Host resource MIB is a standard MIB for monitoring the resource status on controller. The term “host” refers to any computer that communicates with other similar computers attached to the Internet and that is directly used by one or more users.

NOTE
To get disk information use the Host Resource MIB OID.1.3.6.1.2.1.25.2.3.

UCD MIB

The UCD SNMP MIB contains system performance data, which was designed for ease of numerical management routines. This MIB is no longer maintained by the University of California. It is now on life support-mode and maintained by the NET-SNMP project.

- To get CPU information use the UCD SNM MIB OIDs.
  - .1.3.6.1.4.1.2021.10.1.3.1 (1 minute load)
  - .1.3.6.1.4.1.2021.10.1.3.2 (5 minute load)
  - .1.3.6.1.4.1.2021.10.1.3.3 (15 minute load)
- To get memory information use the OID.1.3.6.1.4.1.2021.4

SNMPv2 MIB (RFC3418)

SNMPv2-MIB (RFC3418) defines managed objects that describe the behavior of a Simple Network Management Protocol (SNMP) entity.

NOTE
RFC3418 obsoletes RFC1907 – the management information base for v2 of the Simple Network Management Protocol (SNMPv2).

RFC1213 MIB (RFC1213)

RFC1213-MIB (RFC1213) defines the second version of the management information base (MIB-II) for use with network management protocols on TCP/IP- based Internets. This RFC specifies an IAB standards track protocol for the Internet community, and requests discussion and suggestions for improvements.

NOTE
To get network information use the OID.1.3.6.1.2.1.2.2.

NOTE
For more information about RFC1213-MIB (RFC1213), refer to the current edition of the “IAB Official Protocol Standards” for the standardization state and status of this protocol. Distribution of this memo is unlimited.

Ruckus private MIBs are categorized into the following types:

- Ruckus Event MIB on page 47
- Ruckus System MIB on page 149
- Ruckus WLAN MIB on page 159
- Ruckus AP MIB on page 173

Decoding Traps

To extract the variable bindings from the trap, it is recommended to use the OID (of the variables) instead of their positions. The reason is that the OID never changes while the position may change when additional variables are added to the trap. For example, the ruckusSCGSystemMiscEventTrap trap may originally contain the following four variable bindings:

- ruckusSCGEventSeverity
- ruckusSCGEventType
- ruckusSCGEventDescription
- ruckusSCGEventCode

Assuming in a future release, a new variable binding - ruckusSCGEventReason, is added to this trap, then ruckusSCGSystemMiscEventTrap trap will have the following five variable bindings:

- ruckusSCGEventSeverity
- ruckusSCGEventType
- ruckusSCGEventReason
- ruckusSCGEventDescription
- ruckusSCGEventCode

If the variable bindings are extracted based on the position, the original logic fails when the binding - ruckusSCGEventReason is added.

Though a newly-added variable binding is normally added at the end of the existing binding, sometimes it may placed in the middle to make it consistent with other traps.

NOTE
For details on variable OIDs refer *Ruckus Event Object* topic.

Generate Traps Using CLI

Using the CLI console execute the following commands to trigger SNMP traps. These set of commands is for testing purposes, where fake or test traps are generated manually to test communication and message parsing with upper systems.

NOTE
Make sure that the option *Enable SNMP* is enabled before running the following CLI commands. In the web interface navigate to **System** > **General Settings** > **SNMP Agent** to enable the option.

FIGURE 5 SNMP Traps Using CLI

```
SZ300-2(diagnostic)# trigger-trap
  all             trigger all traps


  <eventcode>     Multi-Traps separated by comma, for example: trigger-trap  123
,122,133

SZ300-2(diagnostic)# trigger-trap all
Successful operation

SZ300-2(diagnostic)# trigger-trap 960
Successful operation
```

SNMP Agent for APs

APs by default have SNMP Agent disabled. This can be changed either using the controller's interface or CLI console.

Limitations

- Only one target notification is allowed in both SNMP v2 and v3 agents
- You can have a maximum count of three (3) each for community and user groups
- Community or users should not have the same privileges. For example:
  - Read or write or notification privileges should not be enabled in two communities
  - Read or write or notification should not be enabled in two users

Enable SNMP Agent

Option 1 - User Interface

To enable SNMP options for Zone APs throught controller interface, perform the following steps:

1. Click **Network** tab, under wireless select **Access Points** .
2. Click **+**. This displays **Create Domain** page.
3. In the **Create Domain**, select **Type** as **Zone**. This displays **Create Zone** page.
4. Scroll down to **AP SNMP Options** menu. By default, the **Enable AP SNMP** radio button is disabled.
5. Click **Enable AP SNMP** radio button to enable **AP SNMP Options**. This displays **Config Type** options **CustomAP SNMP Agent Profile**.

FIGURE 6 Enabling AP SNMP Options for Zone AP

Config Type - Custom

After enabling the AP SNMP radio button, **Config Type** option is highlighted and by default **Custom** type is selected. In the **Custom** config type, user can create/configure/delete **SNMPv2 Agent** and **SNMPv3 Agent**.

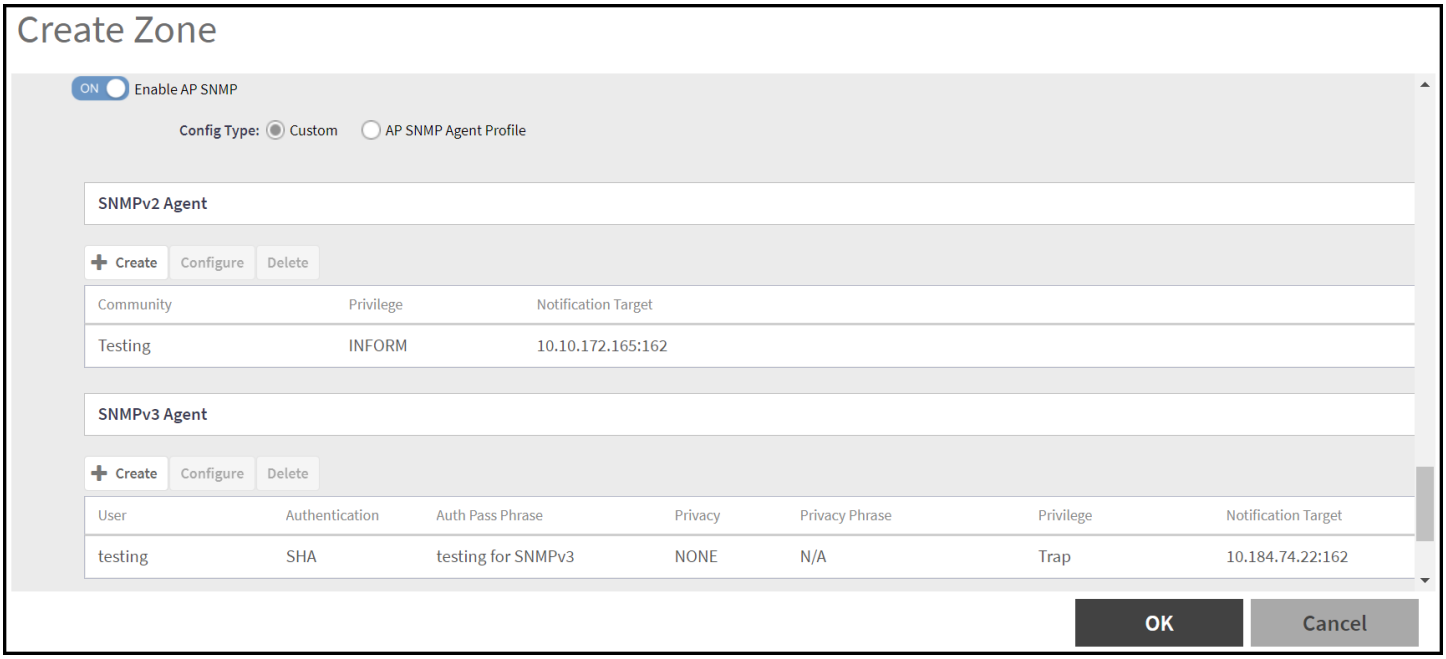
SNMPv2 Agent

1. To create **SNMPv2 Agent**, click **Create** in **SNMPv2 Agent** section. This displays **Create SNMPv2 Agent** page. In the create SNMPv2 Agent page, enter **Community** name and choose the **Privilege** type by selecting the check box options -
   - Read-Only
   - Read-Write
   - Notification - Enter the **Target IP** and **Target Port** details and click **Add**. Select if the notification is a **Trap** or **Inform**.
2. Click **OK**. The new SNMPv2 agent details is displayed in the **SNMPv2 Agent** section.

SNMPv3 Agent

1. To Create **SNMPv3 Agent**, click **Create** in **SNMPv3 Agent** section. This displays **Create SNMPv3 Agent** page. This displays **Create SNMPv3 Agent** page. In the **Create SNMPv3 Agent** page, enter name, select **Authentication** options **SHA** or **MD5**, enter **Auth Pass Pharse**, select **Privacy** options **None**, **DES** or **AES** and choose the **Privilege** type by selecting the check box options -
   - Read-Only
   - Read-Write
   - Notification - Enter the **Target IP** and **Target Port** details and click **Add**. Select if the notification is a **Trap** or **Inform**.
2. Click **OK**. The new SNMPv3 agent details is displayed in the **SNMPv3 Agent** section.

FIGURE 7 Enable AP SNMP Options - Custom

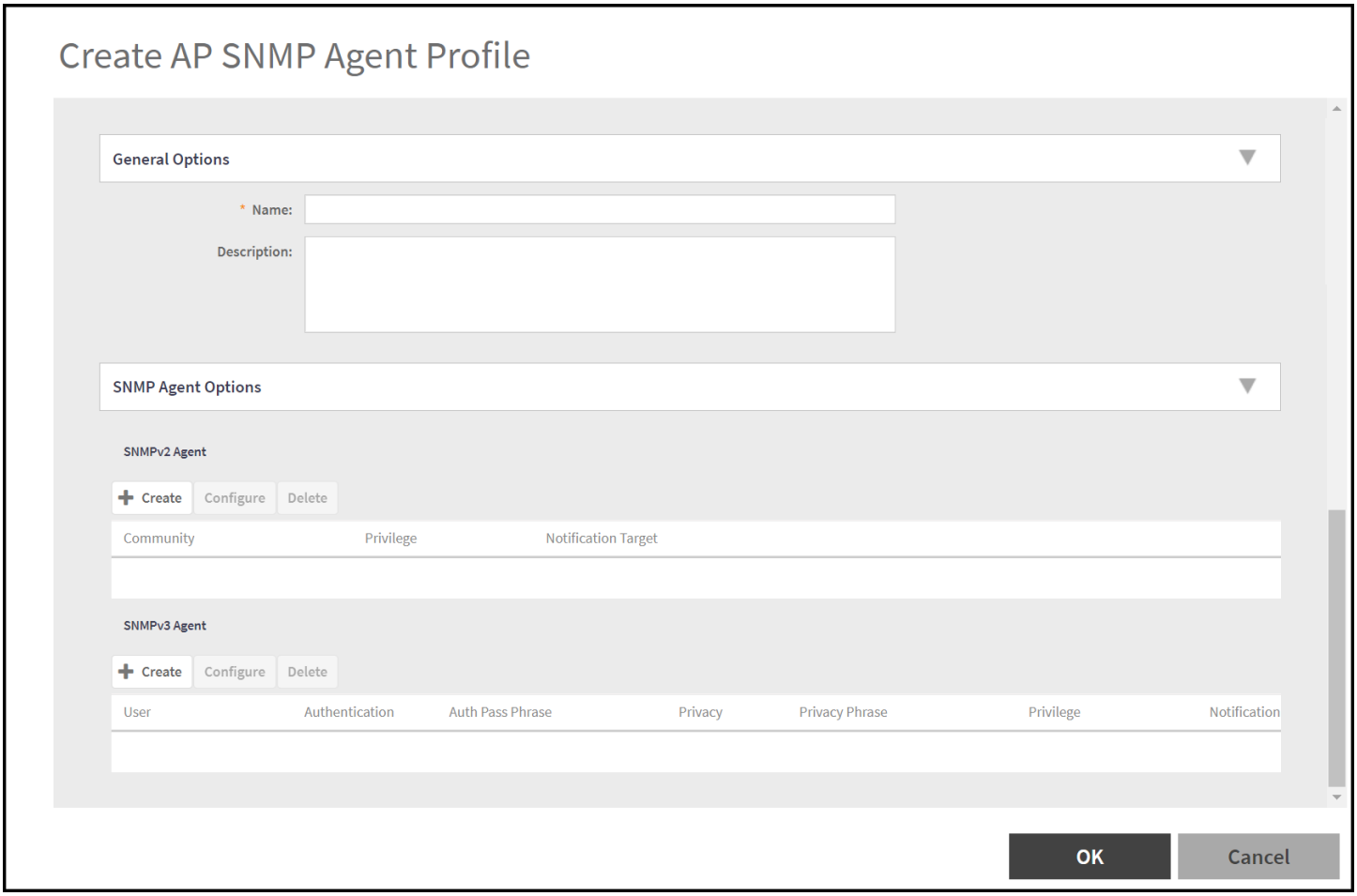


Config Type - AP SNMP Agent Profile

After enabling the AP SNMP radio button, **Config Type** option is highlighted. Select config type **AP SNMP Agent Profile**. This displays **AP SNMP Agent ProfileAdd (+)** and **Edit** button.

1. To create **AP SNMP Agent Profile**, click **Add (+)**. This displays **Create AP SNMP Agent Profile**.
2. **General Options** - Enter the **Name** and **Description** for **AP SNMP Agent Profile**.
3. **SNMP Agent Options** - User can create/configure/delete **SNMPv2 Agent** and **SNMPv3 Agent** as described in the **Config Type - Custom**section.

FIGURE 8 Enable AP SNMP Agent Profile



Option 2 - CLI Console

Using the CLI console login with your administrator user credentials. Execute the common settings AP SNMP options to enable the SNMP agents as seen in the following figure. This setting will be applied to all APs connected to the controller.

FIGURE 9 Enabling SNMP options using CLI

```
NMS32(config)# zone  NMS_Zone1_POE

NMS32(config-zone)# ap-snmp-options

NMS32(config-zone-ap-snmp-options)# ap-snmp

NMS32(config-zone-ap-snmp-options)# snmp-v
snmp-v2-community    snmp-v3-user

NMS32(config-zone-ap-snmp-options)# snmp-v2-community admin

NMS32(config-zone-ap-snmp-options-snmp-v2-community)# read

NMS32(config-zone-ap-snmp-options-snmp-v2-community)# write

NMS32(config-zone-ap-snmp-options-snmp-v2-community)# exit
Do you want to save this context configuration (or input 'no' to cancel)? [yes/no] yes

NMS32(config-zone-ap-snmp-options)# exit
Do you want to save this context configuration (or input 'no' to cancel)? [yes/no] yes

NMS32(config-zone)# exit
Do you want to update this context configuration (or input 'no' to cancel)? [yes/no] yes

NMS32(config)#
```

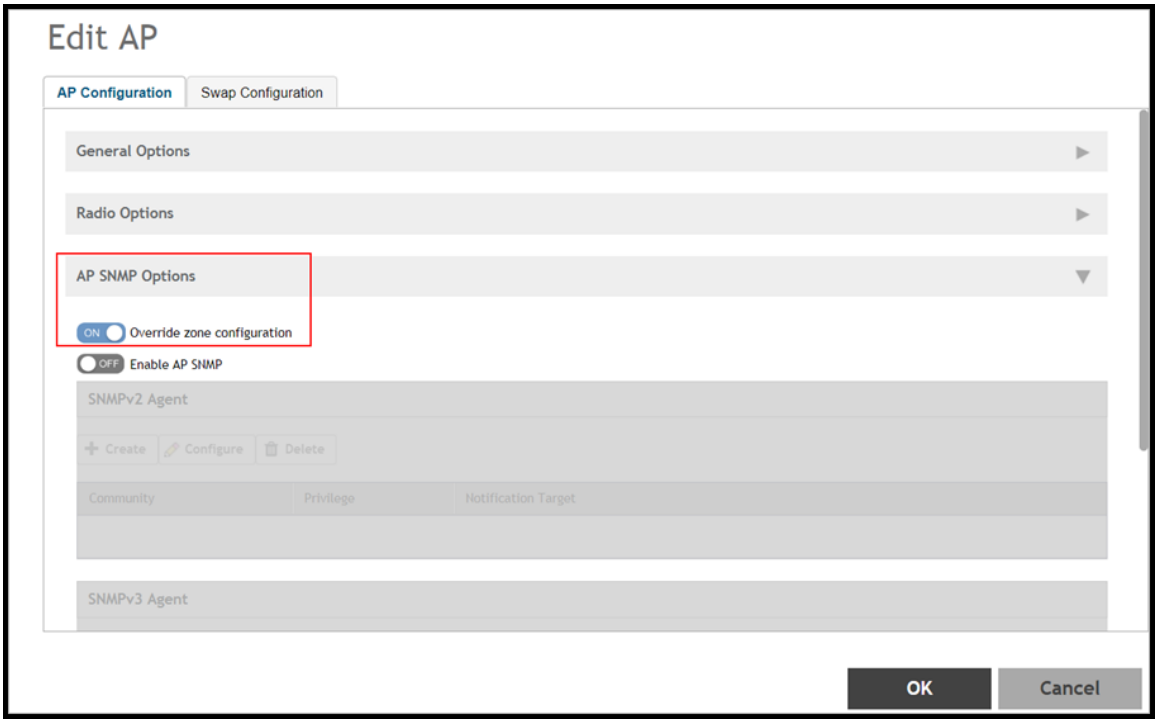
Enable Override Settings

If you want to set up a different policy for a specific AP, you need to enable the override option for a particular AP or for a AP Group.

Option 1 - User Interface

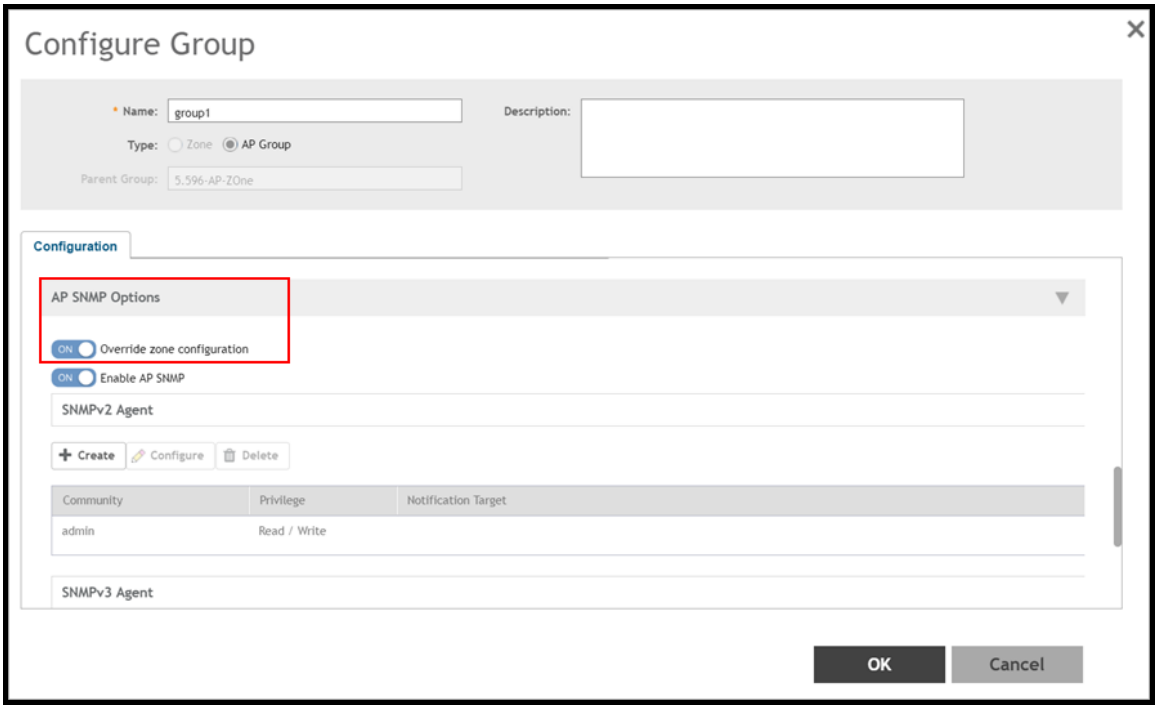
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to enable the *Override* option for a particular AP as seen in the following figure.

FIGURE 10 Setting the Override option for a particular AP



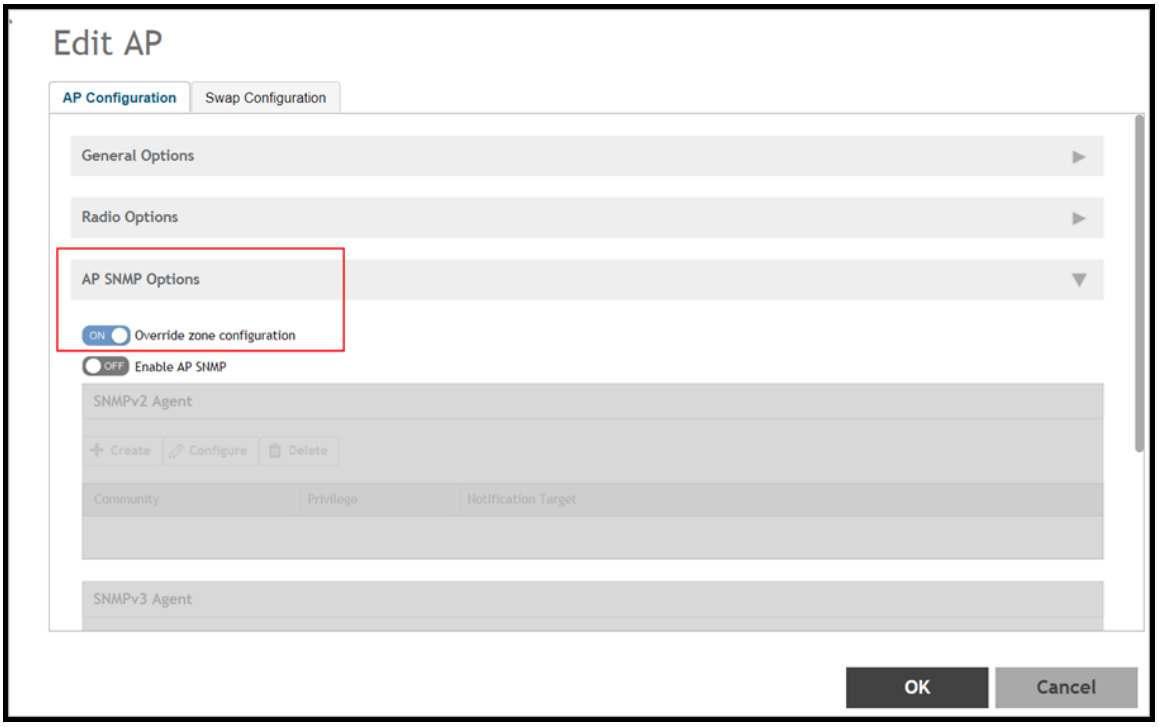
Using the controller interface navigate to **Access Points**. Select the AP Group and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to enable the *Override* option for a particular AP Group in an AP as seen in the below figure.

FIGURE 11 Setting the Override option for a AP Group



Using the controller interface navigate to **Access Points**. Select the Zone and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to enable the *Override* option for a particular Zone in an AP as seen in the below figure.

FIGURE 12 Setting the Override option for Zone in an AP



Option 2 - CLI Console

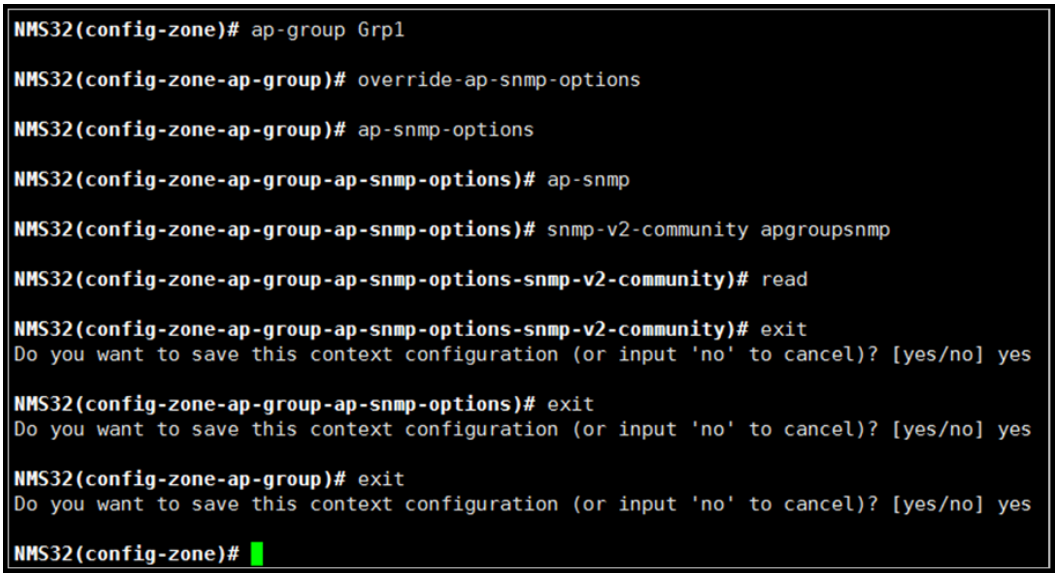
Login to CLI console with your administrator user credentials. Execute the common settings commands as seen in the following figure. This setting will be applied to a particular AP.

FIGURE 13 Setting the Override option using CLI for a AP

```
NMS32(config)# ap 2C:C5:D3:01:85:40

NMS32(config-ap)# override-ap-snmp-options

NMS32(config-ap)# ap-snmp-options

NMS32(config-ap-ap-snmp-options)# ap-snmp

NMS32(config-ap-ap-snmp-options)# snmp-v2-community test

NMS32(config-ap-ap-snmp-options-snmp-v2-community)# read

NMS32(config-ap-ap-snmp-options-snmp-v2-community)# exit
Do you want to save this context configuration (or input 'no' to cancel)? [yes/no] yes

NMS32(config-ap-ap-snmp-options)# yes
NMS32(config-ap-ap-snmp-options)# exit
Do you want to save this context configuration (or input 'no' to cancel)? [yes/no] yes

NMS32(config-ap)#
```

Login to CLI console with your administrator user credentials. Execute the common settings commands as seen in the following figure. This setting will be applied to a AP Group.

FIGURE 14 Setting the Override option using CLI for a AP Group

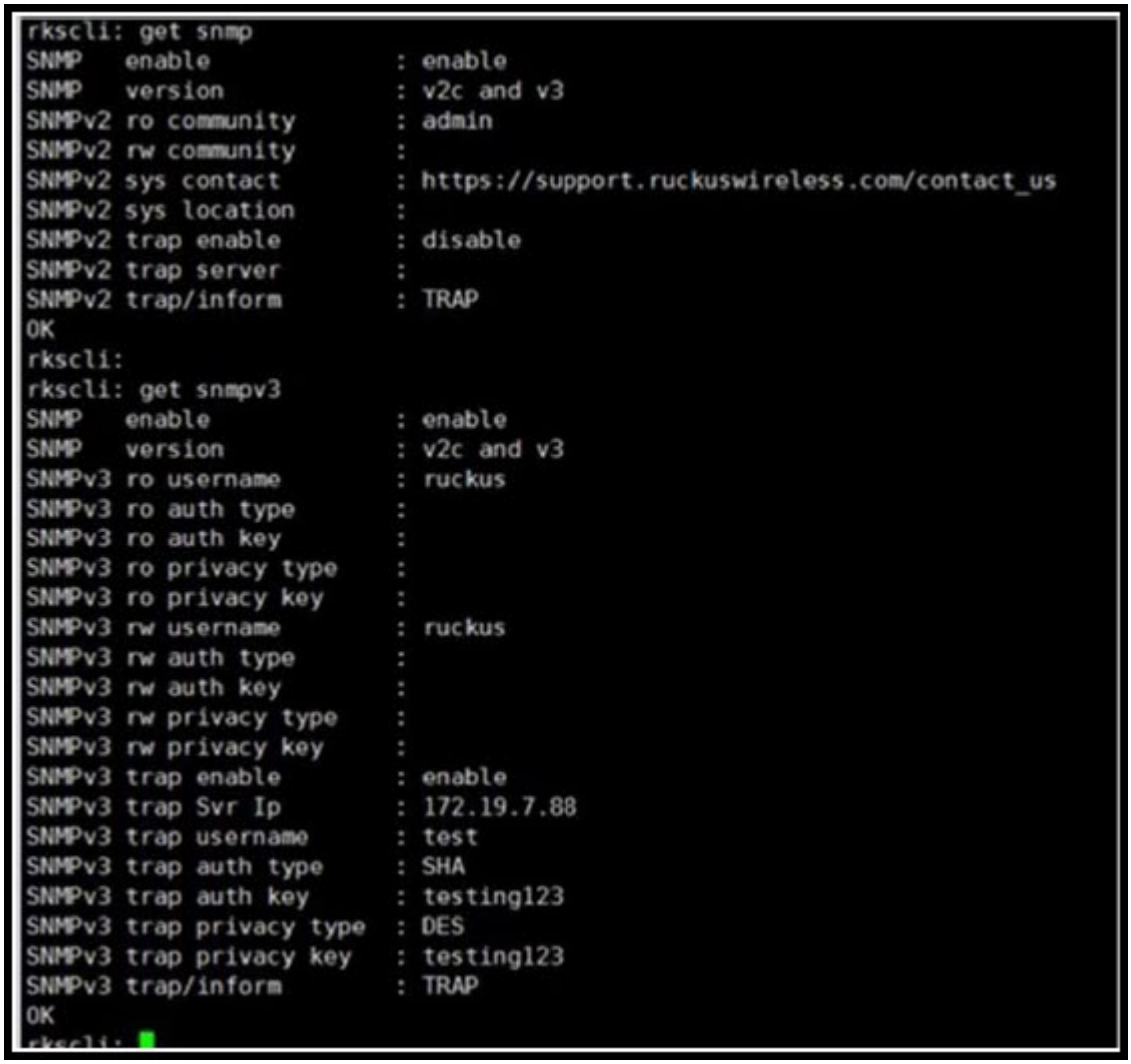


Apart from that, you can not only enable or disable SNMP, but also configure SNMPv2/v3 communities.

View SNMP Configuration

To view the SNMP configurations applied to Access Points, login to AP CLI console. Execute the command `GET SNMP` as shown in the following figure.

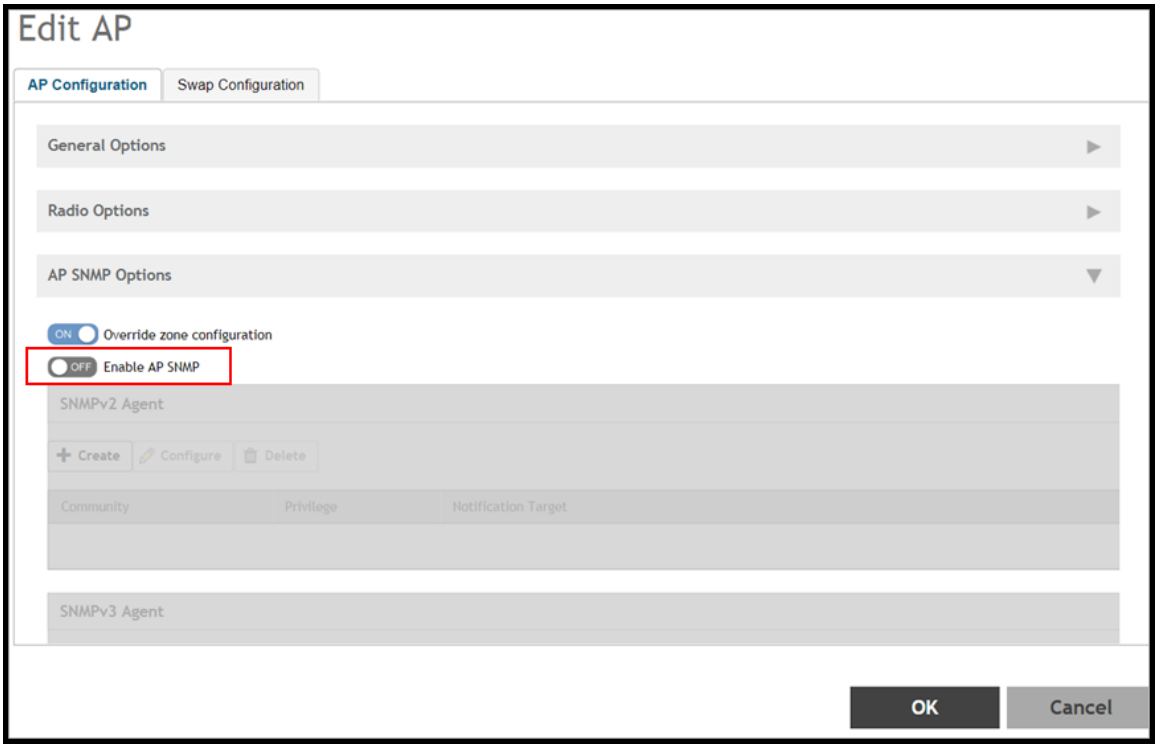
FIGURE 15 AP GET SNMP



Disable SNMP Agents

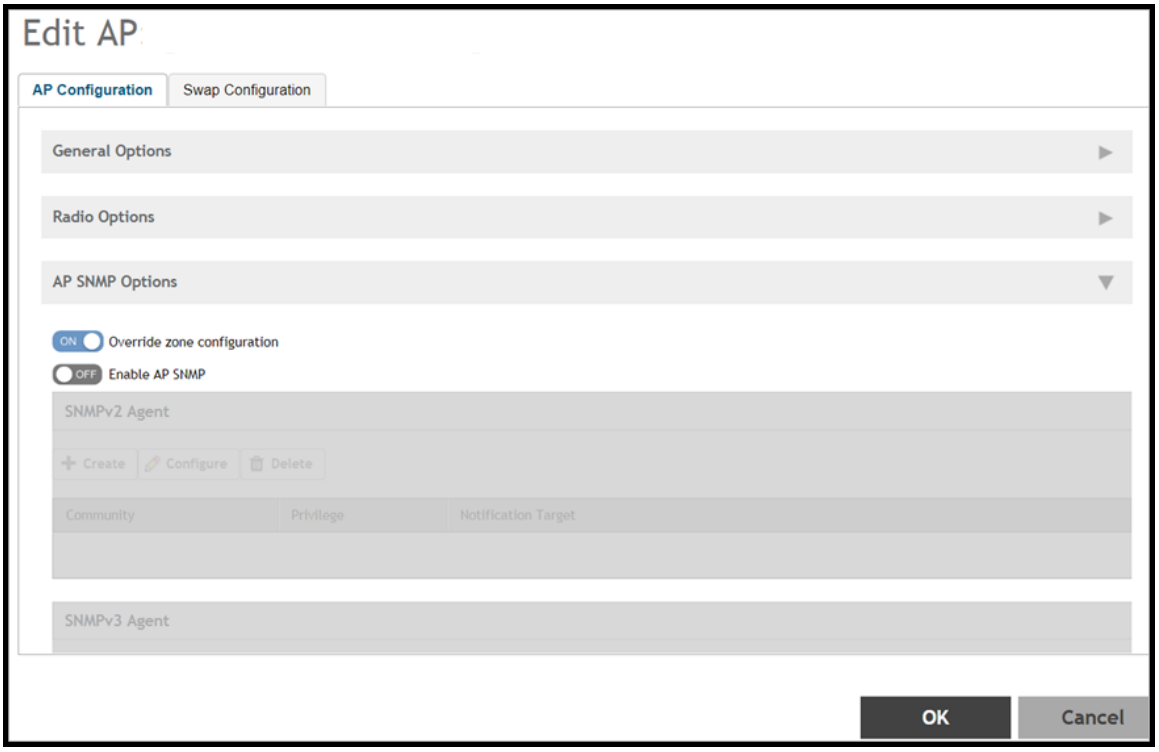
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 16 Disable AP SNMP for all APs



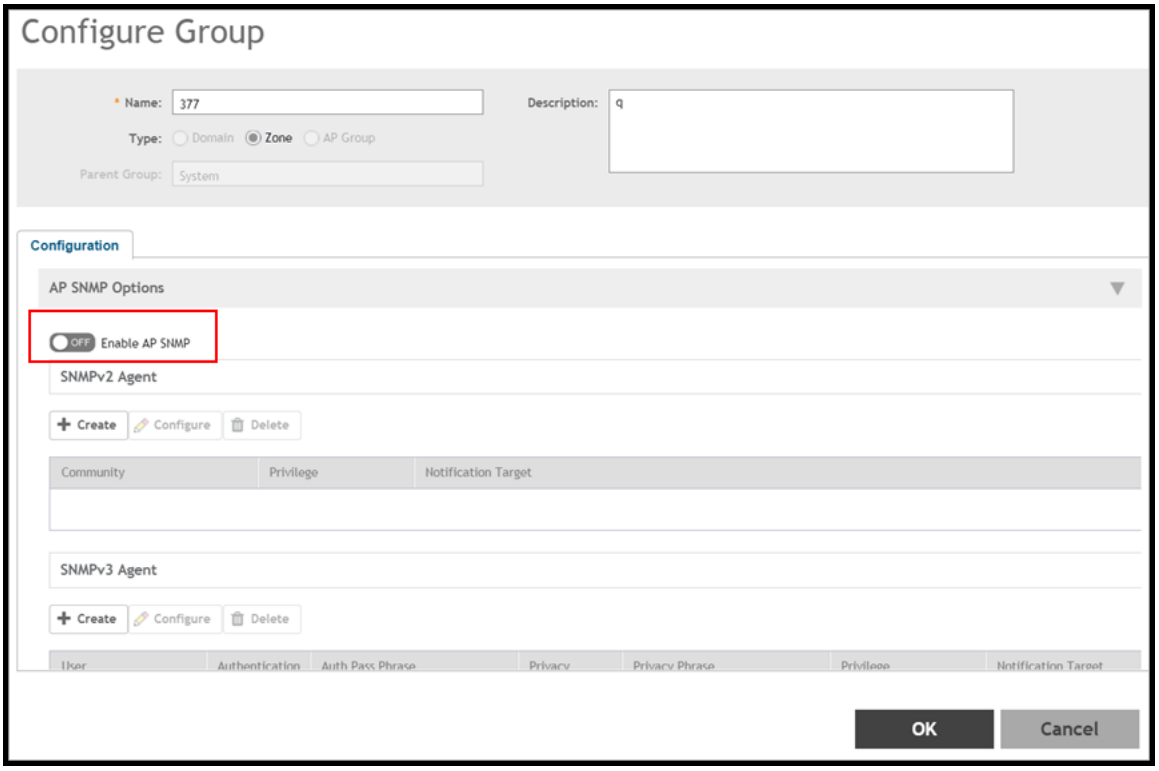
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option in a Zone for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 17 Disable AP SNMP for APs in a AP Zone



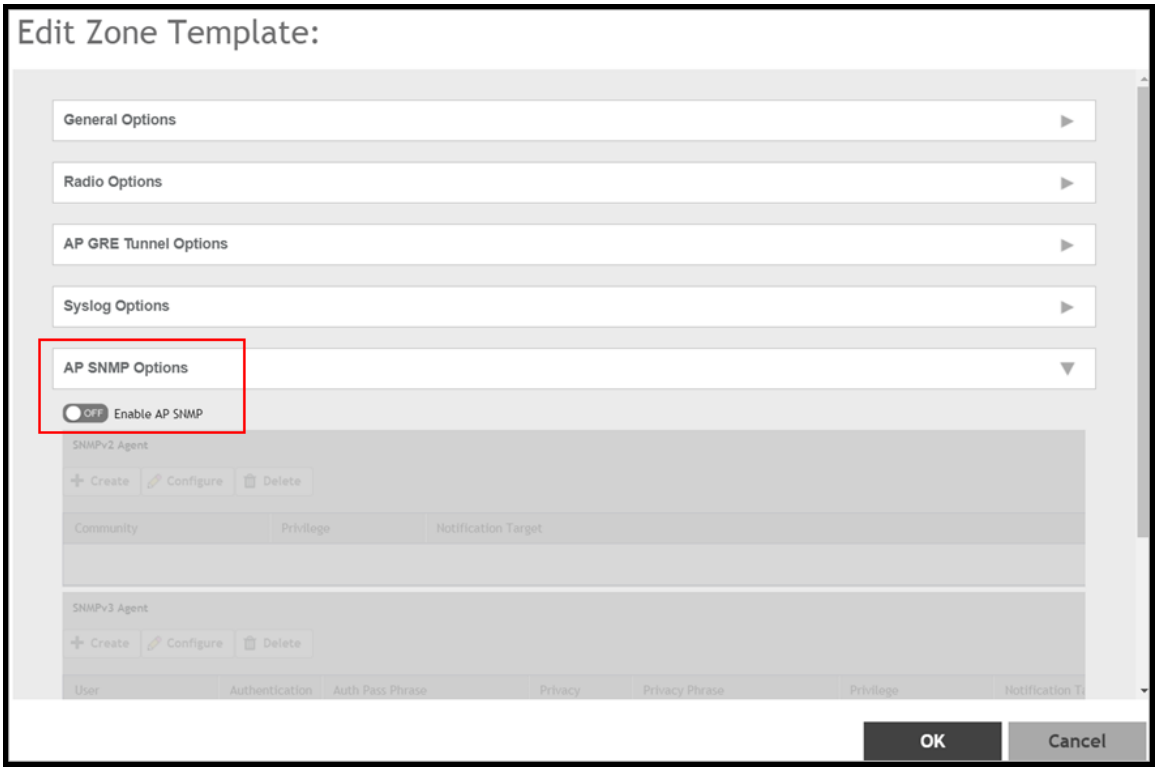
Using the controller interface navigate to **Access Points**. Select the AP Group and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option in a AP Group for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 18 Disable AP SNMP for AP Group in a AP Zone



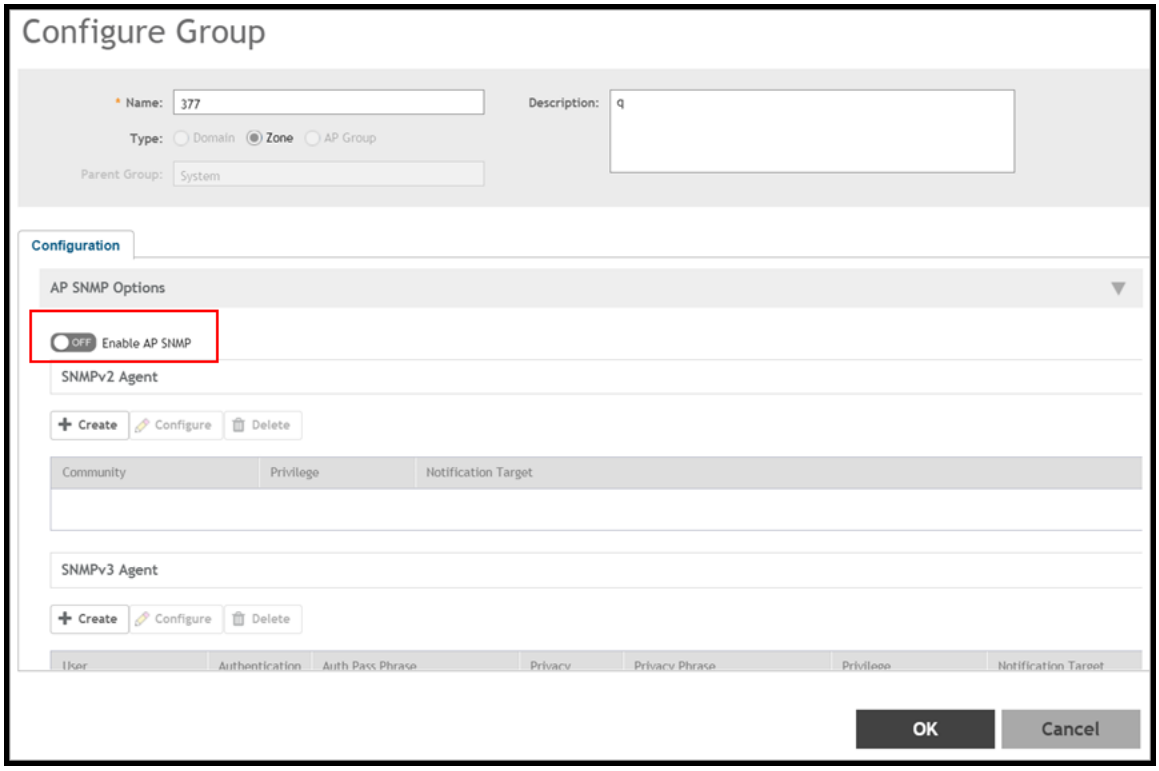
To disable AP SNMP for AP Zone in Zone Template navigate to the controller user interface **System** > **Templates** > **Zone Template**. Select the required zone template and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 19 Disable AP SNMP for AP Zone in a AP Zone Template



To disable AP SNMP for an AP Zone in a Zone Template pertaining to AP Groups navigate to the controller user interface **Access Points.** . Select the AP Group and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option in a AP Group for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 20 Disable AP SNMP for AP Zone in a AP Zone Template in AP Group



Using SNMP Walk Scripts

The following procedure helps you in creating sample shell scripts to query all entries in RuckusCtrlAp related tables (AP, AP Radio, AP WLAN).

Steps for using SNMP Walk Scripts

The following are the steps for using SNMP walk scripts.

1. Get the MAC list using ruckusCTRLSummaryApTable
2. Translate all output MAC addresses in the OID format
3. Utilize SNMP cache. It gets all the attributes (based on the rows first and not column) of an AP through snmpget or snmpwalk.

   Do retry for unsuccessful APs if required.

   NOTE
   The below scripts are example codes for walking through all the APs in the controller.

Setup Environment

The following is the requirement to setup the required environment.

- **Shell**: Dash or bash
- **Operating System**: Linux

Procedure

1. Install NET SNMP client tools (snmpget and snmpwalk) by referring to http://www.net-snmp.org/download.html.
2. Save the downloaded MIB files in the MIB directory.
3. Ensure that the following MIB files are installed in the system
   a. IANAifType-MIB
   b. IF-MIB
   c. IPV6-TC
   d. SNMPv2-CONF
   e. SNMPv2-SMI
   f. SNMPv2-TC

Installing SNMP Client Tool

Execute the following script to install SNMP client using:

Ubuntu

```
apt-get install snmp
```

RedHat

```
yum install net-snmp net-snmp-libs net-snmp-utils
```

Ruckus MIB files in the MIB directory

Execute the following script to save the Ruckus MIB files in the MIB directory using:

Ubuntu and RedHat

```
cd RUCKUS_MIB_Directory
sudo cp RUCKUS-*.txt /usr/share/snmp/mibs/
```

Usage

Execute the following script to use the Ruckus MIB files.

```
sh <sample_script>.sh <SZ IP address> <snmpcmd options>
```

SNMP CMD Options

Refer to the OPTIONS section in http://net-snmp.sourceforge.net/docs/man/snmpcmd.html. For example, using SNMPv2 with read community *public* for controller with the IP address 172.17.1.2.

```
sh walk_ruckusCTRLApTable_sample.sh 172.17.1.2 -mall -v2c -c public

where -mall is an option required for these scripts or you may not be able to get the results.
```

Tips for Writing Your Own Scripts

1. Use -Oe with snmpget/snmpwalk to output index(MAC address) in OID format.
2. snmpget can send 128 OIDs at a time.
3. Always get all OIDs of the same AP first, instead of OIDs for all APs.

4. AP related tables cache data for 15 seconds. This means that you may get the same result if you do not wait for cache timeout.
5. You can use NET-SNMP-AGENT-MIB::nsCacheStatus to check cache status of a table. If your system supports snmpset, you can also force it to clean cache via snmpset.
6. Be careful with the output format. Refer to OUTPUT OPTIONS link http://net-snmp.sourceforge.net/docs/man/snmpcmd.html

Ruckus Event MIB

Introduction

The objects contained in the RUCKUS-SZ-EVENT-MIB group provide information about the controller supported traps.

NOTE
For details on alarms and events refer to *SmartZone Alarms and Events Guide*.

Ruckus Event Trap

The following table lists the MIB, OID, and description of each object in the RUCKUS-SZ group.

Trap Name	Object Identifier
ruckusSZUpgradeSuccessTrap on page 53	.1.3.6.1.4.1.25053.2.10.1.2
ruckusSZUpgradeFailedTrap on page 53	.1.3.6.1.4.1.25053.2.10.1.3
ruckusSZNodeRestartedTrap on page 54	.1.3.6.1.4.1.25053.2.10.1.4
ruckusSZNodeShutdownTrap on page 54	.1.3.6.1.4.1.25053.2.10.1.5
ruckusSZCPUUsageThresholdExceededTrap on page 55	.1.3.6.1.4.1.25053.2.10.1.6
ruckusSZMemoryUsageThresholdExceededTrap on page 55	.1.3.6.1.4.1.25053.2.10.1.7
ruckusSZDiskUsageThresholdExceededTrap on page 56	.1.3.6.1.4.1.25053.2.10.1.8
ruckusSZLicenseUsageThresholdExceededTrap on page 56	.1.3.6.1.4.1.25053.2.10.1.19
ruckusSZAPMiscEventTrap on page 56	.1.3.6.1.4.1.25053.2.10.1.20
ruckusSZAPConnectedTrap on page 57	.1.3.6.1.4.1.25053.2.10.1.21
ruckusSZAPDeletedTrap on page 58	.1.3.6.1.4.1.25053.2.10.1.22
ruckusSZAPDisconnectedTrap on page 58	.1.3.6.1.4.1.25053.2.10.1.23
ruckusSZAPLostHeartbeatTrap on page 59	.1.3.6.1.4.1.25053.2.10.1.24
ruckusSZAPRebootTrap on page 59	.1.3.6.1.4.1.25053.2.10.1.25
ruckusSZCriticalAPConnectedTrap on page 60	.1.3.6.1.4.1.25053.2.10.1.26
ruckusSZCriticalAPDisconnectedTrap on page 61	.1.3.6.1.4.1.25053.2.10.1.27
ruckusSZAPRejectedTrap on page 61	.1.3.6.1.4.1.25053.2.10.1.28
ruckusSZAPConfUpdateFailedTrap on page 62	.1.3.6.1.4.1.25053.2.10.1.29
ruckusSZAPConfUpdatedTrap on page 62	.1.3.6.1.4.1.25053.2.10.1.30
ruckusSZAPSwapOutModelDiffTrap on page 63	.1.3.6.1.4.1.25053.2.10.1.31
ruckusSZAPPreProvisionModelDiffTrap on page 64	.1.3.6.1.4.1.25053.2.10.1.32
ruckusSZAPFirmwareUpdateFailedTrap on page 64	.1.3.6.1.4.1.25053.2.10.1.34
ruckusSZAPFirmwareUpdatedTrap on page 65	.1.3.6.1.4.1.25053.2.10.1.35
ruckusSZAPWlanOversubscribedTrap on page 65	.1.3.6.1.4.1.25053.2.10.1.36

Trap Name	Object Identifier
ruckusSZAPFactoryResetTrap on page 66	.1.3.6.1.4.1.25053.2.10.1.37
ruckusSZCableModemDownTrap on page 66	.1.3.6.1.4.1.25053.2.10.1.38
ruckusSZCableModemRebootTrap on page 67	.1.3.6.1.4.1.25053.2.10.1.39
ruckusSZAPManagedTrap on page 68	.1.3.6.1.4.1.25053.2.10.1.41
ruckusSZCPUUsageThresholdBackToNormalTrap on page 68	.1.3.6.1.4.1.25053.2.10.1.42
ruckusSZMemoryUsageThresholdBackToNormalTrap on page 69	.1.3.6.1.4.1.25053.2.10.1.43
ruckusSZDiskUsageThresholdBackToNormalTrap on page 69	.1.3.6.1.4.1.25053.2.10.1.44
ruckusSZCableModemUpTrap on page 69	.1.3.6.1.4.1.25053.2.10.1.45
ruckusSZAPDiscoverySuccessTrap on page 70	.1.3.6.1.4.1.25053.2.10.1.46
ruckusSZCMResetByUserTrap on page 71	.1.3.6.1.4.1.25053.2.10.1.47
ruckusSZCMResetFactoryByUserTrap on page 71	.1.3.6.1.4.1.25053.2.10.1.48
ruckusSZMaliciousRogueAPTimeoutTrap on page 72	.1.3.6.1.4.1.25053.2.10.1.54
ruckusSZAPLBSConnectSuccessTrap on page 72	.1.3.6.1.4.1.25053.2.10.1.55
ruckusSZAPLBSNoResponsesTrap on page 73	.1.3.6.1.4.1.25053.2.10.1.56
ruckusSZAPLBSAuthFailedTrap on page 74	.1.3.6.1.4.1.25053.2.10.1.57
ruckusSZAPLBSConnectFailedTrap on page 74	.1.3.6.1.4.1.25053.2.10.1.58
ruckusSZAPTunnelBuildFailedTrap on page 75	.1.3.6.1.4.1.25053.2.10.1.60
ruckusSZAPTunnelBuildSuccessTrap on page 76	.1.3.6.1.4.1.25053.2.10.1.61
ruckusSZAPTunnelDisconnectedTrap on page 77	.1.3.6.1.4.1.25053.2.10.1.62
ruckusSZAPSoftGRETunnelFailoverPtoSTrap on page 77	.1.3.6.1.4.1.25053.2.10.1.65
ruckusSZAPSoftGRETunnelFailoverStoPTrap on page 78	.1.3.6.1.4.1.25053.2.10.1.66
ruckusSZAPSoftGREGatewayNotReachableTrap on page 79	.1.3.6.1.4.1.25053.2.10.1.67
ruckusSZAPSoftGREGatewayReachableTrap on page 79	.1.3.6.1.4.1.25053.2.10.1.68
ruckusSZDPConfUpdateFailedTrap on page 80	.1.3.6.1.4.1.25053.2.10.1.70
ruckusSZDPLostHeartbeatTrap on page 80	.1.3.6.1.4.1.25053.2.10.1.71
ruckusSZDPDisconnectedTrap on page 81	.1.3.6.1.4.1.25053.2.10.1.72
ruckusSZDPPhyInterfaceDownTrap on page 81	.1.3.6.1.4.1.25053.2.10.1.73
ruckusSZDPStatusUpdateFailedTrap on page 82	.1.3.6.1.4.1.25053.2.10.1.74
ruckusSZDPStatisticUpdateFaliedTrap on page 82	.1.3.6.1.4.1.25053.2.10.1.75
ruckusSZDPConnectedTrap on page 83	.1.3.6.1.4.1.25053.2.10.1.76
ruckusSZDPPhyInterfaceUpTrap on page 83	.1.3.6.1.4.1.25053.2.10.1.77
ruckusSZDPConfUpdatedTrap on page 83	.1.3.6.1.4.1.25053.2.10.1.78
ruckusSZDPTunnelTearDownTrap on page 84	.1.3.6.1.4.1.25053.2.10.1.79
ruckusSZDPAcceptTunnelRequestTrap on page 84	.1.3.6.1.4.1.25053.2.10.1.81
ruckusSZDPRejectTunnelRequestTrap on page 85	.1.3.6.1.4.1.25053.2.10.1.82
ruckusSZDPTunnelSetUpTrap on page 85	.1.3.6.1.4.1.25053.2.10.1.85
ruckusSZDPDiscoverySuccessTrap on page 85	.1.3.6.1.4.1.25053.2.10.1.86
ruckusSZDPDiscoveryFailTrap on page 86	.1.3.6.1.4.1.25053.2.10.1.87
ruckusSZDPPktPoolLowTrap on page 51	1.3.6.1.4.1.25053.2.11.1.90
ruckusSZDPPktPoolCriticalLowTrap on page 52	1.3.6.1.4.1.25053.2.11.1.91
ruckusSZDPPktPoolRecoverTrap on page 52	1.3.6.1.4.1.25053.2.11.1.92
ruckusSZDPCoreDeadTrap on page 53	1.3.6.1.4.1.25053.2.11.1.93

Trap Name	Object Identifier
ruckusSZDPDeletedTrap on page 86	.1.3.6.1.4.1.25053.2.10.1.94
ruckusSZDPUpgradeStartTrap on page 87	.1.3.6.1.4.1.25053.2.10.1.95
ruckusSZDPUpgradingTrap on page 87	.1.3.6.1.4.1.25053.2.10.1.96
ruckusSZDPUpgradeSuccessTrap on page 87	.1.3.6.1.4.1.25053.2.10.1.97
ruckusSZDPUpgradeFailedTrap on page 88	.1.3.6.1.4.1.25053.2.10.1.98
ruckusSZClientMiscEventTrap on page 88	.1.3.6.1.4.1.25053.2.10.1.100
ruckusSZNodeJoinFailedTrap on page 88	.1.3.6.1.4.1.25053.2.10.1.200
ruckusSZNodeRemoveFailedTrap on page 89	.1.3.6.1.4.1.25053.2.10.1.201
ruckusSZNodeOutOfServiceTrap on page 89	.1.3.6.1.4.1.25053.2.10.1.202
ruckusSZClusterInMaintenanceStateTrap on page 90	.1.3.6.1.4.1.25053.2.10.1.203
ruckusSZClusterBackupFailedTrap on page 90	.1.3.6.1.4.1.25053.2.10.1.204
ruckusSZClusterRestoreFailedTrap on page 91	.1.3.6.1.4.1.25053.2.10.1.205
ruckusSZClusterAppStoppedTrap on page 91	.1.3.6.1.4.1.25053.2.10.1.206
ruckusSZNodeBondInterfaceDownTrap on page 92	.1.3.6.1.4.1.25053.2.10.1.207
ruckusSZNodePhyInterfaceDownTrap on page 92	.1.3.6.1.4.1.25053.2.10.1.208
ruckusSZClusterLeaderChangedTrap on page 93	.1.3.6.1.4.1.25053.2.10.1.209
ruckusSZClusterUpgradeSuccessTrap on page 93	.1.3.6.1.4.1.25053.2.10.1.210
ruckusSZNodeBondInterfaceUpTrap on page 93	.1.3.6.1.4.1.25053.2.10.1.211
ruckusSZNodePhyInterfaceUpTrap on page 94	.1.3.6.1.4.1.25053.2.10.1.212
ruckusSZClusterBackToInServiceTrap on page 94	.1.3.6.1.4.1.25053.2.10.1.216
ruckusSZBackupClusterSuccessTrap on page 95	.1.3.6.1.4.1.25053.2.10.1.217
ruckusSZNodeJoinSuccessTrap on page 95	.1.3.6.1.4.1.25053.2.10.1.218
ruckusSZClusterAppStartTrap on page 95	.1.3.6.1.4.1.25053.2.10.1.219
ruckusSZNodeRemoveSuccessTrap on page 96	.1.3.6.1.4.1.25053.2.10.1.220
ruckusSZClusterRestoreSuccessTrap on page 96	.1.3.6.1.4.1.25053.2.10.1.221
ruckusSZNodeBackToInServiceTrap on page 97	.1.3.6.1.4.1.25053.2.10.1.222
ruckusSZSshTunnelSwitchedTrap on page 97	.1.3.6.1.4.1.25053.2.10.1.223
ruckusSZClusterCfgBackupStartTrap on page 97	.1.3.6.1.4.1.25053.2.10.1.224
ruckusSZClusterCfgBackupSuccessTrap on page 98	.1.3.6.1.4.1.25053.2.10.1.225
ruckusSZClusterCfgBackupFailedTrap on page 98	.1.3.6.1.4.1.25053.2.10.1.226
ruckusSZClusterCfgRestoreSuccessTrap on page 99	.1.3.6.1.4.1.25053.2.10.1.227
ruckusSZClusterCfgRestoreFailedTrap on page 99	.1.3.6.1.4.1.25053.2.10.1.228
ruckusSZClusterUploadSuccessTrap on page 99	.1.3.6.1.4.1.25053.2.10.1.229
ruckusSZClusterUploadFailedTrap on page 100	.1.3.6.1.4.1.25053.2.10.1.230
ruckusSZClusterOutOfServiceTrap on page 100	.1.3.6.1.4.1.25053.2.10.1.231
ruckusSZClusterUploadVDPFirmwareStartTrap on page 100	.1.3.6.1.4.1.25053.2.10.1.232
ruckusSZClusterUploadVDPFirmwareSuccessTrap on page 101	.1.3.6.1.4.1.25053.2.10.1.233
ruckusSZClusterUploadVDPFirmwareFailedTrap on page 101	.1.3.6.1.4.1.25053.2.10.1.234
ruckusSZIpmiTempBBTrap on page 101	.1.3.6.1.4.1.25053.2.10.1.251
ruckusSZIpmiTempPTrap on page 102	.1.3.6.1.4.1.25053.2.10.1.256
ruckusSZIpmiFanTrap on page 102	.1.3.6.1.4.1.25053.2.10.1.258
ruckusSZIpmiFanStatusTrap on page 103	.1.3.6.1.4.1.25053.2.10.1.261

Trap Name	Object Identifier
ruckusSZIpmiRETempBBTrap on page 103	.1.3.6.1.4.1.25053.2.10.1.265
ruckusSZIpmiRETempPTrap on page 104	.1.3.6.1.4.1.25053.2.10.1.270
ruckusSZIpmiREFanTrap on page 104	.1.3.6.1.4.1.25053.2.10.1.272
ruckusSZIpmiREFanStatusTrap on page 105	.1.3.6.1.4.1.25053.2.10.1.275
ruckusSZFtpTransferErrorTrap on page 105	.1.3.6.1.4.1.25053.2.10.1.280
ruckusSZSystemLBSConnectSuccessTrap on page 108	.1.3.6.1.4.1.25053.2.10.1.290
ruckusSZAPLBSNoResponsesTrap on page 73	.1.3.6.1.4.1.25053.2.10.1.291
ruckusSZSystemLBSNoResponseTrap on page 109	.1.3.6.1.4.1.25053.2.10.1.292
ruckusSZSystemLBSAuthFailedTrap on page 109	.1.3.6.1.4.1.25053.2.10.1.293
ruckusSZProcessRestartTrap on page 110	.1.3.6.1.4.1.25053.2.10.1.300
ruckusSZServiceUnavailableTrap on page 110	.1.3.6.1.4.1.25053.2.10.1.301
ruckusSZKeepAliveFailureTrap on page 111	.1.3.6.1.4.1.25053.2.10.1.302
ruckusSZResourceUnavailableTrap on page 111	.1.3.6.1.4.1.25053.2.10.1.304
ruckusSZSmfRegFailedTrap on page 112	.1.3.6.1.4.1.25053.2.10.1.305
ruckusSZHipFailoverTrap on page 112	.1.3.6.1.4.1.25053.2.10.1.306
ruckusSZAPConfUpdateFailedTrap on page 62	.1.3.6.1.4.1.25053.2.10.1.307
ruckusSZConfRcvFailedTrap on page 113	.1.3.6.1.4.1.25053.2.10.1.308
ruckusSZLostCnxnToDbladeTrap on page 114	.1.3.6.1.4.1.25053.2.10.1.309
ruckusSZAuthSrvrNotReachableTrap on page 114	.1.3.6.1.4.1.25053.2.10.1.314
ruckusSZAuthFailedNonPermanentIDTrap on page 115	.1.3.6.1.4.1.25053.2.10.1.317
ruckusSZAPAcctRespWhileInvalidConfigTrap on page 116	.1.3.6.1.4.1.25053.2.10.1.347
ruckusSZAPAcctMsgDropNoAcctStartMsgTrap on page 116	.1.3.6.1.4.1.25053.2.10.1.348
ruckusSZUnauthorizedCoaDmMessageDroppedTrap on page 117	.1.3.6.1.4.1.25053.2.10.1.349
ruckusSZConnectedToDbladeTrap on page 117	.1.3.6.1.4.1.25053.2.10.1.350
ruckusSZSessUpdatedAtDbladeTrap on page 117	.1.3.6.1.4.1.25053.2.10.1.354
ruckusSZSessUpdateErrAtDbladeTrap on page 118	.1.3.6.1.4.1.25053.2.10.1.355
ruckusSZSessDeletedAtDbladeTrap on page 118	.1.3.6.1.4.1.25053.2.10.1.356
ruckusSZSessDeleteErrAtDbladeTrap on page 119	.1.3.6.1.4.1.25053.2.10.1.357
ruckusSZLicenseSyncSuccessTrap on page 119	.1.3.6.1.4.1.25053.2.10.1.358
ruckusSZLicenseSyncFailedTrap on page 120	.1.3.6.1.4.1.25053.2.10.1.359
ruckusSZLicenseImportSuccessTrap on page 120	.1.3.6.1.4.1.25053.2.10.1.360
ruckusSZLicenseImportFailedTrap on page 121	.1.3.6.1.4.1.25053.2.10.1.361
ruckusSZSyslogServerReachableTrap on page 121	.1.3.6.1.4.1.25053.2.10.1.370
ruckusSZSyslogServerUnreachableTrap on page 121	.1.3.6.1.4.1.25053.2.10.1.371
ruckusSZSyslogServerSwitchedTrap on page 122	.1.3.6.1.4.1.25053.2.10.1.372
ruckusSZAPRadiusServerUnreachableTrap on page 123	.1.3.6.1.4.1.25053.2.10.1.401
ruckusSZAPLDAPServerReachableTrap on page 123	.1.3.6.1.4.1.25053.2.10.1.402
ruckusSZAPLDAPServerUnreachableTrap on page 124	.1.3.6.1.4.1.25053.2.10.1.403
ruckusSZAPADServerReachableTrap on page 125	.1.3.6.1.4.1.25053.2.10.1.404
ruckusSZAPUsbSoftwarePackageDownloadedTrap on page 126	.1.3.6.1.4.1.25053.2.10.1.406
ruckusSZAPUsbSoftwarePackageDownloadFailedTrap on page 127	.1.3.6.1.4.1.25053.2.10.1.407
ruckusSZEspAuthServerReachableTrap on page 127	.1.3.6.1.4.1.25053.2.10.1.408

Trap Name	Object Identifier
ruckusSZEspAuthServerUnreachableTrap on page 128	.1.3.6.1.4.1.25053.2.10.1.409
ruckusSZEspAuthServerResolvableTrap on page 129	.1.3.6.1.4.1.25053.2.10.1.410
ruckusSZEspAuthServerUnResolvableTrap on page 129	.1.3.6.1.4.1.25053.2.10.1.411
ruckusSZEspAuthServerReachableTrap on page 127	.1.3.6.1.4.1.25053.2.10.1.412
ruckusSZEspDNATServerUnreachableTrap on page 131	.1.3.6.1.4.1.25053.2.10.1.413
ruckusSZEspDNATServerResolvableTrap on page 131	.1.3.6.1.4.1.25053.2.10.1.414
ruckusSZEspDNATServerUnresolvableTrap on page 132	.1.3.6.1.4.1.25053.2.10.1.415
ruckusRateLimitTORSurpassedTrap on page 133	.1.3.6.1.4.1.25053.2.10.1.500
ruckusSZIPSecTunnelAssociatedTrap on page 133	.1.3.6.1.4.1.25053.2.10.1.600
ruckusSZIPSecTunnelDisassociatedTrap on page 134	.1.3.6.1.4.1.25053.2.10.1.601
ruckusSZIPSecTunnelAssociateFailedTrap on page 134	.1.3.6.1.4.1.25053.2.10.1.602
ruckusSZSystemMiscEventTrap on page 265	.1.3.6.1.4.1.25053.2.10.1.1

NOTE
Auto clearance of SNMP trap occurs when a trap is cleared by another trap. The **Cleared by SNMP Trap** row indicates the auto clearance information. All other traps are cleared manually. The **Cleared by Matching** row contains the information that a user can use to clear the corresponding trap.

ruckusSZSystemMiscEventTrap

TABLE 5 ruckusSZSystemMiscEventTrap

Object Name	ruckusSZSystemMiscEventTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.1
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventDescription
Description	Generic trap triggered by administrator specified miscellaneous event. The event severity, event code, event type, event description are displayed.
Generated by Event Code	Refer to SmartZone Event Traps on page 265 - ruckusSZSystemMiscEventTrap on page 265

ruckusSZDPPktPoolLowTrap

TABLE 6 ruckusSZDPPktPoolLowTrap

Object Name	ruckusSZDPPktPoolLowTrap
Object Identifier	1.3.6.1.4.1.25053.2.11.1.90
Trap Severity	Informational

TABLE 6 ruckusSZDPPktPoolLowTrap (continued)

Object Name	ruckusSZDPPktPoolLowTrap
Bindings	ruckusSZEventSeverity ruckusSZEventType ruckusSZDPKey ruckusSZDPPacketPoolID ruckusSZEventCode
Description	This event occurs when data cores packet pool is under low water mark.
Generated by Event Code	516:DPPktPoolLow

ruckusSZDPPktPoolCriticalLowTrap

TABLE 7 ruckusSZDPPktPoolCriticalLowTrap

Object Name	ruckusSZDPPktPoolCriticalLowTrap
Object Identifier	1.3.6.1.4.1.25053.2.11.1.91
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventType ruckusSZDPKey ruckusSZDPPacketPoolID ruckusSZEventCode
Description	This event occurs when data cores packet pool is under critical low water mark.
Generated by Event Code	517:dpPktPoolCriticalLow

ruckusSZDPPktPoolRecoverTrap

TABLE 8 ruckusSZDPPktPoolRecoverTrap

Object Name	ruckusSZDPPktPoolRecoverTrap
Object Identifier	1.3.6.1.4.1.25053.2.11.1.92
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventType ruckusSZDPKey ruckusSZDPPacketPoolID ruckusSZEventCode
Description	This event occurs when data cores packet pool is above high water mark.
Generated by Event Code	518:dpPktPoolRecover

ruckusSZDPCoreDeadTrap

TABLE 9 ruckusSZDPCoreDeadTrap

Object Name	ruckusSZDPCoreDeadTrap
Object Identifier	1.3.6.1.4.1.25053.2.11.1.93
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventType ruckusSZDPKey ruckusSZEventCode
Description	This event occurs when one or more data core is dead.
Generated by Event Code	519:dpCoreDead

ruckusSZUpgradeSuccessTrap

TABLE 10 ruckusSZUpgradeSuccessTrap

Object Name	ruckusSZUpgradeSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.2
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventFirmwareVersion ruckusSZEventUpgradedFirmwareVersion
Description	Triggered by the SmartZone success event. The event severity, event code, event type, node name, MAC address, management IP address, firmware version and upgraded firmware version are displayed.
Generated by Event Code	813:upgradeClusterNodeSuccess

ruckusSZUpgradeFailedTrap

TABLE 11 ruckusSZUpgradeFailedTrap

Object Name	ruckusSZUpgradeFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.3
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventFirmwareVersion ruckusSZEventUpgradedFirmwareVersion

TABLE 11 ruckusSZUpgradeFailedTrap (continued)

Object Name	ruckusSZUpgradeFailedTrap
Description	Triggered by the SmartZone upgrade failure event. The event severity, event code, event type, firmware version and upgraded firmware version are displayed.
Generated by Event Code	815:upgradeClusterFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZUpgradeSuccessTrap on page 53 (. 1.3.6.1.4.1.25053.2.11.1.210).

ruckusSZNodeRestartedTrap

TABLE 12 ruckusSZNodeRestartedTrap

Object Name	ruckusSZNodeRestartedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.4
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventReason
Description	Triggered by the SmartZone restart event. The event severity, event code, event type, node name, MAC address, management IP address and restart reason are displayed.
Generated by Event Code	826:nodeRebooted

ruckusSZNodeShutdownTrap

TABLE 13 ruckusSZNodeShutdownTrap

Object Name	ruckusSZNodeShutdownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.5
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by the SmartZone shutdown event. The event severity, event code, event type, node name, MAC address and management IP address are displayed.
Generated by Event Code	828:nodeShutdown
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodeRestartedTrap on page 54 (. 1.3.6.1.4.1.25053.2.11.1.4).
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZCPUUsageThresholdExceededTrap

TABLE 14 ruckusSZCPUUsageThresholdExceededTrap

Object Name	ruckusSZCPUUsageThresholdExceededTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.6
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZCPUPerc
Description	Triggered by the SmartZone CPU threshold exceeded event. The usage percentage threshold can be configured as 60% to 90%. This trap is sent if the usage percentage exceeds the configured threshold. The event severity, event code, event type, node name, MAC address and CPU usage percentage are displayed.
Generated by Event Code	950:cpuThresholdExceeded
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZCPUUsageThresholdBackToNormalTrap on page 68 (.1.3.6.1.4.1.25053.2.11.1.42)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZMemoryUsageThresholdExceededTrap

TABLE 15 ruckusSZMemoryUsageThresholdExceededTrap

Object Name	ruckusSZMemoryUsageThresholdExceededTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.7
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZMemoryPerc
Description	Triggered by the SmartZone memory threshold exceeded event. The usage percentage threshold can be configured as 60% to 90%. This trap is sent if the usage percentage exceeds the configured threshold. The event severity, event code, event type, node name, MAC address and memory usage percentage are displayed.
Generated by Event Code	951:memoryThresholdExceeded
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZMemoryUsageThresholdBackToNormalTrap on page 69 (.1.3.6.1.4.1.25053.2.11.1.43)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZDiskUsageThresholdExceededTrap

TABLE 16 ruckusSZDiskUsageThresholdExceededTrap

Object Name	ruckusSZDiskUsageThresholdExceededTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.8
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZDiskPerc
Description	Triggered when there is a SmartZone disk usage threshold exceeded event. The usage percentage threshold can be configured as 60% to 90%. This trap is sent if the usage percentage exceeds the configured threshold. The event severity, event code, event type, node name, MAC address and disk usage percentage are displayed.
Generated by Event Code	952:diskUsageThresholdExceeded
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDiskUsageThresholdBackToNormalTrap on page 69 (.1.3.6.1.4.1.25053.2.11.1.44)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZLicenseUsageThresholdExceededTrap

TABLE 17 ruckusSZLicenseUsageThresholdExceededTrap

Object Name	ruckusSZLicenseUsageThresholdExceededTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.19
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZLicenseType ruckusSZLicenseUsagePerc
Description	Triggered by the SmartZone license usage threshold exceeded event. The event severity, event code, event type, license type and license usage percentage are displayed.
Generated by Event Code	960:licenseThresholdExceeded

ruckusSZAPMiscEventTrap

TABLE 18 ruckusSZAPMiscEventTrap

Object Name	ruckusSZAPMiscEventTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.20

TABLE 18 ruckusSZAPMiscEventTrap (continued)

Object Name	ruckusSZAPMiscEventTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventDescription ruckusSZEventAPIPv6
Description	Generic trap triggered by AP related miscellaneous event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, event description, and AP IPv6 are displayed.
Generated by Event Code	Refer to SmartZone Event Traps on page 265 - ruckusSZAPMiscEventTrap on page 267

ruckusSZAPConnectedTrap

TABLE 19 ruckusSZAPConnectedTrap

Object Name	ruckusSZAPConnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.21
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the AP connected event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, event description, reason and AP IPv6 are displayed.
Generated by Event Code	312:apConnected

ruckusSZAPDeletedTrap

TABLE 20 ruckusSZAPDeletedTrap

Object Name	ruckusSZAPDeletedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.22
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by the AP deleted event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, and AP IPv6 are displayed.
Generated by Event Code	313:apDeleted

ruckusSZAPDisconnectedTrap

TABLE 21 ruckusSZAPDisconnectedTrap

Object Name	ruckusSZAPDisconnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.23
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by AP connection lost event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP description, AP GPS coordinates, and AP IPv6 are displayed.
Generated by Event Code	303:apConnectionLost

TABLE 21 ruckusSZAPDisconnectedTrap (continued)

Object Name	ruckusSZAPDisconnectedTrap
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPConnectedTrap on page 57 (. 1.3.6.1.4.1.25053.2.11.1.21) and ruckusSZCriticalAPConnectedTrap on page 60 (. 1.3.6.1.4.1.25053.2.11.1.26)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPLostHeartbeatTrap

TABLE 22 ruckusSZAPLostHeartbeatTrap

Object Name	ruckusSZAPLostHeartbeatTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.24
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by the SmartZone lost AP heart beat event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, and AP IPv6 are displayed.
Generated by Event Code	314:apHeartbeatLost
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPConnectedTrap on page 57 (. 1.3.6.1.4.1.25053.2.11.1.21) and ruckusSZCriticalAPConnectedTrap on page 60 (. 1.3.6.1.4.1.25053.2.11.1.26)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPRebootTrap

TABLE 23 ruckusSZAPRebootTrap

Object Name	ruckusSZAPRebootTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.25
Trap Severity	Informational

TABLE 23 ruckusSZAPRebootTrap (continued)

Object Name	ruckusSZAPRebootTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the AP reboot event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, event reason and AP IPv6 are displayed.
Generated by Event Code	301:apRebootByUser ; 302:apRebootBySystem

ruckusSZCriticalAPConnectedTrap

TABLE 24 ruckusSZCriticalAPConnectedTrap

Object Name	ruckusSZCriticalAPConnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.26
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the AP reboot event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, event reason and AP IPv6 are displayed.
Generated by Event Code	312:apConnected

ruckusSZCriticalAPDisconnectedTrap

TABLE 25 ruckusSZCriticalAPDisconnectedTrap

Object Name	ruckusSZCriticalAPDisconnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.27
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by the AP reboot event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, and AP IPv6 are displayed.
Generated by Event Code	303:apConnectionLost
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZCriticalAPConnectedTrap on page 60 (.1.3.6.1.4.1.25053.2.11.1.26)
Cleared by Matching	ruckusSZEventAPMacAddr(.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPRejectedTrap

TABLE 26 ruckusSZAPRejectedTrap

Object Name	ruckusSZAPRejectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.28
Trap Severity	Minor
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventCtrlIP ruckusSZEventReason ruckusSZEventAPIPv6

TABLE 26 ruckusSZAPRejectedTrap (continued)

Object Name	ruckusSZAPRejectedTrap
Description	Triggered by the AP rejected event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, event reason, and AP IPv6 are displayed.
Generated by Event Code	105:apStatusRejected
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPManagedTrap on page 68 (. 1.3.6.1.4.1.25053.2.11.1.41)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPConfUpdateFailedTrap

TABLE 27 ruckusSZAPConfUpdateFailedTrap

Object Name	ruckusSZAPConfUpdateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.29
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAPConfigID ruckusSZEventAPIPv6
Description	Triggered by the AP configuration update failed event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, configuration ID and AP IPv6 are displayed.
Generated by Event Code	111:apConfUpdateFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPConfUpdatedTrap on page 62 (. 1.3.6.1.4.1.25053.2.11.1.30)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPConfUpdatedTrap

TABLE 28 ruckusSZAPConfUpdatedTrap

Object Name	ruckusSZAPConfUpdatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.30
Trap Severity	Informational

TABLE 28 ruckusSZAPConfUpdatedTrap (continued)

Object Name	ruckusSZAPConfUpdatedTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAPConfigID ruckusSZEventAPIPv6
Description	Triggered by AP configuration updated event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, AP configuration ID and AP IPv6 are displayed.
Generated by Event Code	110:apConfUpdated

ruckusSZAPSwapOutModelDiffTrap

TABLE 29 ruckusSZAPSwapOutModelDiffTrap

Object Name	ruckusSZAPSwapOutModelDiffTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.31
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAPModel ruckusSZConfigAPModel ruckusSZEventAPIPv6
Description	Triggered when the AP model is different from the imported swap AP model. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, AP model, configuration AP model and AP IPv6 are displayed.
Generated by Event Code	113:apModelDiffWithSwapOutAP

ruckusSZAPPreProvisionModelDiffTrap

TABLE 30 ruckusSZAPPreProvisionModelDiffTrap

Object Name	ruckusSZAPPreProvisionModelDiffTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.32
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAPModel ruckusSZConfigAPModel ruckusSZEventAPIPv6
Description	Triggered when the AP model is different from imported pre-provision AP model. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, AP model, configuration AP model and AP IPv6 are displayed.
Generated by Event Code	112:apModelDiffWithPreProvConfig

ruckusSZAPFirmwareUpdateFailedTrap

TABLE 31 ruckusSZAPFirmwareUpdateFailedTrap

Object Name	ruckusSZAPFirmwareUpdateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.34
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6

TABLE 31 ruckusSZAPFirmwareUpdateFailedTrap (continued)

Object Name	ruckusSZAPFirmwareUpdateFailedTrap
Description	Triggered by AP firmware update failed event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates and AP IPv6 are displayed.
Generated by Event Code	107:apFirmwareUpdateFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPFirmwareUpdatedTrap on page 65 (. 1.3.6.1.4.1.25053.2.11.1.35)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPFirmwareUpdatedTrap

TABLE 32 ruckusSZAPFirmwareUpdatedTrap

Object Name	ruckusSZAPFirmwareUpdatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.35
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by AP firmware update success event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates and AP IPv6 are displayed.
Generated by Event Code	106:apFirmwareUpdated

ruckusSZAPWlanOversubscribedTrap

TABLE 33 ruckusSZAPWlanOversubscribedTrap

Object Name	ruckusSZAPWlanOversubscribedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.36
Trap Severity	Major

TABLE 33 ruckusSZAPWlanOversubscribedTrap (continued)

Object Name	ruckusSZAPWlanOversubscribedTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates
Description	Triggered by AP WLAN oversubscribe event. The event severity, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, zone name and event code are displayed.
Generated by Event Code	114:apWlanMismatched

ruckusSZAPFactoryResetTrap

TABLE 34 ruckusSZAPFactoryResetTrap

Object Name	ruckusSZAPFactoryResetTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.37
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by the AP factory reset event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates and AP IPv6 are displayed.
Generated by Event Code	305:apFactoryReset

ruckusSZCableModemDownTrap

TABLE 35 ruckusSZCableModemDownTrap

Object Name	ruckusSZCableModemDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.10.1.38

TABLE 35 ruckusSZCableModemDownTrap (continued)

Object Name	ruckusSZCableModemDownTrap
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered by the AP cable modem down event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates and AP IPv6 are displayed.
Generated by Event Code	316:cableModemDown
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZCableModemUpTrap on page 69 (.1.3.6.1.4.1.25053.2.11.1.45)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZCableModemRebootTrap

TABLE 36 ruckusSZCableModemRebootTrap

Object Name	ruckusSZCableModemRebootTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.39
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when there is an AP cable modem reboot event. The event severity, event code, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates and AP IPv6 are displayed.
Generated by Event Code	318:cmRebootByUser

ruckusSZAPManagedTrap

TABLE 37 ruckusSZAPManagedTrap

Object Name	ruckusSZAPManagedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.41
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventCtrlIP
Description	Triggered when there is an AP managed event. The event severity, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, zone name, target zone name, control IP address and event code are displayed.
Generated by Event Code	103:apStatusManaged

ruckusSZCPUUsageThresholdBackToNormalTrap

TABLE 38 ruckusSZCPUUsageThresholdBackToNormalTrap

Object Name	ruckusSZCPUUsageThresholdBackToNormalTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.42
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZCPUPerc
Description	Triggered when the controller CPU temperature status is back to normal. The event severity, event code, event type, node name, MAC address, and CPU usage percentage are displayed.
Generated by Event Code	953:cpuThresholdBackToNormal

ruckusSZMemoryUsageThresholdBackToNormalTrap

TABLE 39 ruckusSZMemoryUsageThresholdBackToNormalTrap

Object Name	ruckusSZMemoryUsageThresholdBackToNormalTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.43
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZMemoryPerc
Description	Triggered when the controller memory temperature status is back to normal. The event severity, event code, event type, node name, MAC address, and memory usage percentage are displayed.
Generated by Event Code	954:memoryThresholdBackToNormal

ruckusSZDiskUsageThresholdBackToNormalTrap

TABLE 40 ruckusSZDiskUsageThresholdBackToNormalTrap

Object Name	ruckusSZDiskUsageThresholdBackToNormalTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.44
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZDiskPerc
Description	Triggered when the controller disk temperature status is back to normal. The event severity, event code, event type, node name, MAC address, and memory usage percentage are displayed.
Generated by Event Code	955:diskUsageThresholdBackToNormal

ruckusSZCableModemUpTrap

TABLE 41 ruckusSZCableModemUpTrap

Object Name	ruckusSZCableModemUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.45
Trap Severity	Informational

TABLE 41 ruckusSZCableModemUpTrap (continued)

Object Name	ruckusSZCableModemUpTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when the controller disk temperature status is back to normal. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, and AP IP v6 are displayed.
Generated by Event Code	325:cableModemUp

ruckusSZAPDiscoverySuccessTrap

TABLE 42 ruckusSZAPDiscoverySuccessTrap

Object Name	ruckusSZAPDiscoverySuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.46
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventCtrlIP ruckusSZEventAPIPv6
Description	Triggered by the event where the AP is discovered successfully. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, event control IP address, and AP IPv6 address are displayed.
Generated by Event Code	101:apDiscoverySuccess

ruckusSZCMResetByUserTrap

TABLE 43 ruckusSZCMResetByUserTrap

Object Name	ruckusSZCMResetByUserTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.47
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the event where the AP cable modem starts a soft reboot triggered by the user. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, event reason and AP IPv6 address are displayed.
Generated by Event Code	326:cmResetByUser

ruckusSZCMResetFactoryByUserTrap

TABLE 44 ruckusSZCMResetFactoryByUserTrap

Object Name	ruckusSZCMResetFactoryByUserTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.48
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventReason ruckusSZEventAPIPv6

TABLE 44 ruckusSZCMResetFactoryByUserTrap (continued)

Object Name	ruckusSZCMResetFactoryByUserTrap
Description	Triggered by the event where the AP cable modem is set to factory default by the user. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, event reason and AP IPv6 address are displayed.
Generated by Event Code	327:cmResetFactoryByUser

ruckusSZMaliciousRogueAPTimeoutTrap

TABLE 45 ruckusSZMaliciousRogueAPTimeoutTrap

Object Name	ruckusSZMaliciousRogueAPTimeoutTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.54
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventRogueMac ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when the rogue AP disappears. The event severity, event code, event type, AP rouge MAC IP address, SSID value, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, and AP IP v6 are displayed.
Generated by Event Code	185:maliciousRogueAPTimeout

ruckusSZAPLBSConnectSuccessTrap

TABLE 46 ruckusSZAPLBSConnectSuccessTrap

Object Name	ruckusSZAPLBSConnectSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.55
Trap Severity	Informational

TABLE 46 ruckusSZAPLBSConnectSuccessTrap (continued)

Object Name	ruckusSZAPLBSConnectSuccessTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLBSURL ruckusSZLBSPort ruckusSZEventAPIPv6
Description	Triggered when the AP successfully connect to the LS event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, LBS URL, LBS port and AP IP v6 are displayed.
Generated by Event Code	703:apLBSConnectSuccess

ruckusSZAPLBSNoResponsesTrap

TABLE 47 ruckusSZAPLBSNoResponsesTrap

Object Name	ruckusSZAPLBSNoResponsesTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.56
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLBSURL ruckusSZLBSPort ruckusSZEventAPIPv6
Description	Triggered when an event is raised since the LS fails to respond to the connecting AP. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, LBS URL, LBS port and AP IP v6 are displayed.
Generated by Event Code	701:apLBSNoResponses

ruckusSZAPLBSAuthFailedTrap

TABLE 48 ruckusSZAPLBSAuthFailedTrap

Object Name	ruckusSZAPLBSAuthFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.57
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLBSURL ruckusSZLBSPort ruckusSZEventAPIPv6
Description	Triggered by the authentication failure event when the AP tries connecting to the LS. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, LBS URL, LBS port and AP IP v6 are displayed.
Generated by Event Code	702:apLBSAuthFailed

ruckusSZAPLBSConnectFailedTrap

TABLE 49 ruckusSZAPLBSConnectFailedTrap

Object Name	ruckusSZAPLBSConnectFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.58
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLBSURL ruckusSZLBSPort ruckusSZEventAPIPv6

TABLE 49 ruckusSZAPLBSConnectFailedTrap (continued)

Object Name	ruckusSZAPLBSConnectFailedTrap
Description	An event is raised when the AP fails in connecting to LS. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, LBS URL, LBS port and AP IP v6 are displayed.
Generated by Event Code	704:apLBSConnectFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPLBSConnectSuccessTrap on page 72 (.1.3.6.1.4.1.25053.2.11.1.55)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSCGGeneralRogueAPTrap

TABLE 50 ruckusSCGGeneralRogueAPTrap

Object Name	ruckusSCGGeneralRogueAPTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.59
Trap Severity	Warning
Bindings	ruckusSCGEventSeverity ruckusSCGEventType ruckusSCGEventRogueMac ruckusSCGEventSSID ruckusSCGEventAPName ruckusSCGEventAPMacAddr ruckusSCGEventAPIP ruckusSCGEventAPLocation ruckusSCGEventAPDescription ruckusSCGEventAPGPSCoordinates ruckusSCGEventZoneName ruckusSCGEventCode ruckusSCGEventAPIPv6
Description	Triggered when the AP detects a rogue AP classified by policy event. The event severity, event type, rogue AP MAC IP address, ssid, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, zone name, event code and AP IPv6 address are displayed.
Generated by Event Code	186:generalRogueAPDetected

ruckusSZAPTunnelBuildFailedTrap

TABLE 51 ruckusSZAPTunnelBuildFailedTrap

Object Name	ruckusSZAPTunnelBuildFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.60
Trap Severity	Informational

TABLE 51 ruckusSZAPTunnelBuildFailedTrap (continued)

Object Name	ruckusSZAPTunnelBuildFailedTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDPIP ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the AP build tunnel failed event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, data plane IP address, event reason and AP IP v6 are displayed.
Generated by Event Code	609:apBuildTunnelFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPTunnelBuildSuccessTrap on page 76 (.1.3.6.1.4.1.25053.2.11.1.61)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0).

ruckusSZAPTunnelBuildSuccessTrap

TABLE 52 ruckusSZAPTunnelBuildSuccessTrap

Object Name	ruckusSZAPTunnelBuildSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.61
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDPIP ruckusSZEventAPIPv6
Description	Triggered by the AP build tunnel success event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, data plane IP address, and AP IP v6 are displayed.

TABLE 52 ruckusSZAPTunnelBuildSuccessTrap (continued)

Object Name	ruckusSZAPTunnelBuildSuccessTrap
Generated by Event Code	608:apBuildTunnelSuccess

ruckusSZAPTunnelDisconnectedTrap

TABLE 53 ruckusSZAPTunnelDisconnectedTrap

Object Name	ruckusSZAPTunnelDisconnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.62
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDPIP ruckusSZEventReason ruckusSZEventAPIPv6
Description	Triggered by the AP tunnel disconnected event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, data plane IP address, event reason and AP IP v6 are displayed.
Generated by Event Code	610:apTunnelDisconnected
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPTunnelBuildSuccessTrap on page 76 (.1.3.6.1.4.1.25053.2.11.1.61)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPSoftGRETunnelFailoverPtoSTrap

TABLE 54 ruckusSZAPSoftGRETunnelFailoverPtoSTrap

Object Name	ruckusSZAPSoftGRETunnelFailoverPtoSTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.65
Trap Severity	Warning

TABLE 54 ruckusSZAPSoftGRETunnelFailoverPtoSTrap (continued)

Object Name	ruckusSZAPSoftGRETunnelFailoverPtoSTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusPrimaryGRE ruckusSecondaryGRE ruckusSZEventAPIPv6
Description	Triggered by the AP SoftGRE tunnel failing over from the primary server to the secondary server event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, primary GRE IP address, secondary GRE IP address and AP IP v6 are displayed.
Generated by Event Code	611:apSoftGRETunnelFailoverPtoS
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPSoftGREGatewayReachableTrap on page 79 (.1.3.6.1.4.1.25053.2.11.1.68)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPSoftGRETunnelFailoverStoPTrap

TABLE 55 ruckusSZAPSoftGRETunnelFailoverStoPTrap

Object Name	ruckusSZAPSoftGRETunnelFailoverStoPTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.66
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusPrimaryGRE ruckusSecondaryGRE ruckusSZEventAPIPv6

TABLE 55 ruckusSZAPSoftGRETunnelFailoverStoPTrap (continued)

Object Name	ruckusSZAPSoftGRETunnelFailoverStoPTrap
Description	Triggered by the AP SoftGRE tunnel failing over from the secondary server to the primary secondary event. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, primary GRE IP address, secondary GRE IP address and AP IP v6 are displayed.
Generated by Event Code	612:apSoftGRETunnelFailoverStoP
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPSoftGREGatewayReachableTrap on page 79 (.1.3.6.1.4.1.25053.2.11.1.68)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPSoftGREGatewayNotReachableTrap

TABLE 56 ruckusSZAPSoftGREGatewayNotReachableTrap

Object Name	ruckusSZAPSoftGREGatewayNotReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.67
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSoftGREGatewayList ruckusSZEventAPIPv6
Description	Triggered when the AP cannot ping/reach the SoftGRE gateway. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, GRE gateway list and AP IP v6 are displayed.
Generated by Event Code	614:apSoftGREGatewayNotReachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPSoftGREGatewayReachableTrap on page 79 (.1.3.6.1.4.1.25053.2.11.1.68)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZAPSoftGREGatewayReachableTrap

TABLE 57 ruckusSZAPSoftGREGatewayReachableTrap

Object Name	ruckusSZAPSoftGREGatewayReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.68
Trap Severity	Informational

TABLE 57 ruckusSZAPSoftGREGatewayReachableTrap (continued)

Object Name	ruckusSZAPSoftGREGatewayReachableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZSoftGREGWAddress
Description	Triggered when there is a AP SoftGRE gateway reachable event. The event severity, event type, AP name, AP MAC IP address, AP IP address, AP location, AP description, AP GPS coordinates, zone name, soft GRE gateway list and event code are displayed.
Generated by Event Code	613:apSoftGREGatewayReachable

ruckusSZDPConfUpdateFailedTrap

TABLE 58 ruckusSZDPConfUpdateFailedTrap

Object Name	ruckusSZDPConfUpdateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.70
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZDPConfigID
Description	Triggered by the data plane configuration update failed event. The data plane can get the updated configuration settings from the control plane, but cannot apply the updated configuration changes. The event severity, event code, event type, data plane identifier and configuration UUID are displayed.
Generated by Event Code	505:dpConfUpdateFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPConfUpdatedTrap on page 83 (.1.3.6.1.4.1.25053.2.11.1.78)
Cleared by Matching	ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0)

ruckusSZDPLostHeartbeatTrap

TABLE 59 ruckusSZDPLostHeartbeatTrap

Object Name	ruckusSZDPLostHeartbeatTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.71
Trap Severity	Informational

TABLE 59 ruckusSZDPLostHeartbeatTrap (continued)

Object Name	ruckusSZDPLostHeartbeatTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the data plane lost heart beat event. The event severity, event code, event type and data plane identifier are displayed.
Generated by Event Code	507:dpLostConnection
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPConnectedTrap on page 83 (.1.3.6.1.4.1.25053.2.11.1.76)
Cleared by Matching	ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0)

ruckusSZDPDisconnectedTrap

TABLE 60 ruckusSZDPDisconnectedTrap

Object Name	ruckusSZDPDisconnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.72
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventCtrlIP
Description	Triggered by the data plane disconnected event. The event severity, event code, event type, data plane identifier, and control IP address are displayed.
Generated by Event Code	513:dpDisconnected
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPConnectedTrap on page 83 (.1.3.6.1.4.1.25053.2.11.1.76)
Cleared by Matching	ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0)

ruckusSZDPPhyInterfaceDownTrap

TABLE 61 ruckusSZDPPhyInterfaceDownTrap

Object Name	ruckusSZDPPhyInterfaceDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.73
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZNetworkPortID

TABLE 61 ruckusSZDPPhyInterfaceDownTrap (continued)

Object Name	ruckusSZDPPhyInterfaceDownTrap
Description	Triggered by the data plane physical interface detected as down event. The event severity, event code, event type, data plane identifier, and network port identifier are displayed
Generated by Event Code	514:dpPhyInterfaceDown
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPPhyInterfaceUpTrap on page 83 (.1.3.6.1.4.1.25053.2.11.1.77)
Cleared by Matching	ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0) ruckusSZNetworkPortID (.1.3.6.1.4.1.25053.2.11.2.100.0)

ruckusSZDPStatusUpdateFailedTrap

TABLE 62 ruckusSZDPStatusUpdateFailedTrap

Object Name	ruckusSZDPStatusUpdateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.74
Trap Severity	Minor
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the data plane update status failed event. The event severity, event code, event type and data plane identifier are displayed.
Generated by Event Code	510:dpUpdateStatusFailed

ruckusSZDPStatisticUpdateFaliedTrap

TABLE 63 ruckusSZDPStatisticUpdateFaliedTrap

Object Name	ruckusSZDPStatisticUpdateFaliedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.75
Trap Severity	Minor
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the data plane update statistics failed event. The event severity, event code, event type and data plane identifier are displayed.
Generated by Event Code	511:dpUpdateStatisticFailed

ruckusSZDPConnectedTrap

TABLE 64 ruckusSZDPConnectedTrap

Object Name	ruckusSZDPConnectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.76
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventCtrlIP
Description	Triggered by the data plane connected event. The event severity, event code, event type, data plane identifier and control IP address are displayed.
Generated by Event Code	512:dpConnected

ruckusSZDPPhyInterfaceUpTrap

TABLE 65 ruckusSZDPPhyInterfaceUpTrap

Object Name	ruckusSZDPPhyInterfaceUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.77
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZNetworkPortID
Description	Triggered by the data plane physical interface up event. The event severity, event code, event type, data plane identifier and network port identifier are displayed.
Generated by Event Code	515:dpPhyInterfaceUp

ruckusSZDPConfUpdatedTrap

TABLE 66 ruckusSZDPConfUpdatedTrap

Object Name	ruckusSZDPConfUpdatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.78
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZDPConfigID

TABLE 66 ruckusSZDPConfUpdatedTrap (continued)

Object Name	ruckusSZDPConfUpdatedTrap
Description	Triggered by the data plane configuration updated event. The event severity, event code, event type, data plane identifier and configuration identifier are displayed.
Generated by Event Code	504:dpConfUpdated

ruckusSZDPTunnelTearDownTrap

TABLE 67 ruckusSZDPTunnelTearDownTrap

Object Name	ruckusSZDPTunnelTearDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.79
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventAPMacAddr ruckusSZEventReason
Description	Triggered by the data plane tear down tunnel event. The event severity, event code, event type, data plane identifier, AP MAC address and event reason are displayed.
Generated by Event Code	603:dpTearDownTunnel
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPTunnelSetUpTrap on page 85 (.1.3.6.1.4.1.25053.2.11.1.85)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0) ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0)

ruckusSZDPAcceptTunnelRequestTrap

TABLE 68 ruckusSZDPAcceptTunnelRequestTrap

Object Name	ruckusSZDPAcceptTunnelRequestTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.81
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventAPMacAdd
Description	Triggered when the data plane accepts a tunnel request from the AP. The event severity, event code, event type, data plane identifier and AP MAC address are displayed.
Generated by Event Code	601:dpAcceptTunnelRequest

ruckusSZDPRejectTunnelRequestTrap

TABLE 69 ruckusSZDPRejectTunnelRequestTrap

Object Name	ruckusSZDPRejectTunnelRequestTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.82
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventAPMacAddr ruckusSZEventReason
Description	Triggered when the data plane rejects a tunnel request from the AP. The event severity, event code, event type, data plane identifier, AP MAC address and event reason are displayed.
Generated by Event Code	602:dpRejectTunnelRequest

NOTE

Trap .1.3.6.1.4.1.25053.2.11.1.85 is not applicable for vSZ-E.

ruckusSZDPTunnelSetUpTrap

TABLE 70 ruckusSZDPTunnelSetUpTrap

Object Name	ruckusSZDPTunnelSetUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.85
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventAPMacAdd
Description	Triggered when the data plane sets the tunnel. The event severity, event code, event type, data plane identifier and AP MAC address are displayed.
Generated by Event Code	627:dpSetUpTunnel

ruckusSZDPDiscoverySuccessTrap

TABLE 71 ruckusSZDPDiscoverySuccessTrap

Object Name	ruckusSZDPDiscoverySuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.86
Trap Severity	Informational

TABLE 71 ruckusSZDPDiscoverySuccessTrap (continued)

Object Name	ruckusSZDPDiscoverySuccessTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventCtrlIP
Description	Triggered by the event where the data plane is successfully identified The event severity, event code, event type, data plane identifier and control plane IP address are displayed.
Generated by Event Code	501:dpDiscoverySuccess

ruckusSZDPDiscoveryFailTrap

TABLE 72 ruckusSZDPDiscoveryFailTrap

Object Name	ruckusSZDPDiscoveryFailTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.87
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey ruckusSZEventCtrlIP
Description	Triggered by the event where the data plane is unidentified The event severity, event code, event type, data plane identifier and control plane IP address are displayed.
Generated by Event Code	502:dpDiscoveryFail

ruckusSZDPDeletedTrap

TABLE 73 ruckusSZDPDeletedTrap

Object Name	ruckusSZDPDeletedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.94
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the event where data plane is deleted. The event severity, event code, type and data plane identifier are displayed.
Generated by Event Code	537:dpDeleted

ruckusSZDPUpgradeStartTrap

TABLE 74 ruckusSZDPUpgradeStartTrap

Object Name	ruckusSZDPUpgradeStartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.95
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the event of data plane starting the upgrade process. The event severity, event code, event type and data plane identifier are displayed.
Generated by Event Code	550:dpUpgradeStart

ruckusSZDPUpgradingTrap

TABLE 75 ruckusSZDPUpgradingTrap

Object Name	ruckusSZDPUpgradingTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.96
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the event when data plane starts the upgrade program and configuration. The event severity, event code, event type, and data plane identifier are displayed.
Generated by Event Code	551:dpUpgrading

ruckusSZDPUpgradeSuccessTrap

TABLE 76 ruckusSZDPUpgradeSuccessTrap

Object Name	ruckusSZDPUpgradeSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.97
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the event when data plane upgrade is successful. The event severity, event code, event type, and data plane identifier are displayed.
Generated by Event Code	552:dpUpgradeSuccess

ruckusSZDPUpgradeFailedTrap

TABLE 77 ruckusSZDPUpgradeFailedTrap

Object Name	ruckusSZDPUpgradeFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.98
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZDPKey
Description	Triggered by the event when data plane upgrade fails. The event severity, event code, event type, and data plane identifier are displayed.
Generated by Event Code	553:dpUpgradeFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPUpgradeSuccessTrap on page 87 (.1.3.6.1.4.1.25053.2.11.1.97)
Cleared by Matching	ruckusSZDPKey (.1.3.6.1.4.1.25053.2.11.2.80.0)

ruckusSZClientMiscEventTrap

TABLE 78 ruckusSZClientMiscEventTrap

Object Name	ruckusSZClientMiscEventTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.100
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventClientMacAddr ruckusSZEventDescription
Description	Generic trap triggered by specified client related miscellaneous event. The event severity, event code, event type, client MAC address and event description are displayed.
Generated by Event Code	Refer to appendix SmartZone Event Traps on page 265 - ruckusSZClientMiscEventTrap on page 269

ruckusSZNodeJoinFailedTrap

TABLE 79 ruckusSZNodeJoinFailedTrap

Object Name	ruckusSZNodeJoinFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.200
Trap Severity	Critical

TABLE 79 ruckusSZNodeJoinFailedTrap (continued)

Object Name	ruckusSZNodeJoinFailedTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by new node failing to join event. The event severity, event code, event type, node name, node MAC address and cluster name are displayed.
Generated by Event Code	803:newNodeJoinFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodeJoinSuccessTrap on page 95 (.1.3.6.1.4.1.25053.2.11.1.218)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZNodeRemoveFailedTrap

TABLE 80 ruckusSZNodeRemoveFailedTrap

Object Name	ruckusSZNodeRemoveFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.201
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by remove node failed event. The event severity, event type, node name, node MAC address, cluster name and event code are displayed.
Generated by Event Code	805:removeNodeFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodeRemoveSuccessTrap on page 96 (.1.3.6.1.4.1.25053.2.11.1.220)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZNodeOutOfServiceTrap

TABLE 81 ruckusSZNodeOutOfServiceTrap

Object Name	ruckusSZNodeOutOfServiceTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.202
Trap Severity	Critical

TABLE 81 ruckusSZNodeOutOfServiceTrap (continued)

Object Name	ruckusSZNodeOutOfServiceTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by node out of service event. The event severity, event code, event type, node name, node MAC address and cluster name are displayed.
Generated by Event Code	806:nodeOutOfService
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodeBackToInServiceTrap on page 97 (.1.3.6.1.4.1.25053.2.11.1.222)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZClusterInMaintenanceStateTrap

TABLE 82 ruckusSZClusterInMaintenanceStateTrap

Object Name	ruckusSZClusterInMaintenanceStateTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.203
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered when a cluster is put into maintenance state event. The event severity, event code, event type and cluster name are displayed.
Generated by Event Code	807:clusterInMaintenanceState
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterBackToInServiceTrap on page 94 (.1.3.6.1.4.1.25053.2.11.1.216).

ruckusSZClusterBackupFailedTrap

TABLE 83 ruckusSZClusterBackupFailedTrap

Object Name	ruckusSZClusterBackupFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.204
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered when a cluster failed to create a backup event. The event severity, event code, event type and cluster name are displayed.

TABLE 83 ruckusSZClusterBackupFailedTrap (continued)

Object Name	ruckusSZClusterBackupFailedTrap
Generated by Event Code	810:backupClusterFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZBackupClusterSuccessTrap on page 95 (.1.3.6.1.4.1.25053.2.11.1.217)

ruckusSZClusterRestoreFailedTrap

TABLE 84 ruckusSZClusterRestoreFailedTrap

Object Name	ruckusSZClusterRestoreFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.205
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by restore cluster failed event. The event severity, event code, event type and cluster name are displayed.
Generated by Event Code	812:restoreClusterFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterRestoreSuccessTrap on page 96 (.1.3.6.1.4.1.25053.2.11.1.221)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZClusterAppStoppedTrap

TABLE 85 ruckusSZClusterAppStoppedTrap

Object Name	ruckusSZClusterAppStoppedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.206
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName ruckusSZEventNodeName ruckusSZEventMacAddr
Description	Triggered when an application has stopped running/functioning. The event severity, event code, event type, application name, SZ node name and node MAC address are displayed.
Generated by Event Code	816:clusterAppStop
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterAppStartTrap on page 95 (.1.3.6.1.4.1.25053.2.11.1.219)
Cleared by Matching	ruckusSZProcessName(.1.3.6.1.4.1.25053.2.11.2.11.0) ruckusSZEventMacAddr(.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZNodeBondInterfaceDownTrap

TABLE 86 ruckusSZNodeBondInterfaceDownTrap

Object Name	ruckusSZNodeBondInterfaceDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.207
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZNetworkInterface ruckusSZEventNodeName ruckusSZEventMacAddr
Description	Triggered by node bond interface down event. The event severity, event type, network interface, controller node name, node MAC address and event code are displayed.
Generated by Event Code	821:nodeBondInterfaceDown
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodeBondInterfaceUpTrap on page 93 (.1.3.6.1.4.1.25053.2.11.1.211)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0) ruckusSZNetworkInterface (.1.3.6.1.4.1.25053.2.11.2.101.0)

ruckusSZNodePhyInterfaceDownTrap

TABLE 87 ruckusSZNodePhyInterfaceDownTrap

Object Name	ruckusSZNodePhyInterfaceDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.208
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZNetworkInterface ruckusSZEventNodeName ruckusSZEventMacAddr
Description	Triggered by node physical interface down event. The event severity, event type, network interface, controller node name, node MAC address and event code are displayed.
Generated by Event Code	824:nodePhyInterfaceDown
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZNodePhyInterfaceUpTrap on page 94 (.1.3.6.1.4.1.25053.2.11.1.212)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0) ruckusSZNetworkInterface (.1.3.6.1.4.1.25053.2.11.2.101.0)

ruckusSZClusterLeaderChangedTrap

TABLE 88 ruckusSZClusterLeaderChangedTrap

Object Name	ruckusSZClusterLeaderChangedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.209
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by cluster leader changed event. The event severity, event code, event type, SZ node name, node MAC address and cluster name are displayed.
Generated by Event Code	820:clusterLeaderChanged

ruckusSZClusterUpgradeSuccessTrap

TABLE 89 ruckusSZClusterUpgradeSuccessTrap

Object Name	ruckusSZClusterUpgradeSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.210
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName ruckusSZEventFirmwareVersion ruckusSZEventUpgradedFirmwareVersion
Description	Triggered when the entire cluster has been successfully upgraded. The event severity, event code, event type, cluster name, firmware version and upgraded firmware version are displayed.
Generated by Event Code	814:upgradeEntireClusterSuccess

ruckusSZNodeBondInterfaceUpTrap

TABLE 90 ruckusSZNodeBondInterfaceUpTrap

Object Name	ruckusSZNodeBondInterfaceUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.211
Trap Severity	Informational

TABLE 90 ruckusSZNodeBondInterfaceUpTrap (continued)

Object Name	ruckusSZNodeBondInterfaceUpTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZNetworkInterface ruckusSZEventNodeName ruckusSZEventMacAddr
Description	Triggered by node bond interface up event. The event severity, event code, event type, network interface, SZ node name and SZ MAC address are displayed.
Generated by Event Code	822:nodeBondInterfaceUp

ruckusSZNodePhyInterfaceUpTrap

TABLE 91 ruckusSZNodePhyInterfaceUpTrap

Object Name	ruckusSZNodePhyInterfaceUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.212
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZNetworkInterface ruckusSZEventNodeName ruckusSZEventMacAddr
Description	Triggered by node physical interface up event. The event severity, event code, event type, network interface, SZ node name and SZ MAC address are displayed.
Generated by Event Code	825:nodePhyInterfaceUp

ruckusSZClusterBackToInServiceTrap

TABLE 92 ruckusSZClusterBackToInServiceTrap

Object Name	ruckusSZClusterBackToInServiceTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.216
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered when a cluster is back in service. The event severity, event code, event type and cluster name are displayed.
Generated by Event Code	808:clusterBackToInService

ruckusSZBackupClusterSuccessTrap

TABLE 93 ruckusSZBackupClusterSuccessTrap

Object Name	ruckusSZBackupClusterSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.217
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by backup cluster success event. The event severity, event code, event type and cluster name are displayed.
Generated by Event Code	809:backupClusterSuccess

ruckusSZNodeJoinSuccessTrap

TABLE 94 ruckusSZNodeJoinSuccessTrap

Object Name	ruckusSZNodeJoinSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.218
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by new node join success event. The event severity, event code, event type, SZ node name, node MAC address and cluster name are displayed.
Generated by Event Code	802:newNodeJoinSuccess

ruckusSZClusterAppStartTrap

TABLE 95 ruckusSZClusterAppStartTrap

Object Name	ruckusSZClusterAppStartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.219
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName ruckusSZEventNodeName ruckusSZEventMacAddr

TABLE 95 ruckusSZClusterAppStartTrap (continued)

Object Name	ruckusSZClusterAppStartTrap
Description	Triggered when a cluster application starts. The event severity, event code, event type, application name, SZ node name and node MAC address are displayed.
Generated by Event Code	817:clusterAppStart

ruckusSZNodeRemoveSuccessTrap

TABLE 96 ruckusSZNodeRemoveSuccessTrap

Object Name	ruckusSZNodeRemoveSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.220
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by successful removal of a node. The event severity, event code, event type, SZ node name, node MAC address and cluster name are displayed.
Generated by Event Code	804:removeNodeSuccess

ruckusSZClusterRestoreSuccessTrap

TABLE 97 ruckusSZClusterRestoreSuccessTrap

Object Name	ruckusSZClusterRestoreSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.221
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered when a cluster has been successfully restored. The event severity, event code, event type, SZ node name, node MAC address and cluster name are displayed.
Generated by Event Code	811:restoreClusterSuccess

ruckusSZNodeBackToInServiceTrap

TABLE 98 ruckusSZNodeBackToInServiceTrap

Object Name	ruckusSZNodeBackToInServiceTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.222
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName
Description	Triggered by node back to in service event. The event severity, event code, event type, SZ node name, node MAC address and cluster name are displayed.
Generated by Event Code	835:nodeBackToInService

ruckusSZSshTunnelSwitchedTrap

TABLE 99 ruckusSZSshTunnelSwitchedTrap

Object Name	ruckusSZSshTunnelSwitchedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.223
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZEventMacAddr ruckusSZClusterName ruckusSZSwitchStatus
Description	Triggered by SSH tunnel switched event. The event severity, event code, event type, SZ node name, node MAC address, cluster name and switch status are displayed.
Generated by Event Code	833:sshTunnelSwitched

ruckusSZClusterCfgBackupStartTrap

TABLE 100 ruckusSZClusterCfgBackupStartTrap

Object Name	ruckusSZClusterCfgBackupStartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.224
Trap Severity	Informational

TABLE 100 ruckusSZClusterCfgBackupStartTrap (continued)

Object Name	ruckusSZClusterCfgBackupStartTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by start of configuration backup event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	860:clusterCfgBackupStart

ruckusSZClusterCfgBackupSuccessTrap

TABLE 101 ruckusSZClusterCfgBackupSuccessTrap

Object Name	ruckusSZClusterCfgBackupSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.225
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by successful configuration backup event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	861:clusterCfgBackupSuccess

ruckusSZClusterCfgBackupFailedTrap

TABLE 102 ruckusSZClusterCfgBackupFailedTrap

Object Name	ruckusSZClusterCfgBackupFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.226
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by failed configuration backup event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	862:clusterCfgBackupFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterCfgBackupSuccessTrap on page 98

ruckusSZClusterCfgRestoreSuccessTrap

TABLE 103 ruckusSZClusterCfgRestoreSuccessTrap

Object Name	ruckusSZClusterCfgRestoreSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.227
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by successful configuration restoration event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	863:clusterCfgRestoreSuccess

ruckusSZClusterCfgRestoreFailedTrap

TABLE 104 ruckusSZClusterCfgRestoreFailedTrap

Object Name	ruckusSZClusterCfgRestoreFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.228
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by failed configuration restoration event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	864:clusterCfgRestoreFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterCfgRestoreSuccessTrap on page 99 (.1.3.6.1.4.1.25053.2.11.1.227)

ruckusSZClusterUploadSuccessTrap

TABLE 105 ruckusSZClusterUploadSuccessTrap

Object Name	ruckusSZClusterUploadSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.229
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by successful cluster upload event. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	831:uploadClusterSuccess

ruckusSZClusterUploadFailedTrap

TABLE 106 ruckusSZClusterUploadFailedTrap

Object Name	ruckusSZClusterUploadFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.230
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName ruckusSZEventReason
Description	Triggered by failed cluster upload event. The event severity, event code, event type, controller cluster name and reason are displayed.
Generated by Event Code	832:uploadClusterFailed

ruckusSZClusterOutOfServiceTrap

TABLE 107 ruckusSZClusterOutOfServiceTrap

Object Name	ruckusSZClusterOutOfServiceTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.231
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by the event where the cluster is out of service. The event severity, event code, event type and controller cluster name are displayed.
Generated by Event Code	843:clusterOutOfService
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZClusterBackToInServiceTrap on page 94 (.1.3.6.1.4.1.25053.2.11.1.216)

ruckusSZClusterUploadVDPFirmwareStartTrap

TABLE 108 ruckusSZClusterUploadVDPFirmwareStartTrap

Object Name	ruckusSZClusterUploadVDPFirmwareStartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.232
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by the event when the when the cluster starts and uploads virtual data plane. The event severity, event code, event type and cluster name are displayed.

TABLE 108 ruckusSZClusterUploadVDPFirmwareStartTrap (continued)

Object Name	ruckusSZClusterUploadVDPFirmwareStartTrap
Generated by Event Code	845:clusterUploadVDPFirmwareStart

ruckusSZClusterUploadVDPFirmwareSuccessTrap

TABLE 109 ruckusSZClusterUploadVDPFirmwareSuccessTrap

Object Name	ruckusSZClusterUploadVDPFirmwareSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.233
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName
Description	Triggered by the event when cluster uploads the virtual data plane firmware is successful. The event severity, event code, event type and cluster name are displayed.
Generated by Event Code	846:uploadClusterVDPFirmwareSuccess

ruckusSZClusterUploadVDPFirmwareFailedTrap

TABLE 110 ruckusSZClusterUploadVDPFirmwareFailedTrap

Object Name	ruckusSZClusterUploadVDPFirmwareFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.234
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZClusterName ruckusSZEventReason
Description	Triggered by the event when cluster uploads the virtual data plane firmware fails. The event severity, event code, event type, cluster name, and reason are displayed.
Generated by Event Code	847:uploadClusterVDPFirmwareFailed

ruckusSZIpmiTempBBTrap

NOTE

Traps .1.3.6.1.4.1.25053.2.11.1.251 to .1.3.6.1.4.1.25053.2.11.1.275 is not applicable for vSZ-E.

TABLE 111 ruckusSZIpmiTempBBTrap

Object Name	ruckusSZIpmiTempBBTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.251
Trap Severity	Major

TABLE 111 ruckusSZIpmiTempBBTrap (continued)

Object Name	ruckusSZIpmiTempBBTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZTemperatureStatus ruckusSZEventMacAddr
Description	Triggered by baseboard temperature event. The event severity, event code, event type, temperature status and node MAC address are displayed.
Generated by Event Code	902:ipmiThempBB
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIpmiRETempBBTrap on page 103 (.1.3.6.1.4.1.25053.2.11.1.265)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZIpmiTempPTrap

TABLE 112 ruckusSZIpmiTempPTrap

Object Name	ruckusSZIpmiTempPTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.256
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessorId ruckusSZTemperatureStatus ruckusSZEventMacAddr
Description	Triggered by processor temperature event. The event severity, event code, event type, processor id, temperature status and controller node MAC address are displayed.
Generated by Event Code	907:ipmiThempP
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIpmiRETempPTrap on page 104 (.1.3.6.1.4.1.25053.2.11.1.270)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0) ruckusSZProcessorId (.1.3.6.1.4.1.25053.2.11.2.121.0)

ruckusSZIpmiFanTrap

TABLE 113 ruckusSZIpmiFanTrap

Object Name	ruckusSZIpmiFanTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.258
Trap Severity	Major

TABLE 113 ruckusSZIpmiFanTrap (continued)

Object Name	ruckusSZIpmiFanTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZFanId ruckusSZFanStatus ruckusSZEventMacAddr
Description	Triggered when the system fan fails. The event severity, event code, event type, fan id, fan status and controller node MAC address are displayed.
Generated by Event Code	909:ipmiFan
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIpmiFanTrap (.1.3.6.1.4.1.25053.2.11.1.272)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0) ruckusSZFanId (.1.3.6.1.4.1.25053.2.11.2.122.0)

ruckusSZIpmiFanStatusTrap

TABLE 114 ruckusSZIpmiFanStatusTrap

Object Name	ruckusSZIpmiFanStatusTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.261
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZFanId ruckusSZFanStatus ruckusSZEventMacAddr
Description	Triggered by fan module event. The event severity, event code, event type, fan id, fan status and controller node MAC address are displayed.
Generated by Event Code	912:ipmiFanStatus
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIpmiREFanStatusTrap on page 105 (.1.3.6.1.4.1.25053.2.11.1.275)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0) ruckusSZFanId (.1.3.6.1.4.1.25053.2.11.2.122.0)

ruckusSZIpmiRETempBBTrap

TABLE 115 ruckusSZIpmiRETempBBTrap

Object Name	ruckusSZIpmiRETempBBTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.265
Trap Severity	Informational

TABLE 115 ruckusSZIpmiRETempBBTrap (continued)

Object Name	ruckusSZIpmiRETempBBTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZTemperatureStatus ruckusSZEventMacAddr
Description	Triggered by the event where the base board temperature status recovers to normal condition. The event severity, event code, event type, temperature status and controller node MAC address are displayed.
Generated by Event Code	927:ipmiREThempBB

ruckusSZIpmiRETempPTrap

TABLE 116 ruckusSZIpmiRETempPTrap

Object Name	ruckusSZIpmiRETempPTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.270
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessorId ruckusSZTemperatureStatus ruckusSZEventMacAddr
Description	Triggered by the event where the processor temperature status recovers to normal condition. The event severity, event code, event type, processor ID, temperature status and controller node MAC address are displayed.
Generated by Event Code	932:ipmiREThempP

ruckusSZIpmiREFanTrap

TABLE 117 ruckusSZIpmiREFanTrap

Object Name	ruckusSZIpmiREFanTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.272
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZFanId ruckusSZFanStatus ruckusSZEventMacAddr

TABLE 117 ruckusSZIpmiREFanTrap (continued)

Object Name	ruckusSZIpmiREFanTrap
Description	Triggered by the event where the system fan module status recovers to normal condition. The event severity, event code, event type, fan ID, fan temperature status and controller node MAC address are displayed.
Generated by Event Code	934:ipmiREFan

ruckusSZIpmiREFanStatusTrap

TABLE 118 ruckusSZIpmiREFanStatusTrap

Object Name	ruckusSZIpmiREFanStatusTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.275
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZFanId ruckusSZFanStatus ruckusSZEventMacAddr
Description	Triggered by the event where fan module status recovers to normal condition. The event severity, event code, event type, fan ID, fan temperature status and controller node MAC address are displayed.
Generated by Event Code	937:ipmiREFanStatus

ruckusSZFtpTransferErrorTrap

TABLE 119 ruckusSZFtpTransferErrorTrap

Object Name	ruckusSZFtpTransferErrorTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.280
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZFtpIp ruckusSZFtpPort ruckusSZFileName ruckusSZEventMacAddr
Description	Triggered by FTP transfer error event. The event severity, event code, event type, FTP server IP address, FTP server port, file name and node MAC address are displayed.
Generated by Event Code	971:ftpTransferError

ruckuscsvFtpTransfer

TABLE 120 ruckuscsvFtpTransfer

Object Name	ruckuscsvFtpTransfer
Parent Node	ruckusSCGEventObjects
Object Identifier	1.3.6.1.4.1.25053.2.10.1.281
Trap Severity	Informational
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGFtpIp ruckusSCGFtpPort ruckusSCGFileName ruckusSCGEventNodeName
Description	This event occurs when CSV export file transfer to FTP server is successful.
Generated by Event Code	972

ruckuscsvFtpTransferError

TABLE 121 ruckuscsvFtpTransferError

Object Name	csvFtpTransferError
Parent Node	ruckusSCGEventObjects
Object Identifier	1.3.6.1.4.1.25053.2.10.1.282
Trap Severity	Warning
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGFtpIp ruckusSCGFtpPort ruckusSCGFileName ruckusSCGEventNodeName
Description	This event occurs when CSV export file transfer to the FTP server fails.
Generated by Event Code	973

ruckuscsvFtpTransferMaxRetryReached

TABLE 122 csvFtpTransferMaxRetryReached

Object Name	ruckuscsvFtpTransferMaxRetryReached
Parent Node	ruckusSCGEventObjects
Object Identifier	1.3.6.1.4.1.25053.2.10.1.283
Trap Severity	Major

TABLE 122 csvFtpTransferMaxRetryReached (continued)

Object Name	ruckuscsvFtpTransferMaxRetryReached
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGFtpIp ruckusSCGFtpPort ruckusSCGFileName ruckusSCGEventNodeName
Description	This event occurs after CSV export file transfer max retries reached.
Generated by Event Code	974

ruckuscsvDiskThresholdExceeded

TABLE 123 ruckuscsvDiskThresholdExceeded

Object Name	ruckuscsvDiskThresholdExceeded
Parent Node	ruckusSCGEventObjects
Object Identifier	1.3.6.1.4.1.25053.2.10.1.284
Trap Severity	Warning
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGEventNodeName ruckusSCGDiskThreshold ruckusSCGDiskAvailableDiskSize
Description	This event occurs when CSV export disk size has exceeded the threshold limit.
Generated by Event Code	975

ruckuscsvDiskMaxCapacityReached

TABLE 124 ruckuscsvDiskMaxCapacityReached

Object Name	ruckuscsvDiskMaxCapacityReached
Parent Node	ruckusSCGEventObjects
Object Identifier	1.3.6.1.4.1.25053.2.10.1.285
Trap Severity	Critical
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGEventNodeName ruckusSCGDiskAllocatedDiskSize
Description	This event occurs when CSV export disk maximum capacity reached.

TABLE 124 ruckuscsvDiskMaxCapacityReached (continued)

Object Name	ruckuscsvDiskMaxCapacityReached
Generated by Event Code	976

csvDiskThresholdBackToNormal

TABLE 125 csvDiskThresholdBackToNormal

Object Name	csvDiskThresholdBackToNormal
Parent Node	csvDiskThresholdBackToNormal
Object Identifier	1.3.6.1.4.1.25053.2.10.1.286
Trap Severity	Critical
Bindings	ruckusSCGEventSeverity ruckusSCGEventCode ruckusSCGEventType ruckusSCGEventNodeName ruckusSCGDiskCurrentUsedPercent ruckusSCGDiskAvailableDiskSize
Description	This event occurs when CSV export disk threshold back to normal.
Generated by Event Code	977

ruckusSZSystemLBSConnectSuccessTrap

TABLE 126 ruckusSZSystemLBSConnectSuccessTrap

Object Name	ruckusSZSystemLBSConnectSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.290
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZLBSURL ruckusSZLBSPort
Description	Triggered by the event when the controller successfully connects to the LS. The event severity, event code, event type, controller MAC address, controller node MAC address, LBS (Location Based Service) server URL and LBS port are displayed.
Generated by Event Code	723:scgLBSConnectSuccess

ruckusSZSystemLBSNoResponseTrap

TABLE 127 ruckusSZSystemLBSNoResponseTrap

Object Name	ruckusSZSystemLBSNoResponseTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.291
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZLBSURL ruckusSZLBSPort
Description	Triggered by the controller failure response event when connecting to the LS. The event severity, event code, event type, controller MAC address, controller node MAC address, LBS server URL and LBS port are displayed.
Generated by Event Code	721:scgLBSNoResponse

ruckusSZSystemLBSAuthFailedTrap

TABLE 128 ruckusSZSystemLBSAuthFailedTrap

Object Name	ruckusSZSystemLBSAuthFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.292
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZLBSURL ruckusSZLBSPort
Description	Triggered by the controller authentication failure event when connecting to the LS. The event severity, event code, event type, controller MAC address, controller node MAC address, LBS server URL and LBS port are displayed.
Generated by Event Code	722:scgLBSAuthFailed

ruckusSZSystemLBSConnectFailedTrap

TABLE 129 ruckusSZSystemLBSConnectFailedTrap

Object Name	ruckusSZSystemLBSConnectFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.293
Trap Severity	Major

TABLE 129 ruckusSZSystemLBSConnectFailedTrap (continued)

Object Name	ruckusSZSystemLBSConnectFailedTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZLBSURL ruckusSZLBSPort
Description	Triggered by the controller failed to connect to LS event. The event severity, event code, event type, node MAC address, management IP address, LBS server URL and LBS port are displayed.
Generated by Event Code	724:scgLBSConnectFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZSystemLBSConnectSuccessTrap on page 108 (.1.3.6.1.4.1.25053.2.11.1.290)
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZProcessRestartTrap

TABLE 130 ruckusSZProcessRestartTrap

Object Name	ruckusSZProcessRestartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.300
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by process restart event. The event severity, event code, event type, process name, node MAC address and management IP address are displayed.
Generated by Event Code	1001:processRestart

ruckusSZServiceUnavailableTrap

TABLE 131 ruckusSZServiceUnavailableTrap

Object Name	ruckusSZServiceUnavailableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.301
Trap Severity	Critical

TABLE 131 ruckusSZServiceUnavailableTrap (continued)

Object Name	ruckusSZServiceUnavailableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by service unavailable event. The event severity, event code, event type, process name, node MAC address and management IP address are displayed.
Generated by Event Code	1002:serviceUnavailable

ruckusSZKeepAliveFailureTrap

TABLE 132 ruckusSZKeepAliveFailureTrap

Object Name	ruckusSZKeepAliveFailureTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.302
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcProcess ruckusSZProcessName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by service keep alive failure event. The event severity, event code, event type, source process name, process name, node MAC address and management IP address are displayed.
Generated by Event Code	1003:keepAliveFailure

ruckusSZResourceUnavailableTrap

TABLE 133 ruckusSZResourceUnavailableTrap

Object Name	ruckusSZResourceUnavailableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.304
Trap Severity	Critical

TABLE 133 ruckusSZResourceUnavailableTrap (continued)

Object Name	ruckusSZResourceUnavailableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcProcess ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventReason
Description	Triggered by resource unavailable event. The event severity, event code, event type, source process name, node MAC address, management IP address and reason are displayed.
Generated by Event Code	1006:resourceUnavailable

ruckusSZSmfRegFailedTrap

TABLE 134 ruckusSZSmfRegFailedTrap

Object Name	ruckusSZSmfRegFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.305
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcProcess ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by SMF (System Management Framework) registration failed event. The event severity, event code, event type, source process name, node MAC address and management IP address are displayed.
Generated by Event Code	1010:smfRegFailed

ruckusSZHipFailoverTrap

NOTE
This trap is not applicable for vSZ-E.

TABLE 135 ruckusSZHipFailoverTrap

Object Name	ruckusSZHipFailoverTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.306
Trap Severity	Critical

TABLE 135 ruckusSZHipFailoverTrap (continued)

Object Name	ruckusSZHipFailoverTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcProcess ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by a HIP failover event. The event severity, event code, event type, source process name, event MAC address, node management IP address are displayed.
Generated by Event Code	1016:hipFailover

ruckusSZConfUpdFailedTrap

TABLE 136 ruckusSZConfUpdFailedTrap

Object Name	ruckusSZConfUpdFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.307
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventReason
Description	Triggered by configuration update failed event. The event severity, event code, event type, process name, node MAC address, management IP address and failure reason are displayed.
Generated by Event Code	1008:cfgUpdFailed

ruckusSZConfRcvFailedTrap

TABLE 137 ruckusSZConfRcvFailedTrap

Object Name	ruckusSZConfRcvFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.308
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventReason

TABLE 137 ruckusSZConfRcvFailedTrap (continued)

Object Name	ruckusSZConfRcvFailedTrap
Description	Triggered when the SmartZone receives a message from the AP that it has failed to update it's configuration. The event severity, event code, event type, node MAC address, management IP address and failure reason are displayed.
Generated by Event Code	1009:cfgRcvFailed

ruckusSZLostCnxnToDbladeTrap

TABLE 138 ruckusSZLostCnxnToDbladeTrap

Object Name	ruckusSZLostCnxnToDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.309
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIp ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by lost connection to data plane. The event severity, event code, event type, SZ control IP address, DP IP address, node MAC address and management IP address are displayed.
Generated by Event Code	1202:lostCnxnToDblade
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZConnectedToDbladeTrap on page 117 (.1.3.6.1.4.1.25053.2.11.1.350)
Cleared by Matching	:ruckusSZEventCtrlIP (.1.3.6.1.4.1.25053.2.11.2.12.0) ruckusSZDPIP (.1.3.6.1.4.1.25053.2.11.2.82.0)

ruckusSZAuthSrvrNotReachableTrap

TABLE 139 ruckusSZAuthSrvrNotReachableTrap

Object Name	ruckusSZAuthSrvrNotReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.314
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZAuthSrvrIp ruckusSZRadProxyIp ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp

TABLE 139 ruckusSZAuthSrvrNotReachableTrap (continued)

Object Name	ruckusSZAuthSrvrNotReachableTrap
Description	Triggered by authentication server not reachable event. The event severity, event code, event type, authentication server IP address, radius proxy IP address, node MAC address and management IP address are displayed.
Generated by Event Code	1601:authSrvrNotReachable

ruckusSZAccSrvrNotReachableTrap

TABLE 140 ruckusSZAccSrvrNotReachableTrap

Object Name	ruckusSZAccSrvrNotReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.315
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZAccSrvrIp ruckusSZRadProxyIp ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by accounting server not reachable event. The event severity, event code, event type, accounting server IP address, radius proxy IP address, node MAC address and management IP address are displayed.
Generated by Event Code	1602:accSrvrNotReachable

ruckusSZAuthFailedNonPermanentIDTrap

TABLE 141 ruckusSZAuthFailedNonPermanentIDTrap

Object Name	ruckusSZAuthFailedNonPermanentIDTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.317
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp ruckusSZEventReason
Description	Triggered by non-permanent ID authentication failed event. The event severity, event code, event type, UE imsi, UE msisdn, node MAC address, management IP address and failure reason are displayed.
Generated by Event Code	1617:non-permanentIDauthenticationfailed

ruckusSZAPAcctRespWhileInvalidConfigTrap

TABLE 142 ruckusSZAPAcctRespWhileInvalidConfigTrap

Object Name	ruckusSZAPAcctRespWhileInvalidConfigTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.347
Trap Severity	Debug
Bindings	ruckusSCGEventSeverity ruckusSCGEventType ruckusSCGSrcProcess ruckusSCGUserName ruckusSCGEventMacAddr ruckusSCGEventNodeMgmtIp ruckusSCGEventCode
Description	Triggered by the event where the controller sends a response to AP accounting message but the configuration is incorrect in the controller for forwarding received message or for generating CDRs. The event severity, event type, source process name, user name, controller node MAC IP address, management IP address and event are displayed.
Generated by Event Code	1909:apAcctRespWhileInvalidConfig

ruckusSZAPAcctMsgDropNoAcctStartMsgTrap

TABLE 143 ruckusSZAPAcctMsgDropNoAcctStartMsgTrap

Object Name	ruckusSZAPAcctMsgDropNoAcctStartMsgTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.348
Trap Severity	Critical
Bindings	ruckusSCGEventSeverity ruckusSCGEventType ruckusSCGSrcProcess ruckusSCGUserName ruckusSCGEventMacAddr ruckusSCGEventNodeMgmtIp ruckusSCGEventCode
Description	Triggered by the event where the accounting message from AP is dropped from the **Acct Interim/Stop** message since the account start is not received from the AP. The event severity, event type, source process name, user name, controller node MAC IP address, management IP address and event are displayed.
Generated by Event Code	1910:apAcctMsgDropNoAcctStartMsg

ruckusSZUnauthorizedCoaDmMessageDroppedTrap

TABLE 144 ruckusSZUnauthorizedCoaDmMessageDroppedTrap

Object Name	ruckusSZUnauthorizedCoaDmMessageDroppedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.349
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcProcess ruckusSZRadSrvrIp ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by the event where the controller receives COA/DM from an unauthorized AAA server. The event severity, event code, event type, source process name, AAA server IP address, node MAC address and management IP address are displayed.
Generated by Event Code	1911:unauthorizedCoaDmMessageDropped

ruckusSZConnectedToDbladeTrap

TABLE 145 ruckusSZConnectedToDbladeTrap

Object Name	ruckusSZConnectedToDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.350
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by successful connection to data plane event. The event severity, event code, event type, control plane IP address, data plane IP address, node MAC address, and management IP address are displayed.
Generated by Event Code	1201:connectedToDblade

ruckusSZSessUpdatedAtDbladeTrap

NOTE

This trap is not applicable for vSZ-E.

TABLE 146 ruckusSZSessUpdatedAtDbladeTrap

Object Name	ruckusSZSessUpdatedAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.354

TABLE 146 ruckusSZSessUpdatedAtDbladeTrap (continued)

Object Name	ruckusSZSessUpdatedAtDbladeTrap
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by successful update of session request (C-D-SESS-UPD-REQ) event. The event severity, event code, event type, control IP address, data plane IP address, IMSI code, MSIDN code and management IP address are displayed.
Generated by Event Code	1205:sessUpdatedAtDblade

ruckusSZSessUpdateErrAtDbladeTrap

TABLE 147 ruckusSZSessUpdateErrAtDbladeTrap

Object Name	ruckusSZSessUpdateErrAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.355
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by failed deletion of session request (C-D-SESS-DEL-REQ) event. The event severity, event code, event type, control IP address, data plane IP address, IMSI code, MSIDN code and management IP address are displayed.
Generated by Event Code	1206:sessUpdateErrAtDblade

ruckusSZSessDeletedAtDbladeTrap

TABLE 148 ruckusSZSessDeletedAtDbladeTrap

Object Name	ruckusSZSessDeletedAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.356

TABLE 148 ruckusSZSessDeletedAtDbladeTrap (continued)

Object Name	ruckusSZSessDeletedAtDbladeTrap
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by successful deletion of session request (C-D-SESS-DEL-REQ) event. The event severity, event code, event type, control IP address, data plane IP address, IMSI code, MSIDN code and management IP address are displayed.
Generated by Event Code	1207:sessDeletedAtDblade

ruckusSZSessDeleteErrAtDbladeTrap

TABLE 149 ruckusSZSessDeleteErrAtDbladeTrap

Object Name	ruckusSZSessDeleteErrAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.357
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp
Description	Triggered by deletion of session request (C-D-SESS-DEL-REQ) failed event. The event severity, event code, event type, control IP address, data plane IP address, IMSI code, MSIDN code and management IP address are displayed.
Generated by Event Code	1208:sessDeleteErrAtDblade

ruckusSZLicenseSyncSuccessTrap

TABLE 150 ruckusSZLicenseSyncSuccessTrap

Object Name	ruckusSZLicenseSyncSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.358

TABLE 150 ruckusSZLicenseSyncSuccessTrap (continued)

Object Name	ruckusSZLicenseSyncSuccessTrap
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZLicenseServerName
Description	Triggered by successful synchronization of license data with the license server event. The event severity, event code, event type, node name and license server name are displayed.
Generated by Event Code	1250:licenseSyncSuccess

ruckusSZLicenseSyncFailedTrap

TABLE 151 ruckusSZLicenseSyncFailedTrap

Object Name	ruckusSZLicenseSyncFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.359
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName ruckusSZLicenseServerName
Description	Triggered by synchronization of license data with the license server failed event. The event severity, event code, event type, node name and license server name are displayed.
Generated by Event Code	1251:licenseSyncFail

ruckusSZLicenseImportSuccessTrap

TABLE 152 ruckusSZLicenseImportSuccessTrap

Object Name	ruckusSZLicenseImportSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.360
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName
Description	Triggered by successful import of license data event. The event severity, event code, event type and node name are displayed.
Generated by Event Code	1252:licenseImportSuccess

ruckusSZLicenseImportFailedTrap

TABLE 153 ruckusSZLicenseImportFailedTrap

Object Name	ruckusSZLicenseImportFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.361
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventNodeName
Description	Triggered by import of license data failed event. The event severity, event code, event type and node name are displayed.
Generated by Event Code	1253:licenseImportFail

ruckusSZSyslogServerReachableTrap

TABLE 154 ruckusSZSyslogServerReachableTrap

Object Name	ruckusSZSyslogServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.370
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSyslogServerAddress ruckusSZEventMacAddr
Description	Triggered by the event when the syslog server is reachable. The event severity, event code, event type, syslog server address and event MAC address are displayed.
Generated by Event Code	750:syslogServerReachable

ruckusSZSyslogServerUnreachableTrap

TABLE 155 ruckusSZSyslogServerUnreachableTrap

Object Name	ruckusSZSyslogServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.371
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSyslogServerAddress ruckusSZEventMacAddr
Description	Triggered by the event when the syslog server is unreachable. The event severity, event code, event type, syslog server address and event MAC address are displayed.
Generated by Event Code	751:syslogServerUnreachable

TABLE 155 ruckusSZSyslogServerUnreachableTrap (continued)

Object Name	ruckusSZSyslogServerUnreachableTrap
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZSyslogServerReachableTrap on page 121 (.1.3.6.1.4.1.25053.2.11.1.370)
Cleared by Matching	ruckusSZSyslogServerAddress (.1.3.6.1.4.1.25053.2.11.2.154.0)

ruckusSZSyslogServerSwitchedTrap

TABLE 156 ruckusSZSyslogServerSwitchedTrap

Object Name	ruckusSZSyslogServerSwitchedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.372
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZSrcSyslogServerAddress ruckusSZDestSyslogServerAddress ruckusSZEventMacAddr
Description	Triggered by the event when the syslog server is switched. The event severity, event code, event type, syslog server source and destination address and event MAC address are displayed.
Generated by Event Code	752:syslogServerSwitched

ruckusSZAPRadiusServerReachableTrap

TABLE 157 ruckusSZAPRadiusServerReachableTrap

Object Name	ruckusSZAPRadiusServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.400
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZRadSrvrIp ruckusSZEventAPIPv6

TABLE 157 ruckusSZAPRadiusServerReachableTrap (continued)

Object Name	ruckusSZAPRadiusServerReachableTrap
Description	Triggered by the event when AP is able to reach the radius server successfully. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, zone name, server IP address and AP IPv6 address are displayed.
Generated by Event Code	2101:radiusServerReachable

ruckusSZAPRadiusServerUnreachableTrap

TABLE 158 ruckusSZAPRadiusServerUnreachableTrap

Object Name	ruckusSZAPRadiusServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.401
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZRadSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to reach the radius server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, server IP address and AP IPv6 address are displayed
Generated by Event Code	2102:radiusServerUnreachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPRadiusServerReachableTrap on page 122 (.1.3.6.1.4.1.25053.2.11.1.400)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0) ruckusSZRadSrvrIp (.1.3.6.1.4.1.25053.2.11.2.312.0)

ruckusSZAPLDAPServerReachableTrap

TABLE 159 ruckusSZAPLDAPServerReachableTrap

Object Name	ruckusSZAPLDAPServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.402
Trap Severity	Informational

TABLE 159 ruckusSZAPLDAPServerReachableTrap (continued)

Object Name	ruckusSZAPLDAPServerReachableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLDAPSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP is able to reach the lightweight directory access protocol (LDAP) server successfully. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, server IP address and AP IPv6 address are displayed
Generated by Event Code	2121:ldapServerReachable

ruckusSZAPLDAPServerUnreachableTrap

TABLE 160 ruckusSZAPLDAPServerUnreachableTrap

Object Name	ruckusSZAPLDAPServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.403
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZLDAPSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to reach the lightweight directory access protocol (LDAP) server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, server IP address and AP IPv6 address are display.
Generated by Event Code	2122:ldapServerUnreachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPLDAPServerReachableTrap on page 123 (.1.3.6.1.4.1.25053.2.11.1.402)

TABLE 160 ruckusSZAPLDAPServerUnreachableTrap (continued)

Object Name	ruckusSZAPLDAPServerUnreachableTrap
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0) ruckusSZLDAPSrvrIp (.1.3.6.1.4.1.25053.2.11.2.327.0)

ruckusSZAPADServerReachableTrap

TABLE 161 ruckusSZAPADServerReachableTrap

Object Name	ruckusSZAPADServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.404
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZADSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP is able to reach the active directory successfully. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, server IP address and AP IPv6 address are displayed.
Generated by Event Code	2141:adServerReachable

ruckusSZAPADServerUnreachableTrap

TABLE 162 ruckusSZAPADServerUnreachableTrap

Object Name	ruckusSCGAPADServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.405
Trap Severity	Major

TABLE 162 ruckusSZAPADServerUnreachableTrap (continued)

Object Name	ruckusSCGAPADServerUnreachableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZADSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to reach AD server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, AD server IP address and AP IPv6 address are displayed.
Generated by Event Code	2142:adServerUnreachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPADServerReachableTrap on page 125 (.1.3.6.1.4.1.25053.2.11.1.404)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0) ruckusSZADSrvrIp (.1.3.6.1.4.1.25053.2.11.2.328.0)

ruckusSZAPUsbSoftwarePackageDownloadedTrap

TABLE 163 ruckusSZAPUsbSoftwarePackageDownloadedTrap

Object Name	ruckusSZAPUsbSoftwarePackageDownloadedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.406
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZSoftwareName ruckusSZEventAPIPv6

TABLE 163 ruckusSZAPUsbSoftwarePackageDownloadedTrap (continued)

Object Name	ruckusSZAPUsbSoftwarePackageDownloadedTrap
Description	Triggered by the event when AP successfully downloads its USB (Universal Serial Bus) software. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, software name and AP IPv6 address are displayed.
Generated by Event Code	370:apUsbSoftwarePackageDownloaded

ruckusSZAPUsbSoftwarePackageDownloadFailedTrap

TABLE 164 ruckusSZAPUsbSoftwarePackageDownloadFailedTrap

Object Name	ruckusSZAPUsbSoftwarePackageDownloadFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.407
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZSoftwareName ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to downloads its USB (Universal Serial Bus) software. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, software name and AP IPv6 address are displayed.
Generated by Event Code	371:apUsbSoftwarePackageDownloadFailed

ruckusSZEspAuthServerReachableTrap

TABLE 165 ruckusSZEspAuthServerReachableTrap

Object Name	ruckusSZEspAuthServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.408
Trap Severity	Informational

TABLE 165 ruckusSZEspAuthServerReachableTrap (continued)

Object Name	ruckusSZEspAuthServerReachableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAuthSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP successfully reaches WeChat ESP authentication server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, authentication server IP address and AP IPv6 address are displayed.
Generated by Event Code	2151:espAuthServerReachable

ruckusSZEspAuthServerUnreachableTrap

TABLE 166 ruckusSZEspAuthServerUnreachableTrap

Object Name	ruckusSZEspAuthServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.409
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZAuthSrvrIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to reach WeChat ESP authentication server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, authentication server IP address and AP IPv6 address are displayed.
Generated by Event Code	2152:espAuthServerUnreachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZEspAuthServerReachableTrap on page 127 (.1.3.6.1.4.1.25053.2.11.1.408)

TABLE 166 ruckusSZEspAuthServerUnreachableTrap (continued)

Object Name	ruckusSZEspAuthServerUnreachableTrap
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZEspAuthServerResolvableTrap

TABLE 167 ruckusSZEspAuthServerResolvableTrap

Object Name	ruckusSZEspAuthServerResolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.410
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDomainName ruckusSZEventAPIPv6
Description	Triggered by the event when AP successfully resolves WeChat ESP authentication server domain name. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, domain name and AP IPv6 address are displayed.
Generated by Event Code	2153:espAuthServerResolvable

ruckusSZEspAuthServerUnResolvableTrap

TABLE 168 ruckusSZEspAuthServerUnResolvableTrap

Object Name	ruckusSZEspAuthServerUnResolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.411
Trap Severity	Major

TABLE 168 ruckusSZEspAuthServerUnResolvableTrap (continued)

Object Name	ruckusSZEspAuthServerUnResolvableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDomainName ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to resolve WeChat ESP authentication server domain name. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, domain name and AP IPv6 address are displayed.
Generated by Event Code	2154:espAuthServerUnResolvable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZEspAuthServerResolvableTrap on page 129 (.1.3.6.1.4.1.25053.2.11.1.410)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZEspDNATServerReachableTrap

TABLE 169 ruckusSZEspDNATServerReachableTrap

Object Name	ruckusSZEspDNATServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.412
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDNATIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP successfully reaches WeChat ESP DNAT server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, DNAT server IP address and AP IPv6 address are displayed.

TABLE 169 ruckusSZEspDNATServerReachableTrap (continued)

Object Name	ruckusSZEspDNATServerReachableTrap
Generated by Event Code	2161:espDNATServerReachable

ruckusSZEspDNATServerUnreachableTrap

TABLE 170 ruckusSZEspDNATServerUnreachableTrap

Object Name	ruckusSZEspDNATServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.413
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDNATIp ruckusSZEventAPIPv6
Description	Triggered by the event when AP fails to reach WeChat ESP DNAT server. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, DNAT server IP address and AP IPv6 address are displayed.
Generated by Event Code	2162:espDNATServerUnreachable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZEspDNATServerReachableTrap on page 130 (.1.3.6.1.4.1.25053.2.11.1.412)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZEspDNATServerResolvableTrap

TABLE 171 ruckusSZEspDNATServerResolvableTrap

Object Name	ruckusSZEspDNATServerResolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.414
Trap Severity	Informational

TABLE 171 ruckusSZEspDNATServerResolvableTrap (continued)

Object Name	ruckusSZEspDNATServerResolvableTrap
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDomainName ruckusSZEventAPIPv6
Description	Triggered by the event when AP successfully resolves WeChat ESP DNAT server domain name The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, domain name and AP IPv6 address are displayed.
Generated by Event Code	2163:espDNATServerResolvable

ruckusSZEspDNATServerUnresolvableTrap

TABLE 172 ruckusSZEspDNATServerUnresolvableTrap

Object Name	ruckusSZEspDNATServerUnresolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.415
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZDomainName ruckusSZEventAPIPv6
Description	Triggered by the event AP fails to resolve WeChat ESP DNAT server domain name. The event severity, event code, event type, AP name, AP MAC address, AP IP address, AP location, AP description, AP GPS coordinates, domain name and AP IPv6 address are displayed.
Generated by Event Code	2164:espDNATServerUnresolvable
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZEspDNATServerResolvableTrap on page 131 (.1.3.6.1.4.1.25053.2.11.1.414)

TABLE 172 ruckusSZEspDNATServerUnresolvableTrap (continued)

Object Name	ruckusSZEspDNATServerUnresolvableTrap
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusRateLimitTORSurpassedTrap

TABLE 173 ruckusRateLimitTORSurpassedTrap

Object Name	ruckusRateLimitTORSurpassedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.500
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZRadSrvrIp
Description	Triggered by the event where the SmartZone receives the rate limit for Total Outstanding Requests (TOR) is surpassed. The event severity, event code, event type and AAA server IP address are displayed.
Generated by Event Code	1302:rateLimitTORSurpassed

ruckusSZIPSecTunnelAssociatedTrap

TABLE 174 ruckusSZIPSecTunnelAssociatedTrap

Object Name	ruckusSZIPSecTunnelAssociatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.600
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZIPSecGWAddress ruckusSZEventAPIPv6
Description	Triggered by the event where the AP is able to reach the secure gateway successfully. The event severity, event code, event type, AP name, MAC address, IP address, location, description, GPS coordinates, IPsec gateway address and IPv6 version are displayed.
Generated by Event Code	660:ipsecTunnelAssociated

ruckusSZIPSecTunnelDisassociatedTrap

TABLE 175 ruckusSZIPSecTunnelDisassociatedTrap

Object Name	ruckusSZIPSecTunnelDisassociatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.601
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZIPSecGWAddress ruckusSZEventAPIPv6
Description	Triggered by the event where the AP is disconnected from the secure gateway. The event severity, event code, event type, AP name, MAC address, IP address, location, description, GPS coordinates, IPsec gateway address and IPv6 version are displayed.
Generated by Event Code	661:ipsecTunnelDisassociated

ruckusSZIPSecTunnelAssociateFailedTrap

TABLE 176 ruckusSZIPSecTunnelAssociateFailedTrap

Object Name	ruckusSZIPSecTunnelAssociateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.602
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZIPSecGWAddress ruckusSZEventAPIPv6
Description	Triggered by the event where the AP is unable to reach the secure gateway. The event severity, event type, AP name, MAC address, IP address, location, description, GPS coordinates, IPsec gateway address, and IPv6 version are displayed.

TABLE 176 ruckusSZIPSecTunnelAssociateFailedTrap (continued)

Object Name	ruckusSZIPSecTunnelAssociateFailedTrap
Generated by Event Code	662:ipsecTunnelAssociateFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIPSecTunnelAssociatedTrap on page 133 (.1.3.6.1.4.1.25053.2.11.1.600)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

Ruckus Event Object

The objects contained in the RUCKUS-SZ-EVENT-Object group define the events for sending tap event notifications by the controller. All traps are triggered by events. The following are the trap object definitions.

Event Object	Object Identifier
ruckusSZEventDescription on page 137	.1.3.6.1.4.1.25053.2.11.2.1
ruckusSZClusterName on page 137	.1.3.6.1.4.1.25053.2.11.2.2
ruckusSZEventCode on page 137	.1.3.6.1.4.1.25053.2.11.2.10
ruckusSZProcessName on page 137	.1.3.6.1.4.1.25053.2.11.2.11
ruckusSZEventCtrlIP on page 137	.1.3.6.1.4.1.25053.2.11.2.12
ruckusSZEventSeverity on page 137	.1.3.6.1.4.1.25053.2.11.2.13
ruckusSZEventType on page 138	.1.3.6.1.4.1.25053.2.11.2.14
ruckusSZEventNodeMgmtIp on page 138	.1.3.6.1.4.1.25053.2.11.2.15
ruckusSZEventNodeName on page 138	.1.3.6.1.4.1.25053.2.11.2.16
ruckusSZCPUPerc on page 138	.1.3.6.1.4.1.25053.2.11.2.17
ruckusSZMemoryPerc on page 138	.1.3.6.1.4.1.25053.2.11.2.18
ruckusSZDiskPerc on page 138	.1.3.6.1.4.1.25053.2.11.2.19
ruckusSZEventMacAddr on page 139	.1.3.6.1.4.1.25053.2.11.2.20
ruckusSZEventFirmwareVersion on page 139	.1.3.6.1.4.1.25053.2.11.2.21
ruckusSZEventUpgradedFirmwareVersion on page 139	.1.3.6.1.4.1.25053.2.11.2.22
ruckusSZEventAPMacAddr on page 139	.1.3.6.1.4.1.25053.2.11.2.23
ruckusSZEventReason on page 139	.1.3.6.1.4.1.25053.2.11.2.24
ruckusSZEventAPName on page 139	.1.3.6.1.4.1.25053.2.11.2.25
ruckusSZEventAPIP on page 140	.1.3.6.1.4.1.25053.2.11.2.26
ruckusSZEventAPLocation on page 140	.1.3.6.1.4.1.25053.2.11.2.27
ruckusSZEventAPGPSCoordinates on page 140	.1.3.6.1.4.1.25053.2.11.2.28
ruckusSZEventAPDescription on page 140	.1.3.6.1.4.1.25053.2.11.2.29
ruckusSZAPModel on page 140	.1.3.6.1.4.1.25053.2.11.2.31
ruckusSZConfigAPModel on page 140	.1.3.6.1.4.1.25053.2.11.2.32
ruckusSZAPConfigID on page 141	.1.3.6.1.4.1.25053.2.11.2.33
ruckusSZEventAPIPv6 on page 141	.1.3.6.1.4.1.25053.2.11.2.35
ruckusSZLBSURL on page 141	.1.3.6.1.4.1.25053.2.11.2.38
ruckusSZLBSPort on page 141	.1.3.6.1.4.1.25053.2.11.2.39
ruckusSZEventSSID on page 141	.1.3.6.1.4.1.25053.2.11.2.40
ruckusSZEventRogueMac on page 141	.1.3.6.1.4.1.25053.2.11.2.45

Event Object	Object Identifier
ruckusPrimaryGRE on page 142	.1.3.6.1.4.1.25053.2.11.2.46
ruckusSecondaryGRE on page 142	.1.3.6.1.4.1.25053.2.11.2.47
ruckusSoftGREGatewayList on page 142	.1.3.6.1.4.1.25053.2.11.2.48
ruckusSZSoftGREGWAddress on page 142	.1.3.6.1.4.1.25053.2.11.2.49
ruckusSZEventClientMacAddr on page 142	.1.3.6.1.4.1.25053.2.11.2.50
ruckusSZDPKey on page 142	.1.3.6.1.4.1.25053.2.11.2.80
ruckusSZDPConfigID on page 143	.1.3.6.1.4.1.25053.2.11.2.81
ruckusSZDPIP on page 143	.1.3.6.1.4.1.25053.2.11.2.82
ruckusSZNetworkPortID on page 143	.1.3.6.1.4.1.25053.2.11.2.100
ruckusSZNetworkInterface on page 143	.1.3.6.1.4.1.25053.2.11.2.101
ruckusSZSwitchStatus on page 143	.1.3.6.1.4.1.25053.2.11.2.102
ruckusSZTemperatureStatus on page 143	.1.3.6.1.4.1.25053.2.11.2.120
ruckusSZProcessorId on page 144	.1.3.6.1.4.1.25053.2.11.2.121
ruckusSZFanid on page 144	.1.3.6.1.4.1.25053.2.11.2.122
ruckusSZFanStatus on page 144	.1.3.6.1.4.1.25053.2.11.2.123
ruckusSZLicenseType on page 144	.1.3.6.1.4.1.25053.2.11.2.150
ruckusSZLicenseUsagePerc on page 144	.1.3.6.1.4.1.25053.2.11.2.151
ruckusSZLicenseServerName on page 144	.1.3.6.1.4.1.25053.2.11.2.152
ruckusSZIPSecGWAddress on page 145	.1.3.6.1.4.1.25053.2.11.2.153
ruckusSZSyslogServerAddress on page 145	.1.3.6.1.4.1.25053.2.11.2.154
ruckusSZSrcSyslogServerAddress on page 145	.1.3.6.1.4.1.25053.2.11.2.155
ruckusSZDestSyslogServerAddress on page 145	.1.3.6.1.4.1.25053.2.11.2.156
ruckusSZFtpIp on page 145	.1.3.6.1.4.1.25053.2.11.2.200
ruckusSZFtpPort on page 145	.1.3.6.1.4.1.25053.2.11.2.201
ruckusSZUEImsi on page 146	.1.3.6.1.4.1.25053.2.11.2.305
ruckusSZUEMsisdn on page 146	.1.3.6.1.4.1.25053.2.11.2.306
ruckusSZAuthSrvrIp on page 146	.1.3.6.1.4.1.25053.2.11.2.307
ruckusSZRadProxyIp on page 146	.1.3.6.1.4.1.25053.2.11.2.308
ruckusSZAccSrvrIp on page 146	.1.3.6.1.4.1.25053.2.11.2.309
ruckusSZRadSrvrIp on page 146	.1.3.6.1.4.1.25053.2.11.2.312
ruckusSZUserName on page 147	.1.3.6.1.4.1.25053.2.11.2.324
ruckusSZFileName on page 147	.1.3.6.1.4.1.25053.2.11.2.326
ruckusSZLDAPSrvrIp on page 147	.1.3.6.1.4.1.25053.2.11.2.327
ruckusSZADSrvrIp on page 147	.1.3.6.1.4.1.25053.2.11.2.328
ruckusSZSoftwareName on page 147	.1.3.6.1.4.1.25053.2.11.2.329
ruckusSZDomainName on page 147	.1.3.6.1.4.1.25053.2.11.2.330
rruckusSZDNATIp on page 148	.1.3.6.1.4.1.25053.2.11.2.331

ruckusSZEventDescription

TABLE 177 ruckusSZEventDescription

Object Name	ruckusSZEventDescription
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.1
Description	Event description.

ruckusSZClusterName

TABLE 178 ruckusSZClusterName

Object Name	ruckusSZClusterName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.2
Description	The SmartZone cluster name

ruckusSZEventCode

TABLE 179 ruckusSZEventCode

Object Name	ruckusSZEventCode
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.10
Description	The event code

ruckusSZProcessName

TABLE 180 ruckusSZProcessName

Object Name	ruckusSZProcessName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.11
Description	The process name.

ruckusSZEventCtrlIP

TABLE 181 ruckusSZEventCtrlIP

Object Name	ruckusSZEventCtrlIP
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.12
Description	The SmartZone node control IP address.

ruckusSZEventSeverity

TABLE 182 ruckusSZEventSeverity

Object Name	ruckusSZEventSeverity
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.13
Description	The event severity.

ruckusSZEventType

TABLE 183 ruckusSZEventType

Object Name	ruckusSZEventType
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.14
Description	The event type.

ruckusSZEventNodeMgmtIp

TABLE 184 ruckusSZEventNodeMgmtIp

Object Name	ruckusSZEventNodeMgmtIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.15
Description	The SmartZone management IP address.

ruckusSZEventNodeName

TABLE 185 ruckusSZEventNodeName

Object Name	ruckusSZEventNodeName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.16
Description	The SmartZone node name.

ruckusSZCPUPerc

TABLE 186 ruckusSZCPUPerc

Object Name	ruckusSZCPUPerc
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.17
Description	The SmartZone CPU usage in percentage.

ruckusSZMemoryPerc

TABLE 187 ruckusSZMemoryPerc

Object Name	ruckusSZMemoryPerc
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.18
Description	The SmartZone memory usage in percentage.

ruckusSZDiskPerc

TABLE 188 ruckusSZDiskPerc

Object Name	ruckusSZDiskPerc
Object Identifier	.1.3.6.1.4.1.25053.2.10.2.19
Description	The SmartZone disk usage in percentage.

ruckusSZEventMacAddr

TABLE 189 ruckusSZEventMacAddr

Object Name	ruckusSZEventMacAddr
Object Identifier	.1.3.6.1.4.1.25053.2.10.2.20
Description	The SmartZone MAC address

ruckusSZEventFirmwareVersion

TABLE 190 ruckusSZEventFirmwareVersion

Object Name	ruckusSZEventFirmwareVersion
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.21
Description	The SmartZone firmware version.

ruckusSZEventUpgradedFirmwareVersion

TABLE 191 ruckusSZEventUpgradedFirmwareVersion

Object Name	ruckusSZEventUpgradedFirmwareVersion
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.22
Description	Controller upgrade firmware version.

ruckusSZEventAPMacAddr

TABLE 192 ruckusSZEventAPMacAddr

Object Name	ruckusSZEventAPMacAddr
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.23
Description	The AP MAC address

ruckusSZEventReason

TABLE 193 ruckusSZEventReason

Object Name	ruckusSZEventReason
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.24
Description	The event reason.

ruckusSZEventAPName

TABLE 194 ruckusSZEventAPName

Object Name	ruckusSZEventAPName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.25
Description	The AP name.

ruckusSZEventAPIP

TABLE 195 ruckusSZEventAPIP

Object Name	ruckusSZEventAPIP
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.26
Description	The AP IP address.

ruckusSZEventAPLocation

TABLE 196 ruckusSZEventAPLocation

Object Name	ruckusSZEventAPLocation
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.27
Description	The AP location.

ruckusSZEventAPGPSCoordinates

TABLE 197 ruckusSZEventAPGPSCoordinates

Object Name	ruckusSZEventAPGPSCoordinates
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.28
Description	The AP GPS coordinates.

ruckusSZEventAPDescription

TABLE 198 ruckusSZEventAPDescription

Object Name	ruckusSZEventAPDescription
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.29
Description	The AP description

ruckusSZAPModel

TABLE 199 ruckusSZAPModel

Object Name	ruckusSZAPModel
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.31
Description	The AP model.

ruckusSZConfigAPModel

TABLE 200 ruckusSZConfigAPModel

Object Name	ruckusSZConfigAPModel
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.32
Description	The configured AP model.

ruckusSZAPConfigID

TABLE 201 ruckusSZAPConfigID

Object Name	ruckusSZAPConfigID
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.33
Description	The AP configuration UUID.

ruckusSZEventAPIPv6

TABLE 202 ruckusSZEventAPIPv6

Object Name	ruckusSZEventAPIPv6
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.35
Description	The AP IPv6 address.

ruckusSZLBSURL

TABLE 203 ruckusSZLBSURL

Object Name	ruckusSZLBSURL
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.38
Description	URL of the LBS server.

ruckusSZLBSPort

TABLE 204 ruckusSZLBSPort

Object Name	ruckusSZLBSPort
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.39
Description	Port of the LBS server.

ruckusSZEventSSID

TABLE 205 ruckusSZEventSSID

Object Name	ruckusSZEventSSID
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.40
Description	The WLAN SSID.

ruckusSZEventRogueMac

TABLE 206 ruckusSZEventRogueMac

Object Name	ruckusSZEventRogueMac
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.45
Description	The rouge MAC address.

ruckusPrimaryGRE

TABLE 207 ruckusPrimaryGRE

Object Name	ruckusPrimaryGRE
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.46
Description	The primary GRE gateway.

ruckusSecondaryGRE

TABLE 208 ruckusSecondaryGRE

Object Name	ruckusSecondaryGRE
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.47
Description	The secondary GRE gateway.

ruckusSoftGREGatewayList

TABLE 209 ruckusSoftGREGatewayList

Object Name	ruckusSoftGREGatewayList
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.48
Description	The SoftGRE gateway list. It could either be the IP address or FQDN and must have only two IPs or DN, which is separated by a semicolon (;)

ruckusSZSoftGREGWAddress

TABLE 210 ruckusSZSoftGREGWAddress

Object Name	ruckusSZSoftGREGWAddress
Object Identifier	.1.3.6.1.4.1.25053.2.10.2.49
Description	The SoftGRE gateway IP address.

ruckusSZEventClientMacAddr

TABLE 211 ruckusSZEventClientMacAddr

Object Name	ruckusSZEventClientMacAddr
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.50
Description	The client MAC address.

ruckusSZDPKey

TABLE 212 ruckusSZDPKey

Object Name	ruckusSZDPKey
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.80
Description	The data plane identifier.

ruckusSZDPConfigID

TABLE 213 ruckusSZDPConfigID

Object Name	ruckusSZDPConfigID
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.81
Description	The data plane configuration ID.

ruckusSZDPIP

TABLE 214 ruckusSZDPIP

Object Name	ruckusSZDPIP
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.82
Description	The data plane IP address.

ruckusSZNetworkPortID

TABLE 215 ruckusSZNetworkPortID

Object Name	ruckusSZNetworkPortID
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.100
Description	The network port ID.

ruckusSZNetworkInterface

TABLE 216 ruckusSZNetworkInterface

Object Name	ruckusSZNetworkInterface
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.101
Description	The network interface.

ruckusSZSwitchStatus

TABLE 217 ruckusSZSwitchStatus

Object Name	ruckusSZSwitchStatus
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.102
Description	The switch status.

ruckusSZTemperatureStatus

TABLE 218 ruckusSZTemperatureStatus

Object Name	ruckusSZTemperatureStatus
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.120
Description	The temperature status.

ruckusSZProcessorId

TABLE 219 ruckusSZProcessorId

Object Name	ruckusSZProcessorId
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.121
Description	The processor ID.

ruckusSZFanid

TABLE 220 ruckusSZFanid

Object Name	ruckusSZFanid
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.122
Description	The fan module ID.

ruckusSZFanStatus

TABLE 221 ruckusSZFanStatus

Object Name	ruckusSZFanStatus
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.123
Description	The fan module status.

ruckusSZLicenseType

TABLE 222 ruckusSZLicenseType

Object Name	ruckusSZLicenseType
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.150
Description	The license type

ruckusSZLicenseUsagePerc

TABLE 223 ruckusSZLicenseUsagePerc

Object Name	ruckusSZLicenseUsagePerc
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.151
Description	The license usage in percentage.

ruckusSZLicenseServerName

TABLE 224 ruckusSZLicenseServerName

Object Name	ruckusSZLicenseServerName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.152
Description	The license server name.

ruckusSZIPSecGWAddress

TABLE 225 ruckusSZIPSecGWAddress

Object Name	ruckusSZIPSecGWAddress
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.153
Description	The secure gateway address.

ruckusSZSyslogServerAddress

TABLE 226 ruckusSZSyslogServerAddress

Object Name	ruckusSZSyslogServerAddress
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.154
Description	The syslog server address.

ruckusSZSrcSyslogServerAddress

TABLE 227 ruckusSZSrcSyslogServerAddress

Object Name	ruckusSZSrcSyslogServerAddress
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.155
Description	The source address of the syslog server.

ruckusSZDestSyslogServerAddress

TABLE 228 ruckusSZDestSyslogServerAddress

Object Name	ruckusSZDestSyslogServerAddress
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.156
Description	The destination address of the syslog server.

ruckusSZFtpIp

TABLE 229 ruckusSZFtpIp

Object Name	ruckusSZFtpIp
Object Identifier	.1.3.6.1.4.1.25053.2.10.2.200
Description	The FTP server IP address.

ruckusSZFtpPort

TABLE 230 ruckusSZFtpPort

Object Name	ruckusSZFtpPort
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.201
Description	The FTP server port.

ruckusSZUEImsi

TABLE 231 ruckusSZUEImsi

Object Name	ruckusSZUEImsi
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.305
Description	The UE IMSI.

ruckusSZUEMsisdn

TABLE 232 ruckusSZUEMsisdn

Object Name	ruckusSZUEMsisdn
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.306
Description	The UE MSISDN.

ruckusSZAuthSrvrIp

TABLE 233 ruckusSZAuthSrvrIp

Object Name	ruckusSZAuthSrvrIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.307
Description	The authentication server IP address.

ruckusSZRadProxyIp

TABLE 234 ruckusSZRadProxyIp

Object Name	ruckusSZRadProxyIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.308
Description	The RADIUS proxy IP address.

ruckusSZAccSrvrIp

TABLE 235 ruckusSZAccSrvrIp

Object Name	ruckusSZAccSrvrIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.309
Description	The accounting server IP address.

ruckusSZRadSrvrIp

TABLE 236 ruckusSZRadSrvrIp

Object Name	ruckusSZRadSrvrIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.312
Description	The RADIUS server IP address.

ruckusSZUserName

TABLE 237 ruckusSZUserName

Object Name	ruckusSZUserName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.324
Description	The user name.

ruckusSZFileName

TABLE 238 ruckusSZFileName

Object Name	ruckusSZFileName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.326
Description	The file name.

ruckusSZLDAPSrvrIp

TABLE 239 ruckusSZLDAPSrvrIp

Object Name	ruckusSZLDAPSrvrIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.327
Description	IP address of LDAP server.

ruckusSZADSrvrIp

TABLE 240 ruckusSZADSrvrIp

Object Name	ruckusSZADSrvrIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.328
Description	IP address of AD server.

ruckusSZSoftwareName

TABLE 241 ruckusSZSoftwareName

Object Name	ruckusSZSoftwareName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.329
Description	Name of the software.

ruckusSZDomainName

TABLE 242 ruckusSZDomainName

Object Name	ruckusSZDomainName
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.330
Description	Name of the domain.

ruckusSZDNATIp

TABLE 243 ruckusSZDNATIp

Object Name	ruckusSZDNATIp
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.331
Description	IP address of DNAT server.

Ruckus System MIB

Introduction

The objects contained in the RUCKUS-SZ-SYSTEM-MIB provide information about the controller system, including its WLAN traffic, managed APs, wireless clients associated with the managed APs, and CPU and memory utilization. The following are the MIB definition system level statistics nodes for RUCKUS-SZ-SYSTEM-MIB.

NOTE
For details on alarms and events refer to *SmartZone 100 Alarms and Events Guide*.

ruckusSZSystemStatsNumAP

TABLE 244 ruckusSZSystemStatsNumAP

Object Name	ruckusSZSystemStatsNumAP
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.1
Description	The number of APs.

ruckusSZSystemStatsNumSta

TABLE 245 ruckusSZSystemStatsNumSta

Object Name	ruckusSZSystemStatsNumSta
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.2

TABLE 245 ruckusSZSystemStatsNumSta (continued)

Object Name	ruckusSZSystemStatsNumSta
Description	The number of associated clients.

ruckusSZSystemStatsWLANTotalRxPkts

TABLE 246 ruckusSZSystemStatsWLANTotalRxPkts

Object Name	ruckusSZSystemStatsWLANTotalRxPkts
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.5
Description	The total number of received packets in WLAN.

ruckusSZSystemStatsWLANTotalRxBytes

TABLE 247 ruckusSZSystemStatsWLANTotalRxBytes

Object Name	ruckusSZSystemStatsWLANTotalRxBytes
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.6
Description	The total number of received bytes in WLAN.

ruckusSZSystemStatsWLANTotalRxMulticast

TABLE 248 ruckusSZSystemStatsWLANTotalRxMulticast

Object Name	ruckusSZSystemStatsWLANTotalRxMulticast
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.7
Description	The total number of received multicast packets in WLAN.

ruckusSZSystemStatsWLANTotalTxPkts

TABLE 249 ruckusSZSystemStatsWLANTotalTxPkts

Object Name	ruckusSZSystemStatsWLANTotalTxPkts
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.3.1.1.1.15.8
Description	The total number of transmitted packets in WLAN.

ruckusSZSystemStatsWLANTotalTxBytes

TABLE 250 ruckusSZSystemStatsWLANTotalTxBytes

Object Name	ruckusSZSystemStatsWLANTotalTxBytes
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.9

TABLE 250 ruckusSZSystemStatsWLANTotalTxBytes (continued)

Object Name	ruckusSZSystemStatsWLANTotalTxBytes
Description	The total number of transmitted bytes in WLAN.

ruckusSZSystemStatsWLANTotalTxMulticast

TABLE 251 ruckusSZSystemStatsWLANTotalTxMulticast

Object Name	ruckusSZSystemStatsWLANTotalTxMulticast
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.10
Description	The total number of transmitted multicast packets in WLAN.

ruckusSZSystemStatsWLANTotalTxFail

TABLE 252 ruckusSZSystemStatsWLANTotalTxFail

Object Name	ruckusSZSystemStatsWLANTotalTxFail
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.11
Description	The total number of failed transmitted packets in WLAN

ruckusSZSystemStatsWLANTotalTxRetry

TABLE 253 ruckusSZSystemStatsWLANTotalTxRetry

Object Name	ruckusSZSystemStatsWLANTotalTxRetry
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.12
Description	The total number of retry transmitted packets in WLAN

ruckusSZSystemStatsSerialNumber

TABLE 254 ruckusSZSystemStatsSerialNumber

Object Name	ruckusSZSystemStatsSerialNumber
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.13
Description	The SmartZone serial number.

Ruckus System Command (SysCommands)

System command (**SysCommands**) MIBs define the performing system commands for SZ node. Users can use the `snmpset OID.0 <value type> <value>` to perform system commands. For example,

```
snmpset -v2c -c private -mall 172.17.50.100 RUCKUS-CTRL- MIB::ruckusCTRLSysCmdReboot.0 i run-reboot
```

NOTE
.0 is appended after the OID.

ruckusCTRLSysCmdReboot

TABLE 255 ruckusCTRLSysCmdReboot

Object Name	ruckusCTRLSysCmdReboot
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.13
Description	This object defines the system command for SZ node. Command to reboot SZ is: • **0**- Normal (default value), which means that the system has completed the reboot command or the system has been rebooted. • **1** - Run-reboot - once the value is set as run-reboot, user cannot stop it until the system is setup again. Users can only set OID as this value. **NOTE** This command may fail to reboot the system due to the cluster operation. If it set as reboot successfully, SNMP daemon will be stopped immediately. Therefore, it should wait until the system is up again. For example: `snmpset -v2c -c private -mall 172.17.50.100 RUCKUS-CTRL-MIB::ruckusCTRLSysCmdReboot.0 i run-reboot`

Ruckus Controller System Node Table

The Following MIBs contained in the controller **System Node** table **(ruckusCtrlSystemNodeTable)** define the system information of each node in a cluster.

The index of the table is `ruckusCtrlSystemNodeSerialNumber`.

- ruckusCtrlSystemNodeClusterHARoles on page 156

ruckusCtrlSystemNodeEntry

TABLE 256 ruckusCtrlSystemNodeEntry

Object Name	ruckusCtrlSystemNodeEntry
Parent Node	ruckusCtrlSystemNodeEntry
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1
Description	The index to this table is ruckusCtrlSystemNodeSerialNumber.

ruckusCtrlSystemNodeName

TABLE 257 ruckusCtrlSystemNodeName

Object Name	ruckusCtrlSystemNodeName
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1.2
Description	Displays the node name.

ruckusCtrlSystemNodeMgmtIp

TABLE 258 ruckusCtrlSystemNodeMgmtIp

Object Name	ruckusCtrlSystemNodeMgmtIp
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1.11
Description	The node Management IP address.

ruckusCtrlSystemNodeMgmtIpv6

TABLE 259 ruckusCtrlSystemNodeMgmtIpv6

Object Name	ruckusCtrlSystemNodeMgmtIpv6
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1.12
Description	The node Management IP v6 address.

ruckusCtrlSystemNodeMgmtMac

TABLE 260 ruckusCtrlSystemNodeMgmtMac

Object Name	ruckusCtrlSystemNodeMgmtMac
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1.13
Description	The node Management MAC address.

ruckusCtrlSystemNodeModel

TABLE 261 ruckusCtrlSystemNodeModel

Object Name	ruckusCtrlSystemNodeModel
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.3
Description	Displays the node model.

ruckusCtrlSystemNodeVersion

TABLE 262 ruckusCtrlSystemNodeVersion

Object Name	ruckusCtrlSystemNodeVersion
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.9
Description	Displays the controller software version.

ruckusCtrlSystemNodeSerialNumber

TABLE 263 ruckusCtrlSystemNodeSerialNumber

Object Name	ruckusCtrlSystemNodeSerialNumber
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.1
Description	Displays the serial number of the node

ruckusCtrlSystemNodeUptime

TABLE 264 ruckusCtrlSystemNodeUptime

Object Name	ruckusCtrlSystemNodeUptime
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.16
Description	UP time of the node.

ruckusCtrlSystemNodeNumApLicense

TABLE 265 ruckusCtrlSystemNodeNumApLicense

Object Name	ruckusCtrlSystemNodeNumApLicense
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.10
Description	Number of AP licenses for this node.

ruckusCtrlSystemNodeNumApConnected

TABLE 266 ruckusCtrlSystemNodeNumApConnected

Object Name	ruckusCtrlSystemNodeNumApConnected
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.19
Description	Number of APs currently connected to this node.

ruckusCtrlSystemNodeStatus

TABLE 267 ruckusCtrlSystemNodeStatus

Object Name	ruckusCtrlSystemNodeStatus
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.17
Description	System status of the node, where the status is: • out-of-service(0) • in-service(8)

ruckusCtrlSystemClusterStatus

TABLE 268 ruckusCtrlSystemClusterStatus

Object Name	ruckusCtrlSystemClusterStatus
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.18
Description	Displays the cluster status, where the status is: • in-service(0) • out-of-service(1) • maintenance(2) • network-partitio-suspected(4)

ruckusCtrlSystemNodeClusterHAState

TABLE 269 ruckusCtrlSystemNodeClusterHAState

Object Name	ruckusCtrlSystemNodeClusterHAState
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.26
Description	Displays the cluster HA status, where the status is: • enable (1) • disable (2)

ruckusCtrlSystemNodeClusterHARoles

TABLE 270 ruckusCtrlSystemNodeClusterHARoles

Object Name	ruckusCtrlSystemNodeClusterHARoles
Parent Node	ruckusCtrlSystemNodeTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.1.27
Description	Displays the cluster HA role, where the status is: • active (1) • standby (2) • none (3)

Ruckus Controller Zone Table

The following MIBs define the information for the controller **Zone** table (**ruckusCtrlZoneTable**) for users to easily retrieve the information for all zones. The index of the table is the *DomainId*and*ZoneId*.

To query:

- all zones in domain1, use the below command:

  ```
  snmpwalk RUCKUS-CTRL-MIB::ruckusCTRLZoneTable
  ```

- RuckusCtrlZoneEntry on page 156
- ruckusCtrlZoneId on page 156
- ruckusCtrlZoneName on page 157
- ruckusCtrlZoneCountryCode on page 157
- ruckusCtrlZoneNumApConnected on page 157
- ruckusCtrlZoneNumApDisconnected on page 157

RuckusCtrlZoneEntry

TABLE 271 RuckusCtrlZoneEntry

Object Name	RuckusCtrlZoneEntry
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1
Description	The index to this table is DomainId and ZoneId.

ruckusCtrlZoneId

TABLE 272 ruckusCtrlZoneId

Object Name	ruckusCtrlZoneId
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1.2
Description	The index is ZoneId.

ruckusCtrlZoneName

TABLE 273 ruckusCtrlZoneName

Object Name	ruckusCtrlZoneName
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1.3
Description	Displays the zone name.

ruckusCtrlZoneCountryCode

TABLE 274 ruckusCtrlZoneCountryCode

Object Name	ruckusCtrlZoneCountryCode
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1.4
Description	Displays the country code of the zone.

ruckusCtrlZoneNumApConnected

TABLE 275 ruckusCtrlZoneNumApConnected

Object Name	ruckusCtrlZoneNumApConnected
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1.9
Description	The number of APs in the zone that are currently connected to the controller.

ruckusCtrlZoneNumApDisconnected

TABLE 276 ruckusCtrlZoneNumApDisconnected

Object Name	ruckusCtrlZoneNumApDisconnected
Parent Node	ruckusCtrlZoneTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.3.1.10
Description	Number of APs in the zone that are currently disconnected from the controller.

Ruckus WLAN MIB

Introduction

The objects contained in the RUCKUS-SZ-WLAN-MIB provides information about WLANs and their statistics, including SSIDs, WLAN traffic, client count and AP information.

Ruckus SZ WLAN

The following are the MIBs for RUCKUS-SZWLAN group.

- ruckusSZWLANIndex on page 159
- ruckusSZWLANSSID on page 159
- ruckusSZWLANNumSta on page 160
- ruckusSZWLANRxBytes on page 160
- ruckusSZWLANTxBytes on page 160
- ruckusSZWLANAuthType on page 160

ruckusSZWLANIndex

TABLE 277 ruckusSZWLANIndex

Object Name	ruckusSZWLANIndex
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.99
Description	Identifies the specific WLAN identifier in the controller system.

ruckusSZWLANSSID

TABLE 278 ruckusSZWLANSSID

Object Name	ruckusSZWLANSSID
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.1
Description	The SSID of WLAN.

ruckusSZWLANNumSta

TABLE 279 ruckusSZWLANNumSta

Object Name	ruckusSZWLANNumSta
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.12
Description	The number of client devices.

ruckusSZWLANRxBytes

TABLE 280 ruckusSZWLANRxBytes

Object Name	ruckusSZWLANRxBytes
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.14
Description	The number of received bytes.

ruckusSZWLANTxBytes

TABLE 281 ruckusSZWLANTxBytes

Object Name	ruckusSZWLANTxBytes
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.16
Description	The number of transmitted bytes.

ruckusSZWLANAuthType

TABLE 282 ruckusSZWLANAuthType

Object Name	ruckusSZWLANAuthType
Parent Node	ruckusSZWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.1.2.1.17
Description	The authentication type.

Ruckus SZ AP

The following are the MIBs for RUCKUS-SZAP group.

MIB	MIB
ruckusSZAPMac on page 161	ruckusSZAPGroup on page 161
ruckusSZAPUptime on page 161	ruckusSZAPFWversion on page 162
ruckusSZAPModel on page 162	ruckusSZAPSerial on page 162
ruckusSZAPIp on page 162	ruckusSZAPIPType on page 162
ruckusSZAPExtIp on page 163	ruckusSZAPExtPort on page 163

MIB	MIB
ruckusSZAPNumSta on page 163	ruckusSZAPConnStatus on page 163
ruckusSZAPRegStatus on page 163	ruckusSZAPConfigStatus on page 164
ruckusSZAPLocation on page 164	ruckusSZAPGPSInfo on page 164
ruckusSZAPMeshRole on page 164	ruckusSZAPRXBytes on page 165
ruckusSZAPTXBytes on page 165	ruckusSZAPIpsecSessionTime on page 165
ruckusSZAPIpsecTXPkts on page 165	ruckusSZAPIpsecRXPkts on page 165
ruckusSZAPIpsecTXBytes on page 166	ruckusSZAPIpsecRXBytes on page 166
ruckusSZAPIpsecTXPktsDropped on page 166	ruckusSZAPIpsecRXPktsDropped on page 166
ruckusSZAPIpsecTXIdleTime on page 166	ruckusSZAPIpsecRXIdleTime on page 167

ruckusSZAPMac

TABLE 283 ruckusSZAPMac

Object Name	ruckusSZAPMac
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.1
Description	The MAC address of the AP.

ruckusSZAPGroup

TABLE 284 ruckusSZAPGroup

Object Name	ruckusSZAPGroup
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.2
Description	The AP group.

ruckusSZAPName

TABLE 285 ruckusSZAPName

Object Name	ruckusSZAPName
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.5
Description	The AP name.

ruckusSZAPUptime

TABLE 286 ruckusSZAPUptime

Object Name	ruckusSZAPUptime
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.6
Description	The AP uptime.

ruckusSZAPFWversion

TABLE 287 ruckusSZAPFWversion

Object Name	ruckusSZAPFWversion
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.7
Description	The software version.

ruckusSZAPModel

TABLE 288 ruckusSZAPModel

Object Name	ruckusSZAPModel
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.8
Description	The AP model.

ruckusSZAPSerial

TABLE 289 ruckusSZAPSerial

Object Name	ruckusSZAPSerial
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.9
Description	The AP serial number.

ruckusSZAPIp

TABLE 290 ruckusSZAPIp

Object Name	ruckusSZAPIp
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.10
Description	The AP IP address.

ruckusSZAPIPType

TABLE 291 ruckusSZAPIPType

Object Name	ruckusSZAPIPType
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.11
Description	The AP IP address type.

ruckusSZAPExtIp

TABLE 292 ruckusSZAPExtIp

Object Name	ruckusSZAPExtIp
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.12
Description	The external IP address.

ruckusSZAPExtPort

TABLE 293 ruckusSZAPExtPort

Object Name	ruckusSZAPExtPort
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.13
Description	The external port number.

ruckusSZAPNumSta

TABLE 294 ruckusSZAPNumSta

Object Name	ruckusSZAPNumSta
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.15
Description	The number of stations.

ruckusSZAPConnStatus

TABLE 295 ruckusSZAPConnStatus

Object Name	ruckusSZAPConnStatus
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.16
Description	The connection status.

ruckusSZAPRegStatus

TABLE 296 ruckusSZAPRegStatus

Object Name	ruckusSZAPRegStatus
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.17
Description	The registration status, which could either be pending, approved, rejected or swapped.

ruckusSZAPConfigStatus

TABLE 297 ruckusSZAPConfigStatus

Object Name	ruckusSZAPConfigStatus
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.18
Description	The AP configuration status.

ruckusSZAPLocation

TABLE 298 ruckusSZAPLocation

Object Name	ruckusSZAPLocation
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.19
Description	The AP location.

ruckusSZAPGPSInfo

TABLE 299 ruckusSZAPGPSInfo

Object Name	ruckusSZAPGPSInfo
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.20
Description	The GPS information.

ruckusSZAPMeshRole

TABLE 300 ruckusSZAPMeshRole

Object Name	ruckusSZAPMeshRole
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.21
Description	The AP mesh role.

ruckusSZAPDescription

TABLE 301 ruckusSZAPDescription

Object Name	ruckusSZAPDescription
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.22
Description	The AP description.

ruckusSZAPRXBytes

TABLE 302 ruckusSZAPRXBytes

Object Name	ruckusSZAPRXBytes
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.30
Description	The number of received bytes.

ruckusSZAPTXBytes

TABLE 303 ruckusSZAPTXBytes

Object Name	ruckusSZAPTXBytes
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.31
Description	The number of transmitted bytes.

ruckusSZAPIpsecSessionTime

TABLE 304 ruckusSZAPIpsecSessionTime

Object Name	ruckusSZAPIpsecSessionTime
Parent Node	ruckusSZAPTable
Object Identifier	1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.50
Description	The IPsec session time in seconds.

ruckusSZAPIpsecTXPkts

TABLE 305 ruckusSZAPIpsecTXPkts

Object Name	ruckusSZAPIpsecTXPkts
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.55
Description	The number of packets transmitted in IPsec session.

ruckusSZAPIpsecRXPkts

TABLE 306 ruckusSZAPIpsecRXPkts

Object Name	ruckusSZAPIpsecRXPkts
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.56
Description	The number of packets received in IPsec session.

ruckusSZAPIpsecTXBytes

TABLE 307 ruckusSZAPIpsecTXBytes

Object Name	ruckusSZAPIpsecTXBytes
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.57
Description	The number of bytes transmitted n IPsec session.

ruckusSZAPIpsecRXBytes

TABLE 308 ruckusSZAPIpsecRXBytes

Object Name	ruckusSZAPIpsecRXBytes
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.58
Description	The number of bytes received in IPsec session.

ruckusSZAPIpsecTXPktsDropped

TABLE 309 ruckusSZAPIpsecTXPktsDropped

Object Name	ruckusSZAPIpsecTXPktsDropped
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.59
Description	The number of transmitted packets that were dropped in IPsec session.

ruckusSZAPIpsecRXPktsDropped

TABLE 310 ruckusSZAPIpsecRXPktsDropped

Object Name	ruckusSZAPTXBytes
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.60
Description	The number of received packets that were dropped in IPsec session.

ruckusSZAPIpsecTXIdleTime

TABLE 311 ruckusSZAPIpsecTXIdleTime

Object Name	ruckusSZAPIpsecTXIdleTime
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.65
Description	The number of seconds since the last transmitted packet in IPsec session.

ruckusSZAPIpsecRXIdleTime

TABLE 312 ruckusSZAPIpsecRXIdleTime

Object Name	ruckusSZAPIpsecRXIdleTime
Parent Node	ruckusSZAPTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.1.1.2.2.1.66
Description	The number of seconds since the last received packet in IPsec session.

Ruckus SZ Configuration WLAN Statistics

The following are the MIBs for WLAN configuration nodes.

NOTE
SNMP set for `ruckusSZConfigWLANTable` supports only a few OIDs. Read-only indicates that the particular SNMP set will not be supported.

ruckusSZConfigWLANID

TABLE 313 ruckusSZConfigWLANID

Object Name	ruckusSZConfigWLANID (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.1
Description	The wireless LAN (WLAN) identifier.

ruckusSZConfigWLANSSID

TABLE 314 ruckusSZConfigWLANSSID

Object Name	ruckusSZConfigWLANSSID (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.2
Description	SSID for the wireless LAN (WLAN).

ruckusSZConfigWLANDescription

TABLE 315 ruckusSZConfigWLANDescription

Object Name	ruckusSZConfigWLANDescription
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.3
Description	Description of the wireless LAN (WLAN).

ruckusSZConfigWLANName

TABLE 316 ruckusSZConfigWLANName

Object Name	ruckusSZConfigWLANName (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.4
Description	Name of the wireless LAN (WLAN).

ruckusSZConfigWLANWLANServiceType

TABLE 317 ruckusSZConfigWLANWLANServiceType

Object Name	ruckusSZConfigWLANWLANServiceType (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.8
Description	Type of service for the wireless LAN (WLAN).

ruckusSZConfigWLANAuthentication

TABLE 318 ruckusSZConfigWLANAuthentication

Object Name	ruckusSZConfigWLANAuthentication (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.10
Description	Authentication method specified for the wireless LAN (WLAN).

ruckusSZConfigWLANEncryption

TABLE 319 ruckusSZConfigWLANEncryption

Object Name	ruckusSZConfigWLANEncryption (read-only)
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.12
Description	Encryption method specified for the wireless LAN (WLAN).

ruckusSZConfigWLANWEPKeyIndex

TABLE 320 ruckusSZConfigWLANWEPKeyIndex

Object Name	ruckusSZConfigWLANWEPKeyIndex
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.15
Description	Specify the WEP key index for WEP encryption.

ruckusSZConfigWLANWEPKey

TABLE 321 ruckusSZConfigWLANWEPKey

Object Name	ruckusSZConfigWLANWEPKey
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.16
Description	Specify the passphrase for WEP encryption method.

ruckusSZConfigWLANWPACipherType

TABLE 322 ruckusSZConfigWLANWPACipherType

Object Name	ruckusSZConfigWLANWPACipherType
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.20
Description	Specify the cipher method for WPA encryption.

ruckusSZConfigWLANWPAKey

TABLE 323 ruckusSZConfigWLANWPAKey

Object Name	ruckusSZConfigWLANWPAKey
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.21
Description	Specify the passphrase for WPA encryption.

ruckusSZConfigWLANWirelessClientIsolation

TABLE 324 ruckusSZConfigWLANWirelessClientIsolation

Object Name	ruckusSZConfigWLANWirelessClientIsolation
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.28
Description	Specify the wireless client Isolation, where clients will be unable to communicate with each other or access any of the restricted subnet.

ruckusSZConfigWLANZeroITActivation

TABLE 325 ruckusSZConfigWLANZeroITActivation

Object Name	ruckusSZConfigWLANZeroITActivation
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.30
Description	Enable the Zero IT activation service for wireless LAN

ruckusSZConfigWLANServicePriority

TABLE 326 ruckusSZConfigWLANServicePriority

Object Name	ruckusSZConfigWLANServicePriority
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.32
Description	Specify the quality of service (QOS) priority for wireless LAN.

ruckusSZConfigWLANAccountingUpdateInterval

TABLE 327 ruckusSZConfigWLANAccountingUpdateInterval

Object Name	ruckusSZConfigWLANAccountingUpdateInterval
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.36
Description	Specify the interval in minutes for updating the accounting server.

ruckusSZConfigWLANVlanID

TABLE 328 ruckusSZConfigWLANVlanID

Object Name	ruckusSZConfigWLANVlanID
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.45
Description	Specify the VLAN identifier of WLAN. If the VLAN ID is 1packets from WLAN will be untagged.

ruckusSZConfigWLANHideSSID

TABLE 329 ruckusSZConfigWLANHideSSID

Object Name	ruckusSZConfigWLANHideSSID
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.50
Description	SSID will not be broadcasted by activating the hide tag.

ruckusSZConfigWLANMaxClientsPerAP

TABLE 330 ruckusSZConfigWLANMaxClientsPerAP

Object Name	ruckusSZConfigWLANMaxClientsPerAP
Parent Node	ruckusSZConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.55
Description	Specify the number of client devices that the AP can service for wireless LAN.

ruckusSCGConfigWLANSAEPassphrase

TABLE 331 ruckusSCGConfigWLANSAEPassphrase

Object Name	ruckusSCGConfigWLANSAEPassphrase
Parent Node	ruckusSCGConfigWLANTable
Object Identifier	.1.3.6.1.4.1.25053.1.4.2.2.1.1.1.1.23
Description	Specifies the SAE passphrase for WPA3 encryption.

Ruckus SCG Client Information

The following are the MIBs for client information nodes (RUCKUS-CTRL-MIB). These MIBs indicate information on the user equipment's MAC address and status. Operators would need to append the user equipment's MAC address to the string length of 6 (decimal format) as index after each OID to get the required information.

For MAC address of C8:AA:7C:8E:67:C4, it must be translated to equivalent decimal value of 202.170.124.142.103.196 for the query.

For example, use the following command to get the status of the client (with MAC C8:AA:7C:8E:67:C4):

```
snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-MIB::ruckusCtrlClientStatus.
6.202.170.124.142.103.196
```

NOTE
Length of the string index should always be 6. Read only indicates that the particular SNMP set will not be supported.

In the controller user interface using the Global SNMP configuration (**Configuration** > **System** > **SNMP Agent**) you can query client status using RUCKUS-CTRL-MIB.

- ruckusCtrlClientMac on page 172
- ruckusCtrlClientStatus on page 172

ruckusCtrlClientMac

TABLE 332 ruckusCtrlClientMac

Object Name	ruckusCtrlClientMac (read only)
Parent Node	ruckusCtrlClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.1
Description	MAC IP address of the user equipment

ruckusCtrlClientStatus

TABLE 333 ruckusCtrlClientStatus

Object Name	ruckusCtrlClientStatus (read only)
Parent Node	ruckusCtrlClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.20
Description	The client status is either: 1 Unauthorized 2 Authorized

Ruckus AP MIB

Ruckus Controller AP Group Table

The following MIBs define the information for the controller AP Group table **(ruckusCtrlApGroupTable)** for users to easily retrieve the information for all AP groups. The index of the table is *ZoneId* and *ApGroupId*.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

To query:

- all AP groups in zone1, use the command:

```
snmpwalk ruckusCtrlApGroupTable.zone1
```

- a specific apgroup1 in zone1, use the command:

```
snmpwalk ruckusCtrlApGroupTable.zone1.apgroup1
```

- a specific apgroup1 in an unknown domain, use the below command:

```
snmpwalk ruckusCtrlApGroupTable.all.apgroup1
```

- ruckusCtrlApGroupEntry on page 174
- ruckusCtrlApGroupZoneId on page 174
- ruckusCtrlApApGroupId on page 184
- ruckusCtrlApApGroupName on page 184
- ruckusCtrlApGroupNumApConnected on page 174
- ruckusCtrlApGroupNumApDisconnected on page 175

ruckusCtrlApGroupEntry

TABLE 334 ruckusCtrlApGroupEntry

Object Name	ruckusCtrlApGroupEntry
Parent Node	ruckusCtrlApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1
Description	The index to table is ApGroupId and ZoneId.

ruckusCtrlApGroupZoneId

TABLE 335 ruckusCtrlApGroupZoneId

Object Name	ruckusCtrlApGroupZoneId
Parent Node	ruckusCTRLApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.5.1.1
Description	The index is ZoneId.

ruckusCtrlApGroupId

TABLE 336 ruckusCtrlApGroupId

Object Name	ruckusCtrlApGroupId
Parent Node	ruckusCTRLApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.5.1.2
Description	The index is ApGroup Id.

ruckusCtrlApGroupName

TABLE 337 ruckusCtrlApGroupName

Object Name	ruckusCtrlApGroupName
Parent Node	ruckusCTRLApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.5.1.3
Description	Displays the name of the AP Group.

ruckusCtrlApGroupNumApConnected

TABLE 338 ruckusCtrlApGroupNumApConnected

Object Name	ruckusCtrlApGroupNumApConnected
Parent Node	ruckusCTRLApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.5.1.9
Description	Number of APs in the AP Group that are currently connected to the controller.

ruckusCtrlApGroupNumApDisconnected

TABLE 339 ruckusCtrlApGroupNumApDisconnected

Object Name	ruckusCtrlApGroupNumApDisconnected
Parent Node	ruckusCTRLApGroupTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.5.1.10
Description	Number of APs in the AP Group that are currently disconnected from the controller.

Ruckus Controller Summary AP Table

The following MIBs define the information for the controller **SummaryAP** table **(ruckusCtrlSummaryApTable)** for users to easily access basic information of all the APs. The index of the table is *DomainId*, *ZoneId* and *ApGroupId* and *ApMac*. Using the *ApMac* in this table, users can go to AP table to get more details.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

To query:

- all APs in domain 1, use the command:

```
snmpwalk ruckusCtrlSummaryApTable.domain1
```

- all APs in a specific zone1 under domain1, use the command:

```
snmpwalk ruckusCtrlSummaryApTable.domain1.zone1
```

- all APs in a specific zone1 in an unknown domain, use the command:

```
snmpwalk ruckusCtrlSummaryApTable.all.zone1
```

- all information, use the command:

```
snmpwalk {option} ruckusCTRLSummaryApTable
```

- all ApMAC in domain1, use the command:

```
snmpwalk {option}ruckusCtrlSummryApMac.domain.{domain1 UUID}
```

- For a domain with UUID 87b593c6-50e7-4d57-87f0-2820bb3878ef, use the following command:

```
snmpwalk -mall -v2c -c public 172.17.50.103 RUCKUS-CTRL-
MIB::ruckusCtrlSummaryApMac.domain.\'87b593c6-50e7- 4d57-87f0-2820bb3878ef\'
```

- The MIB browser should translate UUID 87b593c6-50e7-4d57-87f0- 2820bb3878ef into decimal form:

```
.1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.6.1.135.181.147.19
8.80.231.77.87.135.240.40.32.187.56.120.239 where 1
represents the input UUID as domain UUID

135.181.147.198.80.231.77.87.135.240.40.32.187.56.120
.239: UUID 87b593c6-50e7-4d57-87f0-2820bb3878ef in
decimal form(16 numbers)
```

- all ApMAC in zone1, use the command:

```
snmpwalk {option} ruckusCtrlSummaryApMac.zone.{zone1 UUID}
```

- For a zone with UUID 8f0c4245-4bc7-4f5a-8f76-a8137443833e, use the following command:

```
snmpwalk -mall -v2c -c public 172.17.50.103 RUCKUS-CTRL-
MIB::ruckusCtrlSummaryApMac.zone.\'8f0c4245-4bc7- 4f5a-8f76-a8137443833e\'
```

- The MIB browser should translate UUID 8f0c4245-4bc7-4f5a-8f76- a8137443833e into decimal form:

```
.1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.6.2.143.12.66.69.7
5.199.79.90.143.118.168.19.116.67.131.62 where 2
represents the input UUID as zone UUID.

143.12.66.69.75.199.79.90.143.118.168.19.116.67.131.6
2: UUID 8f0c4245-4bc7-4f5a-8f76-a8137443833e in decimal
form(16 numbers)
```

- all ApMAC in apgroup1, use the command:

```
snmpwalk {option}ruckusCtrlSummaryApMac.apgroup.{apgroup UUID}
```

- For ApGroup with UUID 84136003-bd53-4ca7-a19a-63254fcdfe2d, use the following command:

```
snmpwalk -mall -v2c -c public 172.17.50.103 RUCKUS-CTRL-
MIB::ruckusCtrlSummaryApMac.apgroup.\'84136003-bd53- 4ca7-a19a-63254fcdfe2d\'
```

- The MIB browser should translate UUID 84136003-bd53-4ca7-a19a- 63254fcdfe2d into decimal form:

```
.1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.6.3.132.19.96.3.18
9.83.76.167.161.154.99.37.79.205.254.45 where 3
represents the input UUID as ApGroup UUID.

132.19.96.3.189.83.76.167.161.154.99.37.79.205.254.45
: UUID 84136003-bd53-4ca7-a19a-63254fcdfe2d in decimal
form(16 numbers)
```

- ruckusCtrlSummaryApEntry on page 177
- ruckusCtrlSummaryApIndexType on page 177
- ruckusCtrlSummaryApIndexUUID on page 177
- ruckusCtrlSummaryApDomainId on page 177
- ruckusCtrlSummaryApZoneId on page 177
- ruckusCtrlSummaryApApGroupId on page 178
- ruckusCtrlSummaryApMac on page 178
- ruckusCtrlSummaryApDomainName on page 178
- ruckusCtrlSummaryApZoneName on page 178
- ruckusCtrlSummaryApName on page 179
- ruckusCtrlSummaryApLocation on page 179

ruckusCtrlSummaryApEntry

TABLE 340 ruckusCtrlSummaryApEntry

Object Name	ruckusCtrlSummaryApEntry
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1
Description	The index to this table is: • ruckusCtrlSummaryApIndexType • ruckusCtrlSummaryApIndexUUID • ruckusCtrlSummaryApMacApGroupId

ruckusCtrlSummaryApIndexType

TABLE 341 ruckusCtrlSummaryApIndexType

Object Name	ruckusCtrlSummaryApIndexType
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.1
Description	The UUID index type - domain(1), zone(2), apgroup(3) For example: snmpwalk ruckusCtrlSummaryApTable.domain.{uuid} for known DomainId snmpwalk ruckusCtrlSummaryApTable.zone.{uuid} for known ZoneId snmpwalk ruckusCtrlSummaryApTable.ApGroup.{uuid} for known ApGroupId

ruckusCtrlSummaryApIndexUUID

TABLE 342 ruckusCtrlSummaryApIndexUUID

Object Name	ruckusCtrlSummaryApIndexUUID
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.2
Description	UUID for query entry, which can be the UUID of domain, zone, or AP Group.

ruckusCtrlSummaryApDomainId

TABLE 343 ruckusCtrlSummaryApDomainId

Object Name	ruckusCtrlSummaryApDomainId
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.3
Description	The domain identifier.

ruckusCtrlSummaryApZoneId

TABLE 344 ruckusCtrlSummaryApZoneId

Object Name	ruckusCtrlSummaryApZoneId
Parent Node	ruckusCtrlSummaryApTable

TABLE 344 ruckusCtrlSummaryApZoneId (continued)

Object Name	ruckusCtrlSummaryApZoneId
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.4
Description	The zone identifier.

ruckusCtrlSummaryApApGroupId

TABLE 345 ruckusCtrlSummaryApApGroupId

Object Name	ruckusCtrlSummaryApApGroupId
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.5
Description	The AP Group identifier.

ruckusCtrlSummaryApMac

TABLE 346 ruckusCtrlSummaryApMac

Object Name	ruckusCtrlSummaryApMac
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.6
Description	The AP MAC address.

ruckusCtrlSummaryApDomainName

TABLE 347 ruckusCtrlSummaryApDomainName

Object Name	ruckusCtrlSummaryApDomainName
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.11
Description	Displays the domain name.

ruckusCtrlSummaryApZoneName

TABLE 348 ruckusCtrlSummaryApZoneName

Object Name	ruckusCtrlSummaryApZoneName
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.12
Description	The AP zone name.

ruckusCtrlSummaryApName

TABLE 349 ruckusCtrlSummaryApName

Object Name	ruckusCtrlSummaryApName
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.17
Description	The name of the AP.

ruckusCtrlSummaryApLocation

TABLE 350 ruckusCtrlSummaryApLocation

Object Name	ruckusCtrlSummaryApLocation
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.18
Description	The AP location.

Ruckus Controller AP Client Table

The following MIBs define the information for the controller **Client** table (**ruckusCtrlApClientTable**) for users to easily access basic information of all the clients in a specific AP. Using the *ClientMac* in this table, users can go to Client table to get more details about this client. The index of the table is the *ApMac*.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

- ruckusCtrlApClientEntry on page 180
- ruckusCtrlApClientApMac on page 180
- ruckusCtrlApClientMac on page 180

To query:

- all clients in a specific ap1, the following command can be used:

```
snmpwalk ruckusCtrlApClientTable.ap1
```

- all information, use the command format:

```
snmpwalk {option} ruckusCTRLSummaryApTable
```

- all AP MAC in domain1, use the command format:

```
snmpwalk {option}ruckusCtrlSummryApMac.domain.{domain1 UUID}
```

- A MAC address of C8:AA:7C:8E:67:C4 must be translated to the equivalent decimal value of 202.170.124.142.103.196 for the query.

```
snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-MIB::ruck- usCtrlApClientMac.6.202.170.124.142.103.196,
where the
length of the string index is always 6.

202.170.124.142.103.196: MAC Address C8:AA:7C:8E:67:C4
in decimal form
```

- The MIB browser should translate the MAC address into decimal form as:

```
.1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1.6.6.202.170.124.14
2.103.196

200.170.124.142.103.196: MAC Address C8:AA:7C:8E:67:C4
in decimal form
```

ruckusCtrlApClientEntry

TABLE 351 ruckusCtrlApClientEntry

Object Name	ruckusCtrlApClientEntry
Parent Node	ruckusCtrlApClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1
Description	The index to this table is ApMac.

ruckusCtrlApClientApMac

TABLE 352 ruckusCtrlApClientApMac

Object Name	ruckusCtrlApClientApMac
Parent Node	ruckusCtrlApClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1.1
Description	The AP MAC address.

ruckusCtrlApClientMac

TABLE 353 ruckusCtrlApClientMac

Object Name	ruckusCtrlApClientMac
Parent Node	ruckusCtrlApClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1.6
Description	The client MAC address.

Ruckus Controller AP Table

The following MIBs define the information for the controller **AP** table (**ruckusCtrlApTable**) for users to easily access to all information of the AP. Using the ApMac in this table, users get more details about this AP. The index of the table is the *ApMac*.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

To get the information of an AP with MAC C8:AA:7C:8E:67:C4, use the command format:

```
snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-MIB::ruck- usCtrlApMac.6.200.170.124.142.103.196 where the
length
of string index, is always 6.

200.170.124.142.103.196: MAC Address C8:AA:7C:8E:67:C4
in decimal form
```

ruckusCtrlApEntry

TABLE 354 ruckusCtrlApEntry

Object Name	ruckusCtrlApEntry
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1
Description	The index to this table is ApMac

ruckusCtrlApMac

TABLE 355 ruckusCtrlApMac

Object Name	ruckusCtrlApMac
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.1
Description	The AP MAC address.

ruckusCtrlApDomainId

TABLE 356 ruckusCtrlApDomainId

Object Name	ruckusCtrlApDomainId
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.2
Description	The root domain identifier (the domain under admin domain)

ruckusCtrlApDomainName

TABLE 357 ruckusCtrlApDomainName

Object Name	ruckusCtrlApDomainName
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.3
Description	Displays the domain name.

ruckusCtrlApZoneId

TABLE 358 ruckusCtrlApZoneId

Object Name	ruckusCtrlApZoneId
Parent Node	ruckusCtrlApTable

TABLE 358 ruckusCtrlApZoneId (continued)

Object Name	ruckusCtrlApZoneId
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.4
Description	The zone UUID.

ruckusCtrlApZoneName

TABLE 359 ruckusCtrlApZoneName

Object Name	ruckusCtrlApZoneName
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.5
Description	Displays the zone name.

ruckusCtrlApApGroupId

TABLE 360 ruckusCtrlApApGroupId

Object Name	ruckusCtrlApApGroupId
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.6
Description	The AP Group UUID.

ruckusCtrlApApGroupName

TABLE 361 ruckusCtrlApApGroupName

Object Name	ruckusCtrlApApGroupName
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.7
Description	The AP Group name.

ruckusCtrlApIp

TABLE 362 ruckusCtrlApIp

Object Name	ruckusCtrlApIp
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.12
Description	The IP address.

ruckusCtrlApIpv6

TABLE 363 ruckusCtrlApIpv6

Object Name	ruckusCtrlApIpv6
Parent Node	ruckusCtrlApTable

TABLE 363 ruckusCtrlApIpv6 (continued)

Object Name	ruckusCtrlApIpv6
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.13
Description	The IPv6 address.

ruckusCtrlApNetmask

TABLE 364 ruckusCtrlApNetmask

Object Name	ruckusCtrlApNetmask
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.14
Description	The netmask address.

ruckusCtrlApGateway

TABLE 365 ruckusCtrlApGateway

Object Name	ruckusCtrlApGateway
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.15
Description	The gateway server address.

ruckusCtrlApIpDnsSvr1

TABLE 366 ruckusCtrlApIpDnsSvr1

Object Name	ruckusCtrlApIpDnsSvr1
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.16
Description	The primary DNS server address.

ruckusCtrlApIpDnsSvr2

TABLE 367 ruckusCtrlApIpDnsSvr2

Object Name	ruckusCtrlApIpDnsSvr2
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.17
Description	The secondary DNS server address.

ruckusCtrlApIpv6DnsSvr1

TABLE 368 ruckusCtrlApIpv6DnsSvr1

Object Name	ruckusCtrlApIpv6DnsSvr1
Parent Node	ruckusCtrlApTable

TABLE 368 ruckusCtrlApIpv6DnsSvr1 (continued)

Object Name	ruckusCtrlApIpv6DnsSvr1
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.22
Description	The primary DNS server IPv6 address.

ruckusCtrlApIpv6DnsSvr2

TABLE 369 ruckusCtrlApIpv6DnsSvr2

Object Name	ruckusCtrlApIpv6DnsSvr2
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.23
Description	The secondary DNS server IPv6 address.

ruckusCtrlApName

TABLE 370 ruckusCtrlApName

Object Name	ruckusCtrlApName
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.28
Description	Displays the AP name.

ruckusCtrlApDescription

TABLE 371 ruckusCtrlApDescription

Object Name	ruckusCtrlApDescription
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.29
Description	The AP description.

ruckusCtrlApStatus

TABLE 372 ruckusCtrlApStatus

Object Name	ruckusCtrlApStatus
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.30.6.116.62.43.58.110.192
Description	The AP status type, No Such Instance: Offline AP/Not Connected AP, 1 : Online AP.

ruckusCtrlApModel

TABLE 373 ruckusCtrlApModel

Object Name	ruckusCtrlApModel
Parent Node	ruckusCtrlApTable

TABLE 373 ruckusCtrlApModel (continued)

Object Name	ruckusCtrlApModel
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.31
Description	The AP model type.

ruckusCtrlApSerialNumber

TABLE 374 ruckusCtrlApSerialNumber

Object Name	ruckusCtrlApSerialNumber
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.32
Description	The AP serial number.

ruckusCtrlApSwVersion

TABLE 375 ruckusCtrlApSwVersion

Object Name	ruckusCtrlApSwVersion
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.33
Description	The AP software version.

ruckusCtrlApLocation

TABLE 376 ruckusCtrlApLocation

Object Name	ruckusCtrlApLocation
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.34
Description	The AP location information.

ruckusCtrlApGpsInfo

TABLE 377 ruckusCtrlApGpsInfo

Object Name	ruckusCtrlApGpsInfo
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.35
Description	The AP GPS information.

ruckusCtrlApTemperature

TABLE 378 ruckusCtrlApTemperature

Object Name	ruckusCtrlApTemperature
Parent Node	ruckusCtrlApTable

TABLE 378 ruckusCtrlApTemperature (continued)

Object Name	ruckusCtrlApTemperature
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.36
Description	The AP temperature information.

ruckusCtrlApUptime

TABLE 379 ruckusCtrlApUptime

Object Name	ruckusCtrlApUptime
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.41
Description	Number of minutes elapsed since the AP was last rebooted.

ruckusCtrlApLastConfSyncTime

TABLE 380 ruckusCtrlApLastConfSyncTime

Object Name	ruckusCtrlApLastConfSyncTime
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.45
Description	The last configuration synchronization displayed as time.

ruckusCtrlApCpuUtilization

TABLE 381 ruckusCtrlApCpuUtilization

Object Name	ruckusCtrlApCpuUtilization
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.50
Description	The percentage of CPU utilization.

ruckusCtrlApTotalMemory

TABLE 382 ruckusCtrlApTotalMemory

Object Name	ruckusCtrlApTotalMemory
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.51
Description	The total memory in KB.

ruckusCtrlApFreeMemory

TABLE 383 ruckusCtrlApFreeMemory

Object Name	ruckusCtrlApFreeMemory
Parent Node	ruckusCtrlApTable

TABLE 383 ruckusCtrlApFreeMemory (continued)

Object Name	ruckusCtrlApFreeMemory
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.52
Description	Free memory in KB.

ruckusCtrlApFreeStorage

TABLE 384 ruckusCtrlApFreeStorage

Object Name	ruckusCtrlApFreeStorage
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.53
Description	Flash free memory in KB.

ruckusCtrlApEtherPortStatus

TABLE 385 ruckusCtrlApEtherPortStatus

Object Name	ruckusCtrlApEtherPortStatus
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.54
Description	AP Ethernet port physical link status as: 0: Down 1: Up

ruckusCtrlApCableModemMac

TABLE 386 ruckusCtrlApCableModemMac

Object Name	ruckusCtrlApCableModemMac
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.56
Description	The AP MAC address of the cable modem.

ruckusCtrlApCableModemSerialNumber

TABLE 387 ruckusCtrlApCableModemSerialNumber

Object Name	ruckusCtrlApCableModemSerialNumber
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.57
Description	Serial number of the AP MAC cable modem.

ruckusCtrlApNumRadios

TABLE 388 ruckusCtrlApNumRadios

Object Name	ruckusCtrlApNumRadios
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.62
Description	Total number of radios.

ruckusCtrlApNumWlans

TABLE 389 ruckusCtrlApNumWlans

Object Name	ruckusCtrlApNumWlans
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.63
Description	Total number of WLANs.

ruckusCtrlApNumAssocClients

TABLE 390 ruckusCtrlApNumAssocClients

Object Name	ruckusCtrlApNumAssocClients
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.65
Description	Number of clients associated with the AP.

ruckusCtrlApStatsRxBytes

TABLE 391 ruckusCtrlApStatsRxBytes

Object Name	ruckusCtrlApStatsRxBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.71
Description	The total number of received bytes.

ruckusCtrlApStatsTxBytes

TABLE 392 ruckusCtrlApStatsTxBytes

Object Name	ruckusCtrlApStatsTxBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.72
Description	The total number of transmitted bytes.

ruckusCtrlApStatsRxDataBytes

TABLE 393 ruckusCtrlApStatsRxDataBytes

Object Name	ruckusCtrlApStatsRxDataBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.73
Description	The total number of data packet bytes received.

ruckusCtrlApStatsTxDataBytes

TABLE 394 ruckusCtrlApStatsTxDataBytes

Object Name	ruckusCtrlApStatsTxDataBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.74
Description	The total number of data packet bytes transmitted.

ruckusCtrlApStatsRxPkts

TABLE 395 ruckusCtrlApStatsRxPkts

Object Name	ruckusCtrlApStatsRxPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.77
Description	The total number of packet counts received.

ruckusCtrlApStatsTxPkts

TABLE 396 ruckusCtrlApStatsTxPkts

Object Name	ruckusCtrlApStatsTxPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.78
Description	Total number of packets counts transmitted.

ruckusCtrlApStatsRxDataPkts

TABLE 397 ruckusCtrlApStatsRxDataPkts

Object Name	ruckusCtrlApStatsRxDataPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.79
Description	The total number of data packets counts received.

ruckusCtrlApStatsTxDataPkts

TABLE 398 ruckusCtrlApStatsTxDataPkts

Object Name	ruckusCtrlApStatsTxDataPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.80
Description	The total number of data packets counts transmitted.

ruckusCtrlApStatsRxErrorPkts

TABLE 399 ruckusCtrlApStatsRxErrorPkts

Object Name	ruckusCtrlApStatsRxErrorPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.81
Description	Error count of AP wireless received.

ruckusCtrlApStatsTxErrorPkts

TABLE 400 ruckusCtrlApStatsTxErrorPkts

Object Name	ruckusCtrlApStatsTxErrorPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.82
Description	Error count of AP wireless transmitted.

ruckusCtrlApStatsRxDropPkts

TABLE 401 ruckusCtrlApStatsRxDropPkts

Object Name	ruckusCtrlApStatsRxDropPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.83
Description	Dropped count of AP wireless received.

ruckusCtrlApStatsTxDropPkts

TABLE 402 ruckusCtrlApStatsTxDropPkts

Object Name	ruckusCtrlApStatsTxDropPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.84
Description	Dropped count of AP wireless transmitted.

ruckusCtrlApMeshRole

TABLE 403 ruckusCtrlApMeshRole

Object Name	ruckusCtrlApMeshRole
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.89
Description	AP Mesh role: • 0: disable • 1: rap • 2: map • 3: emap • 4: mesh-is-down • 5: mesh-role-is-undefined

ruckusCtrlApNumMeshHops

TABLE 404 ruckusCtrlApNumMeshHops

Object Name	ruckusCtrlApNumMeshHops
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.90
Description	The total number of mesh hops.

ruckusCtrlApConnectScgCpIp

TABLE 405 ruckusCtrlApConnectScgCpIp

Object Name	ruckusCtrlApConnectScgCpIp
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.95
Description	The controller's control plane IP address that the AP connects.

ruckusCtrlApConnectScgCpIpv6

TABLE 406 ruckusCtrlApConnectScgCpIpv6

Object Name	ruckusCtrlApConnectScgCpIpv6
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.96
Description	The controller's control plane IPv6 address that the AP connects.

ruckusCtrlApConnectScgDpIp

TABLE 407 ruckusCtrlApConnectScgDpIp

Object Name	ruckusCtrlApConnectScgDpIp
Parent Node	ruckusCtrlApTable

TABLE 407 ruckusCtrlApConnectScgDpIp (continued)

Object Name	ruckusCtrlApConnectScgDpIp
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.97
Description	The controller's data plane IP address that the AP connects.

ruckusCtrlApConnectScgDpIpv6

TABLE 408 ruckusCtrlApConnectScgDpIpv6

Object Name	ruckusCtrlApConnectScgDpIpv6
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.98
Description	The controller's data plane IPv6 address that the AP connects.

ruckusCtrlApLanStatsRxBytes

TABLE 409 ruckusCtrlApLanStatsRxBytes

Object Name	ruckusCtrlApLanStatsRxBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.103
Description	The total number of bytes received on the LAN port.

ruckusCtrlApLanStatsTxBytes

TABLE 410 ruckusCtrlApLanStatsTxBytes

Object Name	ruckusCtrlApLanStatsTxBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.104
Description	The total number of bytes transmitted on the LAN port.

ruckusCtrlApLanStatsRxPkts

TABLE 411 ruckusCtrlApLanStatsRxPkts

Object Name	ruckusCtrlApLanStatsRxPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.105
Description	The total number of packets received on the LAN port.

ruckusCtrlApLanStatsTxPkts

TABLE 412 ruckusCtrlApLanStatsTxPkts

Object Name	ruckusCtrlApLanStatsTxPkts
Parent Node	ruckusCtrlApTable

TABLE 412 ruckusCtrlApLanStatsTxPkts (continued)

Object Name	ruckusCtrlApLanStatsTxPkts
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.106
Description	The total number of packets transmitted on the LAN port.

ruckusCtrlApLanStatsRxErrorPkts

TABLE 413 ruckusCtrlApLanStatsRxErrorPkts

Object Name	ruckusCtrlApLanStatsRxErrorPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.107
Description	The total number of error packets received on the LAN port.

ruckusCtrlApLanStatsTxErrorPkts

TABLE 414 ruckusCtrlApLanStatsTxErrorPkts

Object Name	ruckusCtrlApLanStatsTxErrorPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.108
Description	The total number of error packets transmitted on the LAN port.

ruckusCtrlApLanStatsRxDroppedPkts

TABLE 415 ruckusCtrlApLanStatsRxDroppedPkts

Object Name	ruckusCtrlApLanStatsRxDroppedPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.115
Description	The total number of received packets dropped on LAN port.

ruckusCtrlApLanStatsTxDroppedPkts

TABLE 416 ruckusCtrlApLanStatsTxDroppedPkts

Object Name	ruckusCtrlApLanStatsTxDroppedPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.116
Description	The total number of transmitted packets dropped on LAN port.

ruckusCtrlAPIpsecRxBytes

TABLE 417 ruckusCtrlAPIpsecRxBytes

Object Name	ruckusCtrlAPIpsecRxBytes
Parent Node	ruckusCtrlApTable

TABLE 417 ruckusCtrlAPIpsecRxBytes (continued)

Object Name	ruckusCtrlAPIpsecRxBytes
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.123
Description	The total number of IPsec bytes received.

ruckusCtrlAPIpsecTxBytes

TABLE 418 ruckusCtrlAPIpsecTxBytes

Object Name	ruckusCtrlAPIpsecTxBytes
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.124
Description	The total number of IPsec bytes transmitted.

ruckusCtrlAPIpsecRxPkts

TABLE 419 ruckusCtrlAPIpsecRxPkts

Object Name	ruckusCtrlAPIpsecRxPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.125
Description	The total number of IPsec packet received.

ruckusCtrlAPIpsecTxPkts

TABLE 420 ruckusCtrlAPIpsecTxPkts

Object Name	ruckusCtrlAPIpsecTxPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.126
Description	The total number of IPsec packet transmitted.

ruckusCtrlAPIpsecRxDropPkts

TABLE 421 ruckusCtrlAPIpsecRxDropPkts

Object Name	ruckusCtrlAPIpsecRxDropPkts
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.127
Description	The total number of IPsec received packets that dropped.

ruckusCtrlAPIpsecTxDropPkts

TABLE 422 ruckusCtrlAPIpsecTxDropPkts

Object Name	ruckusCtrlAPIpsecTxDropPkts
Parent Node	ruckusCtrlApTable

TABLE 422 ruckusCtrlAPIpsecTxDropPkts (continued)

Object Name	ruckusCtrlAPIpsecTxDropPkts
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.128
Description	The total number of IPsec transmitted packets that dropped

ruckusCtrlAPIpsecSessionTime

TABLE 423 ruckusCtrlAPIpsecSessionTime

Object Name	ruckusCtrlAPIpsecSessionTime
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.129
Description	Session time of IPsec in seconds.

ruckusCtrlAPIpsecRxIdleTime

TABLE 424 ruckusCtrlAPIpsecRxIdleTime

Object Name	ruckusCtrlAPIpsecRxIdleTime
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.130
Description	Time of the last received packet in seconds.

ruckusCtrlAPIpsecTxIdleTime

TABLE 425 ruckusCtrlAPIpsecTxIdleTime

Object Name	ruckusCtrlAPIpsecTxIdleTime
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.131
Description	Time of the last transmitted packet in seconds.

Ruckus Controller Radio Table

The following MIBs define the information for the controller AP Radio table (**ruckusCtrlApRadioTable**) for users to easily access all information of the AP radio in the AP. Using the ApMac in this table, users get more details about this AP. The index of the table is the *ApMac* and *RadioIndex*.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

A MAC address of C8:AA:7C:8E:67:C4 must be translated to the equivalent decimal value of 200.170.124.142.103.196 for the query.

For example:

- To get the radio index **1** of an AP with MAC C8:AA:7C:8E:67:C4, use the command format:

  ```
  snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-
  MIB::ruckusCtrlApRadioApMac.6.200.170.124.142.103.196.1
  ```

  where:

  1: Radio index

  6: Length of string index, which is always 6

  ```
  200.170.124.142.103.196: MAC Address C8:AA:7C:8E:67:C4
  in decimal form
  ```

- To get all Radio information of the AP with MAC C8:AA:7C:8E:67:C4, use the command format:

  ```
  snmpwalk -v2c -c public <ip_addr> RUCKUS-CTRL-
  MIB::ruckusCtrlApRadioApMac.6.200.170.124.142.103.196 where 6 is the length of string index.

  200.170.124.142.103.196: MAC Address C8:AA:7C:8E:67:C4 in decimal form
  ```

- The MIB browser should also translate the MAC address into decimal form as:

  ```
  .1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1.6
  .6.200.170.124.142.103.196.1
  ```

ruckusCtrlApRadioEntry

TABLE 426 ruckusCtrlApRadioEntry

Object Name	ruckusCtrlApRadioEntry
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1
Description	The index to this table is ApMac and RadioIndex

ruckusCtrlApRadioApMac

TABLE 427 ruckusCtrlApRadioApMac

Object Name	ruckusCtrlApRadioApMac
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.1
Description	The AP MAC address.

ruckusCtrlApRadioIndex

TABLE 428 ruckusCtrlApRadioIndex

Object Name	ruckusCtrlApRadioApMac
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.2
Description	The index of the radio in the AP, which is: • 0: 2.4G • 1: 5G • 2: 6G

ruckusCtrlApRadioNumWlans

TABLE 429 ruckusCtrlApRadioNumWlans

Object Name	ruckusCtrlApRadioNumWlans
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.7
Description	The number of WLANs in the radio.

ruckusCtrlApRadioType

TABLE 430 ruckusCtrlApRadioType

Object Name	ruckusCtrlApRadioType
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.8
Description	The radio modes: 1: ieee802dot11b 2: ieee802dot11g 3: ieee802dot11Mixed 4: ieee802dot11a 5: ieee802dot11ng 6: ieee802dot11na 7: ieee802dot11ac 8: ieee802dot11ax

ruckusCtrlApRadioChannelWidth

TABLE 431 ruckusCtrlApRadioChannelWidth

Object Name	ruckusCtrlApRadioChannelWidth
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.9
Description	Radio channel width of 10/20/2040/40/80/160

ruckusCtrlApRadioChannel

TABLE 432 ruckusCtrlApRadioChannel

Object Name	ruckusCtrlApRadioChannel
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.10
Description	The channel number of this AP radio.

ruckusCtrlApRadioTxPower

TABLE 433 ruckusCtrlApRadioTxPower

Object Name	ruckusCtrlApRadioTxPower
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.11
Description	Specifies the transmit power of this AP radio.

ruckusCtrlApRadioBeaconPeriod

TABLE 434 ruckusCtrlApRadioBeaconPeriod

Object Name	ruckusCtrlApRadioBeaconPeriod
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.16
Description	The number of milli seconds that a station uses for scheduling beacon transmissions. This value is transmitted in beacon and probe response frames. • Range: (100 to 1000) • Units: Milli seconds

ruckusCtrlApRadioPowerMgmtEnable

TABLE 435 ruckusCtrlApRadioPowerMgmtEnable

Object Name	ruckusCtrlApRadioPowerMgmtEnable
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.23

TABLE 435 ruckusCtrlApRadioPowerMgmtEnable (continued)

Object Name	ruckusCtrlApRadioPowerMgmtEnable
Description	Enabling the power management as: 0: No 1: Yes

ruckusCtrlApRadioMeshEnable

TABLE 436 ruckusCtrlApRadioMeshEnable

Object Name	ruckusCtrlApRadioMeshEnable
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.24
Description	Enabling the radio mesh as: 0: No 1: Yes

ruckusCtrlApRadioStatsRxAirtime

TABLE 437 ruckusCtrlApRadioStatsRxAirtime

Object Name	ruckusCtrlApRadioStatsRxAirtime
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.29
Description	AP radio's total airtime received in one second as per the channel utilization.

ruckusCtrlApRadioStatsTxAirtime

TABLE 438 ruckusCtrlApRadioStatsTxAirtime

Object Name	ruckusCtrlApRadioStatsTxAirtime
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.30
Description	AP radio's total airtime transmitted in one second as per the channel utilization.

ruckusCtrlApRadioStatsBusyAirtime

TABLE 439 ruckusCtrlApRadioStatsBusyAirtime

Object Name	ruckusCtrlApRadioStatsBusyAirtime
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.31
Description	AP radio's busy airtime in one second as per the channel utilization.

ruckusCtrlApRadioStatsTotalAirtime

TABLE 440 ruckusCtrlApRadioStatsTotalAirtime

Object Name	ruckusCtrlApRadioStatsTotalAirtime
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.32
Description	AP radio's total airtime.

ruckusCtrlApRadioAntennaGain

TABLE 441 ruckusCtrlApRadioAntennaGain

Object Name	ruckusCtrlApRadioAntennaGain
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.38
Description	AP radio's antenna gain.

ruckusCtrlApRadioStatsSnr

TABLE 442 ruckusCtrlApRadioStatsSnr

Object Name	ruckusCtrlApRadioStatsSnr
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.39
Description	AP radio's SNR ratio.

ruckusCtrlApRadioStatsNoiseFloor

TABLE 443 ruckusCtrlApRadioStatsNoiseFloor

Object Name	ruckusCtrlApRadioStatsNoiseFloor
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.40
Description	AP radio's noise floor.

ruckusCtrlApRadioStatsNumAssocClients

TABLE 444 ruckusCtrlApRadioStatsNumAssocClients

Object Name	ruckusCtrlApRadioStatsNumAssocClients
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.41
Description	Number of clients associated to this AP radio.

ruckusCtrlApRadioStatsNumAuthClients

TABLE 445

Object Name	ruckusCtrlApRadioStatsNumAuthClients
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.42
Description	Number of clients authenticated to this AP radio.

ruckusCtrlApRadioStatsNumMaxClients

TABLE 446 ruckusCtrlApRadioStatsNumMaxClients

Object Name	ruckusCtrlApRadioStatsNumMaxClients
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.43
Description	Maximum number of stations allowed to this AP radio.

ruckusCtrlApRadioStatsPhyError

TABLE 447 ruckusCtrlApRadioStatsPhyError

Object Name	ruckusCtrlApRadioStatsPhyError
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.49
Description	Number of PHY errors that occurred in one second for this AP radio.

ruckusCtrlApRadioStatsRxWepFail

TABLE 448 ruckusCtrlApRadioStatsRxWepFail

Object Name	ruckusCtrlApRadioStatsRxWepFail
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.50
Description	The number of received WEP for this AP radio that failed.

ruckusCtrlApRadioStatsRxDecryptCrcError

TABLE 449 ruckusCtrlApRadioStatsRxDecryptCrcError

Object Name	ruckusCtrlApRadioStatsRxDecryptCrcError
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.51
Description	The number of received frames with decrypted CRC errors for this AP radio.

ruckusCtrlApRadioStatsRxMicError

TABLE 450 ruckusCtrlApRadioStatsRxMicError

Object Name	ruckusCtrlApRadioStatsRxMicError
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.52
Description	Number of received frames with MIC errors pertaining to this AP radio.

ruckusCtrlApRadioStatsRxBytes

TABLE 451 ruckusCtrlApRadioStatsRxBytes

Object Name	ruckusCtrlApRadioStatsRxBytes
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.57
Description	Total number of received radio bytes of this AP radio, including duplicate packets.

ruckusCtrlApRadioStatsTxBytes

TABLE 452 ruckusCtrlApRadioStatsTxBytes

Object Name	ruckusCtrlApRadioStatsTxBytes
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.58
Description	Total number of transmitted radio bytes of this AP radio, including SW retries.

ruckusCtrlApRadioStatsRxPkts

TABLE 453 ruckusCtrlApRadioStatsRxPkts

Object Name	ruckusCtrlApRadioStatsRxPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.59
Description	Total number of received radio packets of this AP radio. It contains retry/ duplicate values and 802.11 headers.

ruckusCtrlApRadioStatsTxPkts

TABLE 454 ruckusCtrlApRadioStatsTxPkts

Object Name	ruckusCtrlApRadioStatsTxPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.60
Description	Total number of transmitted radio packets of this AP radio. It contains retry/duplicate values and 802.11 headers.

ruckusCtrlApRadioStatsRxMcastPkts

TABLE 455 ruckusCtrlApRadioStatsRxMcastPkts

Object Name	ruckusCtrlApRadioStatsRxMcastPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.65
Description	Total number of received multi cast frames.

ruckusCtrlApRadioStatsTxMcastPkts

TABLE 456 ruckusCtrlApRadioStatsTxMcastPkts

Object Name	ruckusCtrlApRadioStatsTxMcastPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.66
Description	Total number of transmitted multi cast frames.

ruckusCtrlApRadioStatsRxErrorPkts

TABLE 457 ruckusCtrlApRadioStatsRxErrorPkts

Object Name	ruckusCtrlApRadioStatsRxErrorPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.67
Description	Total number of error packets received.

ruckusCtrlApRadioStatsTxErrorPkts

TABLE 458 ruckusCtrlApRadioStatsTxErrorPkts

Object Name	ruckusCtrlApRadioStatsTxErrorPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.68
Description	Total number of error packets transmitted.

ruckusCtrlApRadioStatsRxPktErrorRate

TABLE 459 ruckusCtrlApRadioStatsRxPktErrorRate

Object Name	ruckusCtrlApRadioStatsRxPktErrorRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.69
Description	Error rate on the total number of packets received.

ruckusCtrlApRadioStatsTxPktErrorRate

TABLE 460 ruckusCtrlApRadioStatsTxPktErrorRate

Object Name	ruckusCtrlApRadioStatsTxPktErrorRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.70
Description	Error rate on the total number of packets transmitted.

ruckusCtrlApRadioStatsTxPktRetryRate

TABLE 461 ruckusCtrlApRadioStatsTxPktRetryRate

Object Name	ruckusCtrlApRadioStatsTxPktRetryRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.71
Description	Percentage rate of retries on transmitted packets.

ruckusCtrlApRadioStatsTxRetryPkts

TABLE 462 ruckusCtrlApRadioStatsTxRetryPkts

Object Name	ruckusCtrlApRadioStatsTxRetryPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.73
Description	Total number of retries on transmitted packets.

ruckusCtrlApRadioStatsRxDropPkts

TABLE 463 ruckusCtrlApRadioStatsRxDropPkts

Object Name	ruckusCtrlApRadioStatsRxDropPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.76
Description	Total number of dropped packets received.

ruckusCtrlApRadioStatsTxDropPkts

TABLE 464 ruckusCtrlApRadioStatsTxDropPkts

Object Name	ruckusCtrlApRadioStatsTxDropPkts
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.77
Description	Total number of dropped packets transmitted.

ruckusCtrlApRadioStatsNumAuthReqs

TABLE 465 ruckusCtrlApRadioStatsNumAuthReqs

Object Name	ruckusCtrlApRadioStatsNumAuthReqs
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.82
Description	Total number of authenticated requests received.

ruckusCtrlApRadioStatsNumAuthResps

TABLE 466 ruckusCtrlApRadioStatsNumAuthResps

Object Name	ruckusCtrlApRadioStatsNumAuthResps
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.83
Description	Total number of authenticated responses sent.

ruckusCtrlApRadioStatsNumAuthSuccess

TABLE 467 ruckusCtrlApRadioStatsNumAuthSuccess

Object Name	ruckusCtrlApRadioStatsNumAuthSuccess
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.84
Description	Total number of successful authentications.

ruckusCtrlApRadioStatsNumAuthFail

TABLE 468 ruckusCtrlApRadioStatsNumAuthFail

Object Name	ruckusCtrlApRadioStatsNumAuthFail
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.85
Description	Total number of failed authentications.

ruckusCtrlApRadioStatsAuthFailRate

TABLE 469 ruckusCtrlApRadioStatsAuthFailRate

Object Name	ruckusCtrlApRadioStatsAuthFailRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.86
Description	Total number of failed connections - authentication and associated failure.

ruckusCtrlApRadioStatsNumAssocReq

TABLE 470 ruckusCtrlApRadioStatsNumAssocReq

Object Name	ruckusCtrlApRadioStatsNumAssocReq
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.87
Description	Total number of associated requests sent.

ruckusCtrlApRadioStatsNumAssocResp

TABLE 471 ruckusCtrlApRadioStatsNumAssocResp

Object Name	ruckusCtrlApRadioStatsNumAssocResp
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.88
Description	Total number of associated responses received.

ruckusCtrlApRadioStatsNumReassocReq

TABLE 472 ruckusCtrlApRadioStatsNumReassocReq

Object Name	ruckusCtrlApRadioStatsNumReassocReq
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.89
Description	Total number of re-associated requests sent.

ruckusCtrlApRadioStatsNumReassocResp

TABLE 473 ruckusCtrlApRadioStatsNumReassocResp

Object Name	ruckusCtrlApRadioStatsNumReassocResp
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.90
Description	Total number of re-associated responses received.

ruckusCtrlApRadioStatsNumAssocSuccess

TABLE 474 ruckusCtrlApRadioStatsNumAssocSuccess

Object Name	ruckusCtrlApRadioStatsNumAssocSuccess
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.91
Description	Total number of successful associations.

ruckusCtrlApRadioStatsNumAssocFail

TABLE 475 ruckusCtrlApRadioStatsNumAssocFail

Object Name	ruckusCtrlApRadioStatsNumAssocFail
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.92
Description	Total number of failed associations.

ruckusCtrlApRadioStatsAssocSuccessRate

TABLE 476 ruckusCtrlApRadioStatsAssocSuccessRate

Object Name	ruckusCtrlApRadioStatsAssocSuccessRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.94
Description	AP radio's station association success rate.

ruckusCtrlApRadioStatsAssocFailRate

TABLE 477 ruckusCtrlApRadioStatsAssocFailRate

Object Name	ruckusCtrlApRadioStatsAssocFailRate
Parent Node	ruckusCtrlApRadioTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.3.1.95
Description	AP radio's station association failure rate.

Ruckus Controller AP WLAN Table

The following MIBs define the information for the controller AP WLAN table (**ruckusCtrlApWlanTable**) for users to easily access all information of the WLAN to a specific radio of an AP. Using the ApMac in this table, users get more details about this AP. The index of the table is the *ApMac*, *RadioIndex* and *ApWlanBssid*.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

ruckusCtrlApWlanEntry

TABLE 478 ruckusCtrlApWlanEntry

Object Name	ruckusCtrlApWlanEntry
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1

TABLE 478 ruckusCtrlApWlanEntry (continued)

Object Name	ruckusCtrlApWlanEntry
Description	The index to this table is ApMac, RadioIndex and ApWlanBssid

ruckusCtrlApWlanApMac

TABLE 479 ruckusCtrlApWlanApMac

Object Name	ruckusCtrlApWlanApMac
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.1
Description	The AP MAC address.

ruckusCtrlApWlanRadioIndex

TABLE 480 ruckusCtrlApWlanRadioIndex

Object Name	ruckusCtrlApWlanRadioIndex
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.2
Description	The index of the radio: • 0: 2.4G • 1: 5G

ruckusCtrlApWlanBssid

TABLE 481 ruckusCtrlApWlanBssid

Object Name	ruckusCtrlApWlanBssid
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.3
Description	BSSID of the WLAN - AP MAC address for this WLAN.

ruckusCtrlApWlanAuthMethod

TABLE 482 ruckusCtrlApWlanAuthMethod

Object Name	ruckusCtrlApWlanAuthMethod
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.8
Description	Authentication method of the WLAN is: • 1: open • 3: auto • 4: wpa-eap-802-1x

ruckusCtrlApWlanEncryptMethod

TABLE 483 ruckusCtrlApWlanEncryptMethod

Object Name	ruckusCtrlApWlanEncryptMethod
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.9
Description	Encryption method of the WLAN is: • 1: open • 2: wep • 3: wpa

ruckusCtrlApWlanId

TABLE 484 ruckusCtrlApWlanId

Object Name	ruckusCtrlApWlanId
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.10
Description	Unique identifier (within zone) of this WLAN where the range is (0 to 65536)

ruckusCtrlApWlanName

TABLE 485 ruckusCtrlApWlanName

Object Name	ruckusCtrlApWlanName
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.11
Description	Displays the name of the WLAN.

ruckusCtrlApWlanRadioChannel

TABLE 486 ruckusCtrlApWlanRadioChannel

Object Name	ruckusCtrlApWlanRadioChannel
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.12
Description	Radio of the channel of this WLAN.

ruckusCtrlApWlanSsid

TABLE 487 ruckusCtrlApWlanSsid

Object Name	ruckusCtrlApWlanSsid
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.13
Description	SSID of this WLAN.

ruckusCtrlApWlanVlanId

TABLE 488 ruckusCtrlApWlanVlanId

Object Name	ruckusCtrlApWlanVlanId
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.14
Description	The VLAN identifier of this WLAN in the range (1 to 4094). If the VLAN ID is 1, packets from this WLAN will be untagged.

ruckusCtrlApWlanRtsThreshold

TABLE 489 ruckusCtrlApWlanRtsThreshold

Object Name	ruckusCtrlApWlanRtsThreshold
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.15
Description	This attribute indicates the threshold number of octets in an MPDU. The range is (256 to 2346). The default value is 2347.

ruckusCtrlApWlanDownRateLimit

TABLE 490 ruckusCtrlApWlanDownRateLimit

Object Name	ruckusCtrlApWlanDownRateLimit
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.19
Description	Down link rate limit of the WLAN in Kbps.

ruckusCtrlApWlanUpRateLimit

TABLE 491 ruckusCtrlApWlanUpRateLimit

Object Name	ruckusCtrlApWlanUpRateLimit
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.20
Description	UP link rate limit of the WLAN in Kbps.

ruckusCtrlApWlanIsBcastDisable

TABLE 492 ruckusCtrlApWlanIsBcastDisable

Object Name	ruckusCtrlApWlanIsBcastDisable
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.25
Description	To confirm if the SSID broadcast for this WLAN is disabled. Values are: • 0: No • 1: Yes

ruckusCtrlApWlanIsGuest

TABLE 493 ruckusCtrlApWlanIsGuest

Object Name	ruckusCtrlApWlanIsGuest
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.26
Description	To confirm if the WLAN connected is a guest. Values are: • 0: No • 1: Yes

ruckusCtrlApWlanIsTunnel

TABLE 494 ruckusCtrlApWlanIsTunnel

Object Name	ruckusCtrlApWlanIsTunnel
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.27
Description	To confirm if the tunnel is a WLAN. Values are: • 0: No • 1: Yes

ruckusCtrlApWlanStatsNumAssocClients

TABLE 495 ruckusCtrlApWlanStatsNumAssocClients

Object Name	ruckusCtrlApWlanStatsNumAssocClients
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.32
Description	Number of associated clients for this WLAN with an entry timestamp.

ruckusCtrlApWlanStatsRxPkts

TABLE 496 ruckusCtrlApWlanStatsRxPkts

Object Name	ruckusCtrlApWlanStatsRxPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.37
Description	Total number of received packets for this WLAN.

ruckusCtrlApWlanStatsTxPkts

TABLE 497 ruckusCtrlApWlanStatsTxPkts

Object Name	ruckusCtrlApWlanStatsTxPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.38
Description	Total number of transmitted packets for this WLAN.

ruckusCtrlApWlanStatsRxBytes

TABLE 498 ruckusCtrlApWlanStatsRxBytes

Object Name	ruckusCtrlApWlanStatsRxBytes
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.39
Description	Total number of received bytes of this WLAN. This counter does not include the Ether / VLAN header.

ruckusCtrlApWlanStatsTxBytes

TABLE 499 ruckusCtrlApWlanStatsTxBytes

Object Name	ruckusCtrlApWlanStatsTxBytes
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.40
Description	Total number of received bytes of this WLAN. This counter does not include the Ether / VLAN header.

ruckusCtrlApWlanStatsRxDataBytes

TABLE 500 ruckusCtrlApWlanStatsRxDataBytes

Object Name	ruckusCtrlApWlanStatsRxDataBytes
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.47
Description	Total number of data bytes received of this WLAN.

ruckusCtrlApWlanStatsTxDataBytes

TABLE 501 ruckusCtrlApWlanStatsTxDataBytes

Object Name	ruckusCtrlApWlanStatsTxDataBytes
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.48
Description	Total number of data bytes transmitted from this WLAN.

ruckusCtrlApWlanStatsRxDataPkts

TABLE 502 ruckusCtrlApWlanStatsRxDataPkts

Object Name	ruckusCtrlApWlanStatsRxDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.49
Description	Total number of data packets received.

ruckusCtrlApWlanStatsTxDataPkts

TABLE 503 ruckusCtrlApWlanStatsTxDataPkts

Object Name	ruckusCtrlApWlanStatsTxDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.50
Description	Total number of data packets transmitted.

ruckusCtrlApWlanStatsRxBcastDataPkts

TABLE 504 ruckusCtrlApWlanStatsRxBcastDataPkts

Object Name	ruckusCtrlApWlanStatsRxBcastDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.55
Description	Total number of broadcast data packets received.

ruckusCtrlApWlanStatsTxBcastDataPkts

TABLE 505 ruckusCtrlApWlanStatsTxBcastDataPkts

Object Name	ruckusCtrlApWlanStatsTxBcastDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.56
Description	Total number of broadcast data packets transmitted.

ruckusCtrlApWlanStatsRxMcastDataPkts

TABLE 506 ruckusCtrlApWlanStatsRxMcastDataPkts

Object Name	ruckusCtrlApWlanStatsRxMcastDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.57
Description	Total number of multicast data packets received.

ruckusCtrlApWlanStatsTxMcastDataPkts

TABLE 507 ruckusCtrlApWlanStatsTxMcastDataPkts

Object Name	ruckusCtrlApWlanStatsTxMcastDataPkts
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.58
Description	Total number of multicast data packets transmitted.

ruckusCtrlApWlanStatsNumAssocReq

TABLE 508 ruckusCtrlApWlanStatsNumAssocReq

Object Name	ruckusCtrlApWlanStatsNumAssocReq
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.78
Description	Total number of associated requests.

ruckusCtrlApWlanStatsNumAssocResp

TABLE 509 ruckusCtrlApWlanStatsNumAssocResp

Object Name	ruckusCtrlApWlanStatsNumAssocResp
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.79
Description	Total number of associated responses sent.

ruckusCtrlApWlanStatsNumReassocReq

TABLE 510 ruckusCtrlApWlanStatsNumReassocReq

Object Name	ruckusCtrlApWlanStatsNumReassocReq
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.80
Description	Total number of re-associated requests received

ruckusCtrlApWlanStatsNumReassocResp

TABLE 511 ruckusCtrlApWlanStatsNumReassocResp

Object Name	ruckusCtrlApWlanStatsNumReassocResp
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.81
Description	Total number of re-associated responses sent.

ruckusCtrlApWlanStatsNumAuthReq

TABLE 512 ruckusCtrlApWlanStatsNumAuthReq

Object Name	ruckusCtrlApWlanStatsNumAuthReq
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.89
Description	Total number of authentication requests received.

ruckusCtrlApWlanStatsNumAuthResp

TABLE 513 ruckusCtrlApWlanStatsNumAuthResp

Object Name	ruckusCtrlApWlanStatsNumAuthResp
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.90
Description	Total number of authentication responses sent.

ruckusCtrlApWlanStatsNumAuthSuccess

TABLE 514 ruckusCtrlApWlanStatsNumAuthSuccess

Object Name	ruckusCtrlApWlanStatsNumAuthSuccess
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.91
Description	Total number of successful authentications.

ruckusCtrlApWlanStatsNumAuthFail

TABLE 515 ruckusCtrlApWlanStatsNumAuthFail

Object Name	ruckusCtrlApWlanStatsNumAuthFail
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.92
Description	Total number of failed authentications.

ruckusCtrlApWlanStatsAuthFailRate

TABLE 516 ruckusCtrlApWlanStatsAuthFailRate

Object Name	ruckusCtrlApWlanStatsAuthFailRate
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.93
Description	Failed rate in percentage.

ruckusCtrlApWlanStatsNumAssocFail

TABLE 517 ruckusCtrlApWlanStatsNumAssocFail

Object Name	ruckusCtrlApWlanStatsNumAssocFail
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1.98
Description	Total number of associated failures.

Ruckus Controller Client Table

The following MIBs define the information for the controller **Client** table (**ruckusCtrlClientTable**) for users to easily access information of a specific client.

CAUTION
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

NOTE
It is recommended to use Public API or GPB/MQTT to obtain similar information for monitoring purposes.

In addition, if a client has successfully roamed from AP1 to AP2, only the information in AP2 will be returned. Using the *ClientMac* in this table, users get more details about this AP.

The index of the table is the *ClientMac*.

A MAC address of C8:AA:7C:8E:67:C4, must be translated to the equivalent decimal value of 200.170.124.142.103.196 for the query.

For example:

To get MAC C8:AA:7C:8E:67:C4, use the command format:

```
snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-MIB::ruck- usCtrlClientMac.6.200.170.124.142.103.196 where 6 is
the length of the string index.
```

ruckusCtrlClientEntry

TABLE 518 ruckusCtrlClientEntry

Object Name	ruckusCtrlClientEntry
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1
Description	The index to this table is ClientMac.

ruckusCtrlClientMac

TABLE 519 ruckusCtrlClientMac

Object Name	ruckusCtrlClientMac
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.1
Description	The MAC address of the user equipment.

ruckusCtrlClientIp

TABLE 520 ruckusCtrlClientIp

Object Name	ruckusCtrlClientIp
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.6
Description	The IP address of the user equipment.

ruckusCtrlClientIpv6

TABLE 521 ruckusCtrlClientIpv6

Object Name	ruckusCtrlClientIpv6
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.7
Description	The IPv6 address of the user equipment.

ruckusCtrlClientApMac

TABLE 522 ruckusCtrlClientApMac

Object Name	ruckusCtrlClientApMac
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.8
Description	The AP Mac address.

ruckusCtrlClientWlanBssid

TABLE 523 ruckusCtrlClientWlanBssid

Object Name	ruckusCtrlClientWlanBssid
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.9
Description	The BSSID of the WLAN.

ruckusCtrlClientSsid

TABLE 524 ruckusCtrlClientSsid

Object Name	ruckusCtrlClientSsid
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.10
Description	The SSID that the user equipment connects to.

ruckusCtrlClientRadioIndex

TABLE 525 ruckusCtrlClientRadioIndex

Object Name	ruckusCtrlClientRadioIndex
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.12
Description	The radio index of: • 0: 2.4G • 1: 5G.

ruckusCtrlClientRadioType

TABLE 526 ruckusCtrlClientRadioType

Object Name	ruckusCtrlClientRadioType
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.13

TABLE 526 ruckusCtrlClientRadioType (continued)

Object Name	ruckusCtrlClientRadioType
Description	The radio index: 1: ieee802dot11b 2: ieee802dot11g 3: ieee802dot11Mixed 4: ieee802dot11a 5: ieee802dot11ng 6: ieee802dot11na 7: ieee802dot11ac 8: ieee802dot11ax

ruckusCtrlClientRadioChannel

TABLE 527 ruckusCtrlClientRadioChannel

Object Name	ruckusCtrlClientRadioChannel
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.14
Description	The radio channel.

ruckusCtrlClientUsername

TABLE 528 ruckusCtrlClientUsername

Object Name	ruckusCtrlClientUsername
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.15
Description	The user name.

ruckusCtrlClientVlanId

TABLE 529 ruckusCtrlClientVlanId

Object Name	ruckusCtrlClientVlanId
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.18
Description	The VLAN identifier.

ruckusCtrlClientOsType

TABLE 530 ruckusCtrlClientOsType

Object Name	ruckusCtrlClientOsType
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.19

TABLE 530 ruckusCtrlClientOsType (continued)

Object Name	ruckusCtrlClientOsType
Description	The OS type of the user equipment.

ruckusCtrlClientStatus

TABLE 531 ruckusCtrlClientStatus

Object Name	ruckusCtrlClientStatus
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.20
Description	The authorized status of the client as: 1: unauthorized 2: authorized

ruckusCtrlClientAuthMode

TABLE 532 ruckusCtrlClientAuthMode

Object Name	ruckusCtrlClientAuthMode
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.29
Description	The authentication mode.

ruckusCtrlClientStatsRssi

TABLE 533 ruckusCtrlClientStatsRssi

Object Name	ruckusCtrlClientStatsRssi
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.41
Description	An estimate of the received signal power (strength), reported in dBm, at the AP for each received packet from a particular client.

ruckusCtrlClientStatsSnr

TABLE 534 ruckusCtrlClientStatsSnr

Object Name	ruckusCtrlClientStatsSnr
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.42
Description	An estimate of the received signal to noise ratio, reported in dB, at the AP for each received packet from a particular client. The SNR is rounded to the nearest dB.

ruckusCtrlClientStatsNoiseFloor

TABLE 535 ruckusCtrlClientStatsNoiseFloor

Object Name	ruckusCtrlClientStatsNoiseFloor
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.43
Description	An estimate of the radio's thermal noise floor, reported in dBm, at the AP. The noise floor estimate is rounded to the nearest dB.

ruckusCtrlClientStatsThroughput

TABLE 536 ruckusCtrlClientStatsThroughput

Object Name	ruckusCtrlClientStatsThroughput
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.44
Description	An estimate of the saturated throughput of the AP towards a particular client.

ruckusCtrlClientStatsRxDataBytes

TABLE 537 ruckusCtrlClientStatsRxDataBytes

Object Name	ruckusCtrlClientStatsRxDataBytes
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.49
Description	Total number of data bytes that are successfully received.

ruckusCtrlClientStatsTxDataBytes

TABLE 538 ruckusCtrlClientStatsTxDataBytes

Object Name	ruckusCtrlClientStatsTxDataBytes
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.50
Description	Total number of bytes that are successfully transmitted.

ruckusCtrlClientStatsRxDataPkts

TABLE 539 ruckusCtrlClientStatsRxDataPkts

Object Name	ruckusCtrlClientStatsRxDataPkts
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.51
Description	Total number of data packets that are successfully received.

ruckusCtrlClientStatsTxDataPkts

TABLE 540 ruckusCtrlClientStatsTxDataPkts

Object Name	ruckusCtrlClientStatsTxDataPkts
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.52
Description	Total number of data packets that are successfully transmitted.

ruckusCtrlClientStatsTxAvgByteRate

TABLE 541 ruckusCtrlClientStatsTxAvgByteRate

Object Name	ruckusCtrlClientStatsTxAvgByteRate
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.56
Description	Average rate as percentage of transmitted bytes.

ruckusCtrlClientStatsTxRetry

TABLE 542 ruckusCtrlClientStatsTxRetry

Object Name	ruckusCtrlClientStatsTxRetry
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.57
Description	Total number retries while transmitting packets.

ruckusCtrlClientStatsRxError

TABLE 543 ruckusCtrlClientStatsRxError

Object Name	ruckusCtrlClientStatsRxError
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.58
Description	Total number of errors when receiving packets.

ruckusCtrlClientStatsTxError

TABLE 544 ruckusCtrlClientStatsTxError

Object Name	ruckusCtrlClientStatsTxError
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.59
Description	Total number of errors when transmitting packets.

ruckusCtrlClientStatsTxRetryBytes

TABLE 545 ruckusCtrlClientStatsTxRetryBytes

Object Name	ruckusCtrlClientStatsTxRetryBytes
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.61
Description	Total number of retries when transmitting bytes.

ruckusCtrlClientStatsTxDropPkts

TABLE 546 ruckusCtrlClientStatsTxDropPkts

Object Name	ruckusCtrlClientStatsTxDropPkts
Parent Node	ruckusCtrlClientTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.8.1.63
Description	Total number of transmitted packets that dropped.

AP Wired Client Table

The following MIBs define the information for the controller **AP Wired Client (ruckusCtrlApWiredClientTable)** table for users to easily access information on all wired clients in a specific AP.

The index of the table is the *ApMac* and *WiredClientMac*.

To query all clients in a specific AP (ap1), use the command format:

```
snmpwalk ruckusCtrlApWiredClientMac.ap1
```

For MAC address of C8:AA:7C:8E:67:C4, it must be translated to equivalent decimal value of 202.170.124.142.103.196 for the query.

For example use the command format:

```
snmpget -v2c -c public <ip_addr>
RUCKUS-CTRL-MIB::ruckusCtrlApWiredClientMac.6.202.170.124.142.103.196
where 6 is the length of the string index
```

For MIB browser, it should translate the MAC address to the decimal form.

```
.1.3.6.1.4.1.25053.1.8.1.1.1.1.9.1.6.6.202.170.124.142.103.196
```

- ruckusCTRLApWiredClientEntry on page 227
- ruckusCtrlApWiredClientApMac on page 228
- ruckusCtrlApWiredClientMac on page 228

ruckusCTRLApWiredClientEntry

TABLE 547 ruckusCTRLApWiredClientEntry

Object Name	ruckusCTRLApWiredClientEntry
Parent Node	ruckusCtrlApWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.1.11.1

TABLE 547 ruckusCTRLApWiredClientEntry (continued)

Object Name	ruckusCTRLApWiredClientEntry
Description	The index to this table is: • ruckusCtrlApWiredClientApMac • ruckusCtrlApWiredClientMac

ruckusCtrlApWiredClientApMac

TABLE 548 ruckusCtrlApWiredClientApMac

Object Name	ruckusCtrlApWiredClientApMac
Parent Node	ruckusCtrlApWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.1.11.1
Description	The AP MAC address.

ruckusCtrlApWiredClientMac

TABLE 549 ruckusCtrlApWiredClientMac

Object Name	ruckusCtrlApWiredClientMac
Parent Node	ruckusCtrlApWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.1.11.1.6
Description	Wired client MAC address.

Ruckus Wired Client Table

The following MIBs define the information for the controller **Wired Client (ruckusCtrlWiredClientTable)** table for users to easily access information of a specific wired client.

The index of the table is *WiredClientMac*. This table supports only *snmppget* when the user knows the wired UE's MAC, where the first index should be provided.

To query MAC address of C8:AA:7C:8E:67:C4, it must be translated to an equivalent decimal value of 200.170.124.142.103.196.

For example, to get information of the wired UE with MAC address of C8:AA:7C:8E:67:C4 use the command format:

```
snmpget -v2c -c public <ip_addr> RUCKUS-CTRL-MIB::ruckusCtrlWiredClientMac.6.200.170.124.142.103.196
where 6 is the length of the string index


 MAC Address C8:AA:7C:8E:67:C4 in decimal form is 200.170.124.142.103.196:
```

NOTE
These tables are designed for debugging specific wired clients for a period of time. It is recommended that you do not use this for periodic and long time monitoring.

- ruckusCTRLWiredClientEntry on page 229
- ruckusCtrlWiredClientMac on page 229
- ruckusCtrlWiredClientUserName on page 230
- ruckusCtrlWiredClientLanPort on page 230

ruckusCTRLWiredClientEntry

TABLE 550 ruckusCTRLWiredClientEntry

Object Name	ruckusCTRLWiredClientEntry
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1
Description	The index to this table is WiredClientMac.

ruckusCtrlWiredClientMac

TABLE 551 ruckusCtrlWiredClientMac

Object Name	ruckusCtrlWiredClientMac
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.1
Description	The wired UE MAC Address

ruckusCtrlWiredClientUserName

TABLE 552 ruckusCtrlWiredClientUserName

Object Name	ruckusCtrlWiredClientUserName
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.3
Description	The wired UE user name.

ruckusCtrlWiredClientLanPort

TABLE 553 ruckusCtrlWiredClientLanPort

Object Name	ruckusCtrlWiredClientLanPort
Parent Node	ruckusCtrlApClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.4
Description	The wired UE LAN port

ruckusCtrlWiredClientVlanId

TABLE 554 ruckusCtrlWiredClientVlanId

Object Name	ruckusCtrlWiredClientVlanId
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.5
Description	VLAN identifier.

ruckusCtrlWiredClientIp

TABLE 555 ruckusCtrlWiredClientIp

Object Name	ruckusCtrlWiredClientIp
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.7
Description	The wired UE IP address.

ruckusCtrlWiredClientIpv6

TABLE 556 ruckusCtrlWiredClientIpv6

Object Name	ruckusCtrlWiredClientIpv6
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.7
Description	The wired UE IPV6 address.

ruckusCtrlWiredClientApMac

TABLE 557 ruckusCtrlWiredClientApMac

Object Name	ruckusCtrlWiredClientApMac
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.8
Description	The AP MAC address of the wired client.

ruckusCtrlWiredClientAuthStatus

TABLE 558 ruckusCtrlWiredClientAuthStatus

Object Name	ruckusCtrlWiredClientAuthStatus
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.10
Description	The authorized status of the wired client: • unauthorized (1) • authorized (2)

ruckusCtrlWiredClientRxFrames

TABLE 559 ruckusCtrlWiredClientRxFrames

Object Name	ruckusCtrlWiredClientRxFrames
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.15
Description	The total received frames of the wired client.

ruckusCtrlWiredClientTxFrames

TABLE 560 ruckusCtrlWiredClientTxFrames

Object Name	ruckusCtrlWiredClientTxFrames
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.16
Description	The total transmitted frames of the wired client.

ruckusCtrlWiredClientRxBytes

TABLE 561 ruckusCtrlWiredClientRxBytes

Object Name	ruckusCtrlWiredClientUserName
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.17
Description	The total received bytes of the wired client.

ruckusCtrlWiredClientTxBytes

TABLE 562 ruckusCtrlWiredClientTxBytes

Object Name	ruckusCtrlWiredClientTxBytes
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.18
Description	The total transmitted bytes of the wired client.

ruckusCtrlWiredClientRxUcastPkts

TABLE 563 ruckusCtrlWiredClientRxUcastPkts

Object Name	ruckusCtrlWiredClientRxUcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.23
Description	The number of received unicast packets of the wired client

ruckusCtrlWiredClientTxUcastPkts

TABLE 564 ruckusCtrlWiredClientTxUcastPkts

Object Name	ruckusCtrlWiredClientTxUcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.24
Description	The number of transmitted unicast packets of the wired client.

ruckusCtrlWiredClientRxMcastPkts

TABLE 565 ruckusCtrlWiredClientRxMcastPkts

Object Name	ruckusCtrlWiredClientRxMcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.25
Description	The number of multicast packets received of the wired client.

ruckusCtrlWiredClientTxMcastPkts

TABLE 566 ruckusCtrlWiredClientTxMcastPkts

Object Name	ruckusCtrlWiredClientTxMcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.26
Description	The number of multicast packets transmitted of the wired client.

ruckusCtrlWiredClientRxMcastLegacyPkts

TABLE 567 ruckusCtrlWiredClientRxMcastLegacyPkts

Object Name	ruckusCtrlWiredClientRxMcastLegacyPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.27
Description	The total number of multicast legacy packets of the wired client.

ruckusCtrlWiredClientRxBcastPkts

TABLE 568 ruckusCtrlWiredClientRxBcastPkts

Object Name	ruckusCtrlWiredClientRxBcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.28
Description	The number of broadcast packets received of the wired client.

ruckusCtrlWiredClientTxBcastPkts

TABLE 569 ruckusCtrlWiredClientTxBcastPkts

Object Name	ruckusCtrlWiredClientTxBcastPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.29
Description	The number of broadcast packets transmitted of the wired client.

ruckusCtrlWiredClientRxDroppedPkts

TABLE 570 ruckusCtrlWiredClientRxDroppedPkts

Object Name	ruckusCtrlWiredClientRxDroppedPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.34
Description	The number of dropped frames received.

ruckusCtrlWiredClientTxDroppedPkts

TABLE 571 ruckusCtrlWiredClientTxDroppedPkts

Object Name	ruckusCtrlWiredClientTxDroppedPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.35
Description	The number of transmitted dropped frames.

ruckusCtrlWiredClientRxEapolPkts

TABLE 572 ruckusCtrlWiredClientRxEapolPkts

Object Name	ruckusCtrlWiredClientRxEapolPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.36
Description	The number of EAPOL (Extensible Authentication Protocol (EAP) over LAN (EAPoL)) packets received.

ruckusCtrlWiredClientTxEapolPkts

TABLE 573 ruckusCtrlWiredClientTxEapolPkts

Object Name	ruckusCtrlWiredClientTxEapolPkts
Parent Node	ruckusCtrlWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.2.15.1.37
Description	The number of EAPOL packets transmitted.

Ruckus IPv6 MIB

The following standard MIB OIDs which supported IPv6 will now be able to use IPv6 address to query SNMP MIB:

IP-FORWARD-MIB

inetCidrRouteTable

Following are the objects related to IP-FORWARD-MIB::inetCidrRouteTable:

inetCidrRouteIfIndex

TABLE 574 inetCidrRouteIfIndex

Object Name	inetCidrRouteIfIndex
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.7

inetCidrRouteType

TABLE 575 inetCidrRouteType

Object Name	inetCidrRouteType
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.8

inetCidrRouteProto

TABLE 576 inetCidrRouteProto

Object Name	inetCidrRouteProto
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.9

inetCidrRouteAge

TABLE 577 inetCidrRouteAge

Object Name	inetCidrRouteAge
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.10

inetCidrRouteNextHopAS

TABLE 578 inetCidrRouteNextHopAS

Object Name	inetCidrRouteNextHopAS
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.11

inetCidrRouteMetric1

TABLE 579 inetCidrRouteMetric1

Object Name	inetCidrRouteMetric1
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.12

inetCidrRouteMetric2

TABLE 580 inetCidrRouteMetric2

Object Name	inetCidrRouteMetric2
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.13

inetCidrRouteMetric3

TABLE 581 inetCidrRouteMetric3

Object Name	inetCidrRouteMetric3
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.14

inetCidrRouteMetric4

TABLE 582 inetCidrRouteMetric4

Object Name	inetCidrRouteMetric4
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.15

inetCidrRouteMetric5

TABLE 583 inetCidrRouteMetric5

Object Name	inetCidrRouteMetric5
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.16

inetCidrRouteStatus

TABLE 584 inetCidrRouteStatus

Object Name	inetCidrRouteStatus
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.17

IP-MIB

Following are the objects related to IP-MIB:

- ipv6IpForwarding on page 237
- ipv6IpDefaultHopLimit on page 237
- ipv6InterfaceTableLastChange on page 238

ipv6IpForwarding

TABLE 585 ipv6IpForwarding

Object Name	ipv6IpForwarding
Object Identifier	.1.3.6.1.2.1.4.25

ipv6IpDefaultHopLimit

TABLE 586 ipv6IpDefaultHopLimit

Object Name	ipv6IpDefaultHopLimit
Object Identifier	.1.3.6.1.2.1.4.26

ipv6InterfaceTableLastChange

TABLE 587 ipv6InterfaceTableLastChange

Object Name	ipv6InterfaceTableLastChange
Object Identifier	.1.3.6.1.2.1.4.29

ipv6InterfaceTable

Following are the objects related to IP-MIB::ipv6InterfaceTable:

- ipv6InterfaceReasmMaxSize on page 238
- ipv6InterfaceIdentifier on page 238
- ipv6InterfaceEnableStatus on page 238
- ipv6InterfaceReachableTime on page 238
- ipv6InterfaceRetransmitTime on page 239
- ipv6InterfaceForwarding on page 239

ipv6InterfaceReasmMaxSize

TABLE 588 ipv6InterfaceReasmMaxSize

Object Name	ipv6InterfaceReasmMaxSize
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.2

ipv6InterfaceIdentifier

TABLE 589 ipv6InterfaceIdentifier

Object Name	ipv6InterfaceIdentifier
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.3

ipv6InterfaceEnableStatus

TABLE 590 ipv6InterfaceEnableStatus

Object Name	ipv6InterfaceEnableStatus
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.5

ipv6InterfaceReachableTime

TABLE 591 ipv6InterfaceReachableTime

Object Name	ipv6InterfaceReachableTime
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.6

ipv6InterfaceRetransmitTime

TABLE 592 ipv6InterfaceRetransmitTime

Object Name	ipv6InterfaceRetransmitTime
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.7

ipv6InterfaceForwarding

TABLE 593 ipv6InterfaceForwarding

Object Name	ipv6InterfaceForwarding
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.8

ipSystemStatsTable

Following are the objects related to IP-MIB::ipSystemStatsTable:

Object	Object	Object
ipSystemStatsInReceives on page 239	ipSystemStatsHCInReceives on page 240	ipSystemStatsInOctets on page 240
ipSystemStatsHCInOctets on page 240	ipSystemStatsInHdrErrors on page 240	ipSystemStatsInNoRoutes on page 240
ipSystemStatsInAddrErrors on page 240	ipSystemStatsInUnknownProtos on page 241	ipSystemStatsInTruncatedPkts on page 241
ipSystemStatsInForwDatagrams on page 241	ipSystemStatsHCInForwDatagrams on page 241	ipSystemStatsReasmReqds on page 241
ipSystemStatsReasmOKs on page 241	ipSystemStatsReasmFails on page 242	ipSystemStatsInDiscards on page 242
ipSystemStatsInDelivers on page 242	ipSystemStatsHCInDelivers on page 242	ipSystemStatsOutRequests on page 242
ipSystemStatsHCOutRequests on page 242	ipSystemStatsOutNoRoutes on page 243	ipSystemStatsOutForwDatagrams on page 243
ipSystemStatsHCOutForwDatagrams on page 243	ipSystemStatsOutDiscards on page 243	ipSystemStatsOutFragReqds on page 243
ipSystemStatsOutFragOKs on page 243	ipSystemStatsOutFragFails on page 244	ipSystemStatsOutFragCreates on page 244
ipSystemStatsOutTransmits on page 244	ipSystemStatsHCOutTransmits on page 244	ipSystemStatsOutOctets on page 244
ipSystemStatsHCOutOctets on page 244	ipSystemStatsInMcastPkts on page 245	ipSystemStatsHCInMcastPkts on page 245
ipSystemStatsInMcastOctets on page 245	ipSystemStatsHCInMcastOctets on page 245	ipSystemStatsOutMcastPkts on page 245
ipSystemStatsHCOutMcastPkts on page 245	ipSystemStatsOutMcastOctets on page 246	ipSystemStatsHCOutMcastOctets on page 246
ipSystemStatsDiscontinuityTime on page 246	ipSystemStatsRefreshRate on page 246	

ipSystemStatsInReceives

TABLE 594 ipSystemStatsInReceives

Object Name	ipSystemStatsInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.3

ipSystemStatsHCInReceives

TABLE 595 ipSystemStatsHCInReceives

Object Name	ipSystemStatsHCInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.4

ipSystemStatsInOctets

TABLE 596 ipSystemStatsInOctets

Object Name	ipSystemStatsInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.5

ipSystemStatsHCInOctets

TABLE 597 ipSystemStatsHCInOctets

Object Name	ipSystemStatsHCInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.6

ipSystemStatsInHdrErrors

TABLE 598 ipSystemStatsInHdrErrors

Object Name	ipSystemStatsInHdrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.7

ipSystemStatsInNoRoutes

TABLE 599 ipSystemStatsInNoRoutes

Object Name	ipSystemStatsInNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.8

ipSystemStatsInAddrErrors

TABLE 600 ipSystemStatsInAddrErrors

Object Name	ipSystemStatsInAddrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.9

ipSystemStatsInUnknownProtos

TABLE 601 ipSystemStatsInUnknownProtos

Object Name	ipSystemStatsInUnknownProtos
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.10

ipSystemStatsInTruncatedPkts

TABLE 602 ipSystemStatsInTruncatedPkts

Object Name	ipSystemStatsInTruncatedPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.11

ipSystemStatsInForwDatagrams

TABLE 603 ipSystemStatsInForwDatagrams

Object Name	ipSystemStatsInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.12

ipSystemStatsHCInForwDatagrams

TABLE 604 ipSystemStatsHCInForwDatagrams

Object Name	ipSystemStatsHCInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.13

ipSystemStatsReasmReqds

TABLE 605 ipSystemStatsReasmReqds

Object Name	ipSystemStatsReasmReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.14

ipSystemStatsReasmOKs

TABLE 606 ipSystemStatsReasmOKs

Object Name	ipSystemStatsReasmOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.15

ipSystemStatsReasmFails

TABLE 607 ipSystemStatsReasmFails

Object Name	ipSystemStatsReasmFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.16

ipSystemStatsInDiscards

TABLE 608 ipSystemStatsInDiscards

Object Name	ipSystemStatsInDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.17

ipSystemStatsInDelivers

TABLE 609 ipSystemStatsInDelivers

Object Name	ipSystemStatsInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.18

ipSystemStatsHCInDelivers

TABLE 610 ipSystemStatsHCInDelivers

Object Name	ipSystemStatsHCInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.19

ipSystemStatsOutRequests

TABLE 611 ipSystemStatsOutRequests

Object Name	ipSystemStatsOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.20

ipSystemStatsHCOutRequests

TABLE 612 ipSystemStatsHCOutRequests

Object Name	ipSystemStatsHCOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.21

ipSystemStatsOutNoRoutes

TABLE 613 ipSystemStatsOutNoRoutes

Object Name	ipSystemStatsOutNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.22

ipSystemStatsOutForwDatagrams

TABLE 614 ipSystemStatsOutForwDatagrams

Object Name	ipSystemStatsOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.23

ipSystemStatsHCOutForwDatagrams

TABLE 615 ipSystemStatsHCOutForwDatagrams

Object Name	ipSystemStatsHCOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.24

ipSystemStatsOutDiscards

TABLE 616 ipSystemStatsOutDiscards

Object Name	ipSystemStatsOutDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.25

ipSystemStatsOutFragReqds

TABLE 617 ipSystemStatsOutFragReqds

Object Name	ipSystemStatsOutFragReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.26

ipSystemStatsOutFragOKs

TABLE 618 ipSystemStatsOutFragOKs

Object Name	ipSystemStatsOutFragOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.27

ipSystemStatsOutFragFails

TABLE 619 ipSystemStatsOutFragFails

Object Name	ipSystemStatsOutFragFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.28

ipSystemStatsOutFragCreates

TABLE 620 ipSystemStatsOutFragCreates

Object Name	ipSystemStatsOutFragCreates
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.29

ipSystemStatsOutTransmits

TABLE 621 ipSystemStatsOutTransmits

Object Name	ipSystemStatsOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.30

ipSystemStatsHCOutTransmits

TABLE 622 ipSystemStatsHCOutTransmits

Object Name	ipSystemStatsHCOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.31

ipSystemStatsOutOctets

TABLE 623 ipSystemStatsOutOctets

Object Name	ipSystemStatsOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.32

ipSystemStatsHCOutOctets

TABLE 624 ipSystemStatsHCOutOctets

Object Name	ipSystemStatsHCOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.33

ipSystemStatsInMcastPkts

TABLE 625 ipSystemStatsInMcastPkts

Object Name	ipSystemStatsInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.34

ipSystemStatsHCInMcastPkts

TABLE 626 ipSystemStatsHCInMcastPkts

Object Name	ipSystemStatsHCInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.35

ipSystemStatsInMcastOctets

TABLE 627 ipSystemStatsInMcastOctets

Object Name	ipSystemStatsInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.36

ipSystemStatsHCInMcastOctets

TABLE 628 ipSystemStatsHCInMcastOctets

Object Name	ipSystemStatsHCInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.37

ipSystemStatsOutMcastPkts

TABLE 629 ipSystemStatsOutMcastPkts

Object Name	ipSystemStatsOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.38

ipSystemStatsHCOutMcastPkts

TABLE 630 ipSystemStatsHCOutMcastPkts

Object Name	ipSystemStatsHCOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.39

ipSystemStatsOutMcastOctets

TABLE 631 ipSystemStatsOutMcastOctets

Object Name	ipSystemStatsOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.40

ipSystemStatsHCOutMcastOctets

TABLE 632 ipSystemStatsHCOutMcastOctets

Object Name	ipSystemStatsHCOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.41

ipSystemStatsDiscontinuityTime

TABLE 633 ipSystemStatsDiscontinuityTime

Object Name	ipSystemStatsDiscontinuityTime
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.46

ipSystemStatsRefreshRate

TABLE 634 ipSystemStatsRefreshRate

Object Name	ipSystemStatsRefreshRate
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.47

ipIfStatsTable

Following are the objects related to IP-MIB::ipIfStatsTable:

Object	Object	Object
ipIfStatsInReceives on page 247	ipIfStatsHCInReceives on page 247	ipIfStatsInOctets on page 247
ipIfStatsHCInOctets on page 247	ipIfStatsInHdrErrors on page 247	ipIfStatsInNoRoutes on page 248
ipIfStatsInAddrErrors on page 248	ipIfStatsInUnknownProtos on page 248	ipIfStatsInTruncatedPkts on page 248
ipIfStatsInForwDatagrams on page 248	ipIfStatsHCInForwDatagrams on page 248	ipIfStatsReasmReqds on page 249
ipIfStatsReasmOKs on page 249	ipIfStatsReasmFails on page 249	ipIfStatsInDiscards on page 249
ipIfStatsInDelivers on page 249	ipIfStatsHCInDelivers on page 249	ipIfStatsOutRequests on page 250
ipIfStatsHCOutRequests on page 250	ipIfStatsOutForwDatagrams on page 250	ipIfStatsHCOutForwDatagrams on page 250
ipIfStatsOutDiscards on page 250	ipIfStatsOutFragReqds on page 250	ipIfStatsOutFragOKs on page 251
ipIfStatsOutFragFails on page 251	ipIfStatsOutFragCreates on page 251	ipIfStatsOutTransmits on page 251
ipIfStatsHCOutTransmits on page 251	ipIfStatsOutOctets on page 251	ipIfStatsHCOutOctets on page 252
ipIfStatsInMcastPkts on page 252	ipIfStatsHCInMcastPkts on page 252	ipIfStatsInMcastOctets on page 252

Object	Object	Object
ipIfStatsHCInMcastOctets on page 252	ipIfStatsOutMcastPkts on page 252	ipIfStatsHCOutMcastPkts on page 253
ipIfStatsOutMcastOctets on page 253	ipIfStatsHCOutMcastOctets on page 253	ipIfStatsDiscontinuityTime on page 253
ipIfStatsRefreshRate on page 253		

ipIfStatsInReceives

TABLE 635 ipIfStatsInReceives

Object Name	ipIfStatsInReceives
Parent Node	ipIfStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.3

ipIfStatsHCInReceives

TABLE 636 ipIfStatsHCInReceives

Object Name	ipIfStatsHCInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.4

ipIfStatsInOctets

TABLE 637 iipIfStatsInOctets

Object Name	ipIfStatsInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.5

ipIfStatsHCInOctets

TABLE 638 ipIfStatsHCInOctets

Object Name	ipIfStatsHCInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.6

ipIfStatsInHdrErrors

TABLE 639 iipIfStatsInHdrErrors

Object Name	ipIfStatsInHdrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.7

ipIfStatsInNoRoutes

TABLE 640 ipIfStatsInNoRoutes

Object Name	ipIfStatsInNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.8

ipIfStatsInAddrErrors

TABLE 641 ipIfStatsInAddrErrors

Object Name	ipIfStatsInAddrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.9

ipIfStatsInUnknownProtos

TABLE 642 ipIfStatsInUnknownProtos

Object Name	ipIfStatsInUnknownProtos
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.10

ipIfStatsInTruncatedPkts

TABLE 643 ipIfStatsInTruncatedPkts

Object Name	ipIfStatsInTruncatedPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.11

ipIfStatsInForwDatagrams

TABLE 644 ipIfStatsInForwDatagrams

Object Name	ipIfStatsInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.12

ipIfStatsHCInForwDatagrams

TABLE 645 ipIfStatsHCInForwDatagrams

Object Name	ipIfStatsHCInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.13

ipIfStatsReasmReqds

TABLE 646 iipIfStatsReasmReqds

Object Name	ipIfStatsReasmReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.14

ipIfStatsReasmOKs

TABLE 647 ipIfStatsReasmOKs

Object Name	ipIfStatsReasmOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.15

ipIfStatsReasmFails

TABLE 648 ipIfStatsReasmFails

Object Name	ipIfStatsReasmFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.16

ipIfStatsInDiscards

TABLE 649 iipIfStatsInDiscards

Object Name	ipIfStatsInDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.17

ipIfStatsInDelivers

TABLE 650 ipIfStatsInDelivers

Object Name	ipIfStatsInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.18

ipIfStatsHCInDelivers

TABLE 651 ipIfStatsHCInDelivers

Object Name	ipIfStatsHCInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.19

ipIfStatsOutRequests

TABLE 652 ipIfStatsOutRequests

Object Name	ipIfStatsOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.20

ipIfStatsHCOutRequests

TABLE 653 ipIfStatsHCOutRequests

Object Name	ipIfStatsHCOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.21

ipIfStatsOutForwDatagrams

TABLE 654 iipIfStatsOutForwDatagrams

Object Name	ipIfStatsOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.23

ipIfStatsHCOutForwDatagrams

TABLE 655 ipIfStatsHCOutForwDatagrams

Object Name	ipIfStatsHCOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.24

ipIfStatsOutDiscards

TABLE 656 ipIfStatsOutDiscards

Object Name	ipIfStatsOutDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.25

ipIfStatsOutFragReqds

TABLE 657 ipIfStatsOutFragReqds

Object Name	ipIfStatsOutFragReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.26

ipIfStatsOutFragOKs

TABLE 658 ipIfStatsOutFragOKs

Object Name	ipIfStatsOutFragOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.27

ipIfStatsOutFragFails

TABLE 659 ipIfStatsOutFragFails

Object Name	ipIfStatsOutFragFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.28

ipIfStatsOutFragCreates

TABLE 660 ipIfStatsOutFragCreates

Object Name	ipIfStatsOutFragCreates
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.29

ipIfStatsOutTransmits

TABLE 661 ipIfStatsOutTransmits

Object Name	ipIfStatsOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.30

ipIfStatsHCOutTransmits

TABLE 662 ipIfStatsHCOutTransmits

Object Name	ipIfStatsHCOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.31

ipIfStatsOutOctets

TABLE 663 ipIfStatsOutOctets

Object Name	ipIfStatsOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.32

ipIfStatsHCOutOctets

TABLE 664 ipIfStatsHCOutOctets

Object Name	ipIfStatsHCOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.33

ipIfStatsInMcastPkts

TABLE 665 ipIfStatsInMcastPkts

Object Name	ipIfStatsInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.34

ipIfStatsHCInMcastPkts

TABLE 666 ipIfStatsHCInMcastPkts

Object Name	ipIfStatsHCInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.35

ipIfStatsInMcastOctets

TABLE 667 ipIfStatsInMcastOctets

Object Name	ipIfStatsInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.36

ipIfStatsHCInMcastOctets

TABLE 668 ipIfStatsHCInMcastOctets

Object Name	ipIfStatsHCInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.37

ipIfStatsOutMcastPkts

TABLE 669 ipIfStatsOutMcastPkts

Object Name	ipIfStatsOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.38

ipIfStatsHCOutMcastPkts

TABLE 670 ipIfStatsHCOutMcastPkts

Object Name	ipIfStatsHCOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.39

ipIfStatsOutMcastOctets

TABLE 671 ipIfStatsOutMcastOctets

Object Name	ipIfStatsOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.40

ipIfStatsHCOutMcastOctets

TABLE 672 ipIfStatsHCOutMcastOctets

Object Name	ipIfStatsHCOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.41

ipIfStatsDiscontinuityTime

TABLE 673 ipIfStatsDiscontinuityTime

Object Name	ipIfStatsDiscontinuityTime
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.46

ipIfStatsRefreshRate

TABLE 674 ipIfStatsRefreshRate

Object Name	ipIfStatsRefreshRate
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.47

ipAddressPrefixTable

Following are the objects related to IP-MIB::ipAddressPrefixTable:

- ipAddressPrefixOrigin on page 254
- ipAddressPrefixOnLinkFlag on page 254
- ipAddressPrefixAutonomousFlag on page 254
- ipAddressPrefixAdvPreferredLifetime on page 254
- ipAddressPrefixAdvValidLifetime on page 254

ipAddressPrefixOrigin

TABLE 675 ipAddressPrefixOrigin

Object Name	ipAddressPrefixOrigin
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.5

ipAddressPrefixOnLinkFlag

TABLE 676 ipAddressPrefixOnLinkFlag

Object Name	ipAddressPrefixOnLinkFlag
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.6

ipAddressPrefixAutonomousFlag

TABLE 677 ipAddressPrefixAutonomousFlag

Object Name	ipAddressPrefixAutonomousFlag
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.7

ipAddressPrefixAdvPreferredLifetime

TABLE 678 ipAddressPrefixAdvPreferredLifetime

Object Name	ipAddressPrefixAdvPreferredLifetime
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.8

ipAddressPrefixAdvValidLifetime

TABLE 679 ipAddressPrefixAdvValidLifetime

Object Name	ipAddressPrefixAdvValidLifetime
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.9

ipAddressTable

Following are the objects related to IP-MIB::ipAddressTable:

- ipAddressIfIndex on page 255
- ipAddressType on page 255
- ipAddressPrefix on page 255
- ipAddressOrigin on page 255
- ipAddressStatus on page 255

- ipAddressCreated on page 256
- ipAddressLastChanged on page 256
- ipAddressRowStatus on page 256
- ipAddressStorageType on page 256

ipAddressIfIndex

TABLE 680 ipAddressIfIndex

Object Name	ipAddressIfIndex
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.3

ipAddressType

TABLE 681 ipAddressType

Object Name	ipAddressType
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.4

ipAddressPrefix

TABLE 682 ipAddressPrefix

Object Name	ipAddressPrefix
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.5

ipAddressOrigin

TABLE 683 ipAddressOrigin

Object Name	ipAddressOrigin
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.6

ipAddressStatus

TABLE 684 ipAddressStatus

Object Name	ipAddressStatus
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.7

ipAddressCreated

TABLE 685 ipAddressCreated

Object Name	ipAddressCreated
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.8

ipAddressLastChanged

TABLE 686 ipAddressLastChanged

Object Name	ipAddressLastChanged
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.9

ipAddressRowStatus

TABLE 687 ipAddressRowStatus

Object Name	ipAddressRowStatus
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.10

ipAddressStorageType

TABLE 688 ipAddressStorageType

Object Name	ipAddressStorageType
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.11

ipNetToPhysicalTable

Following are the objects related to IP-MIB::ipNetToPhysicalTable:

- ipNetToPhysicalPhysAddress on page 256
- ipNetToPhysicalLastUpdated on page 257
- ipNetToPhysicalRowStatus on page 257
- ipNetToPhysicalState on page 257
- ipNetToPhysicalType on page 257

ipNetToPhysicalPhysAddress

TABLE 689 ipNetToPhysicalPhysAddress

Object Name	ipNetToPhysicalPhysAddress
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.4

ipNetToPhysicalLastUpdated

TABLE 690 ipNetToPhysicalLastUpdated

Object Name	ipNetToPhysicalLastUpdated
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.5

ipNetToPhysicalRowStatus

TABLE 691 ipNetToPhysicalRowStatus

Object Name	ipNetToPhysicalRowStatus
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.6

ipNetToPhysicalState

TABLE 692 ipNetToPhysicalState

Object Name	ipNetToPhysicalState
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.7

ipNetToPhysicalType

TABLE 693 ipNetToPhysicalType

Object Name	ipNetToPhysicalType
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.8

ipv6ScopeZoneIndexTable

Following are the objects related to IP-MIB::ipv6ScopeZoneIndexTable:

- ipv6ScopeZoneIndexLinkLocal on page 258
- ipv6ScopeZoneIndex3 on page 258
- ipv6ScopeZoneIndexAdminLocal on page 258
- ipv6ScopeZoneIndexSiteLocal on page 258
- ipv6ScopeZoneIndex6 on page 258
- ipv6ScopeZoneIndex7 on page 258
- ipv6ScopeZoneIndexOrganizationLocal on page 259
- ipv6ScopeZoneIndex9 on page 259
- ipv6ScopeZoneIndexA on page 259
- ipv6ScopeZoneIndexB on page 259
- ipv6ScopeZoneIndexC on page 259
- ipv6ScopeZoneIndexD on page 259

ipv6ScopeZoneIndexLinkLocal

TABLE 694 ipv6ScopeZoneIndexLinkLocal

Object Name	ipv6ScopeZoneIndexLinkLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.2

ipv6ScopeZoneIndex3

TABLE 695 ipv6ScopeZoneIndex3

Object Name	ipv6ScopeZoneIndex3
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.3

ipv6ScopeZoneIndexAdminLocal

TABLE 696 ipv6ScopeZoneIndexAdminLocal

Object Name	ipv6ScopeZoneIndexAdminLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.4

ipv6ScopeZoneIndexSiteLocal

TABLE 697 ipv6ScopeZoneIndexSiteLocal

Object Name	ipv6ScopeZoneIndexSiteLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.5

ipv6ScopeZoneIndex6

TABLE 698 ipv6ScopeZoneIndex6

Object Name	ipv6ScopeZoneIndex6
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.6

ipv6ScopeZoneIndex7

TABLE 699 ipv6ScopeZoneIndex7

Object Name	ipv6ScopeZoneIndex7
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.7

ipv6ScopeZoneIndexOrganizationLocal

TABLE 700 ipv6ScopeZoneIndexOrganizationLocal

Object Name	ipv6ScopeZoneIndexOrganizationLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.8

ipv6ScopeZoneIndex9

TABLE 701 ipv6ScopeZoneIndex9

Object Name	ipv6ScopeZoneIndex9
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.9

ipv6ScopeZoneIndexA

TABLE 702 ipv6ScopeZoneIndexA

Object Name	ipv6ScopeZoneIndexA
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.10

ipv6ScopeZoneIndexB

TABLE 703 ipv6ScopeZoneIndexB

Object Name	ipv6ScopeZoneIndexB
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.11

ipv6ScopeZoneIndexC

TABLE 704 ipv6ScopeZoneIndexC

Object Name	ipv6ScopeZoneIndexC
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.12

ipv6ScopeZoneIndexD

TABLE 705 ipv6ScopeZoneIndexD

Object Name	ipv6ScopeZoneIndexD
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.13

icmpStatsTable

Following are the objects related to IP-MIB::icmpStatsTable:

- icmpStatsInMsgs on page 260
- icmpStatsInErrors on page 260
- icmpStatsOutMsgs on page 260
- icmpStatsOutErrors on page 260

icmpStatsInMsgs

TABLE 706 icmpStatsInMsgs

Object Name	icmpStatsInMsgs
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.2

icmpStatsInErrors

TABLE 707 icmpStatsInErrors

Object Name	icmpStatsInErrors
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.3

icmpStatsOutMsgs

TABLE 708 icmpStatsOutMsgs

Object Name	icmpStatsOutMsgs
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.4

icmpStatsOutErrors

TABLE 709 icmpStatsOutErrors

Object Name	icmpStatsOutErrors
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.5

icmpMsgStatsTable

Following are the objects related to IP-MIB::icmpMsgStatsTable:

- icmpMsgStatsInPkts on page 261
- icmpMsgStatsOutPkts on page 261

icmpMsgStatsInPkts

TABLE 710 icmpMsgStatsInPkts

Object Name	icmpMsgStatsInPkts
Parent Node	icmpMsgStatsTable
Object Identifier	.1.3.6.1.2.1.5.30.1.3

icmpMsgStatsOutPkts

TABLE 711 icmpMsgStatsOutPkts

Object Name	icmpMsgStatsOutPkts
Parent Node	icmpMsgStatsTable
Object Identifier	.1.3.6.1.2.1.5.30.1.4

TCP-MIB

tcpListenerTable

Object(s) related to TCP-MIB::tcpListenerTable:

- tcpListenerProcess on page 261

tcpListenerProcess

TABLE 712 tcpListenerProcess

Object Name	tcpListenerProcess
Parent Node	tcpListenerTable
Object Identifier	.1.3.6.1.2.1.6.20.1.4

tcpConnectionTable

Following are the objects related to TCP-MIB::tcpConnectionTable:

- tcpConnectionState on page 261
- tcpConnectionProcess on page 262

tcpConnectionState

TABLE 713 tcpConnectionState

Object Name	tcpConnectionState
Parent Node	tcpConnectionTable
Object Identifier	.1.3.6.1.2.1.6.19.1.7

tcpConnectionProcess

TABLE 714 tcpConnectionProcess

Object Name	tcpConnectionProcess
Parent Node	tcpConnectionTable
Object Identifier	.1.3.6.1.2.1.6.19.1.8

UDP-MIB

udpEndpointTable

Object(s) related to UDP-MIB::udpEndpointTable:

- udpEndpointProcess on page 262

udpEndpointProcess

TABLE 715 udpEndpointProcess

Object Name	udpEndpointProcess
Parent Node	udpEndpointTable
Object Identifier	.1.3.6.1.2.1.7.7.1.8

IPV6-MIB

Following are the objects related to IPV6-MIB:

- ipv6Forwarding on page 262
- ipv6DefaultHopLimit on page 262
- ipv6Interfaces on page 263

ipv6Forwarding

TABLE 716 ipv6Forwarding

Object Name	ipv6Forwarding
Object Identifier	.1.3.6.1.2.1.55.1.1

ipv6DefaultHopLimit

TABLE 717 ipv6DefaultHopLimit

Object Name	ipv6DefaultHopLimit
Object Identifier	.1.3.6.1.2.1.55.1.2

ipv6Interfaces

TABLE 718 ipv6Interfaces

Object Name	ipv6Interfaces
Object Identifier	.1.3.6.1.2.1.55.1.3

ipv6IfTable

Following are the objects related to IPV6-MIB::ipv6IfTable:

- ipv6IfDescr on page 263
- ipv6IfLowerLayer on page 263
- ipv6IfPhysicalAddress on page 263
- ipv6IfPhysicalAddress on page 263
- ipv6IfAdminStatus on page 264
- ipv6IfOperStatus on page 264

ipv6IfDescr

TABLE 719 ipv6IfDescr

Object Name	ipv6IfDescr
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.2

ipv6IfLowerLayer

TABLE 720 ipv6IfLowerLayer

Object Name	ipv6IfLowerLayer
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.3

ipv6IfPhysicalAddress

TABLE 721 ipv6IfPhysicalAddress

Object Name	ipv6IfPhysicalAddress
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.4

ipv6IfPhysicalAddress

TABLE 722 ipv6IfPhysicalAddress

Object Name	ipv6IfPhysicalAddress
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.8

ipv6IfAdminStatus

TABLE 723 ipv6IfAdminStatus

Object Name	ipv6IfAdminStatus
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.9

ipv6IfOperStatus

TABLE 724 ipv6IfOperStatus

Object Name	ipv6IfOperStatus
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.10

SmartZone Event Traps

ruckusSZSystemMiscEventTrap

- Object Name - ruckusSZSystemMiscEventTrap on page 51
- Object Identifier -.1.3.6.1.4.1.25053.2.11.1.1

Event	Event	Event
0:Unknown	195: scheduleZoneFirmwareUpgrade	356: apIllgalToChange3rdRadioBand
357: apIllegal6gVAPCreation	358: ap6gWLANCfgDone	508:dpIPChanged
509:dpChangeControlBlade		
520:dpProcessRestart	530:dpDiscoverySuccess	532:dpStatusManaged
538:dpLicenseInsufficient	616:dpSgreKeepAliveTimeout	618:dpDhcpRelayNoResp
619:dpDhcpRelayFailOver	620:dpSgreNewTunnel	621:dpSgreDelTunnel
622:dpSgreKeepAliveRecovery	623:dpDhcpRelayRespRecovery	626:dpSgreGWFailOver
628: dpSwitchover	629: dpSwitchoverFailed	
725:scgLBSStartLocationService	727:scgLBSSentControllerInfo	
728:scgLBSRcvdMgmtRequest	729:scgLBSSendAPInfobyVenueReport	730:scgLBSSendVenuesReport
731:scgLBSSendClientInfo	732:scgLBSFwdPassiveCalReq	734:scgLBSRcvdUnrecognizedRequest
753: serviceUnavailable	801:clusterCreatedSuccess	818:clusterBackupStart
819:clusterUpgradeStart	823:nodeIPChanged	827:ntpTimeSynched
830:clusterUploadStart	834:removeNodeStarted	837:resyncNTPTime
838:diskUsageExceed	844:clusterInitiatedMovingAp	848:clusterUploadAPFirmwareStart
849:clusterUploadAPFirmwareSuccess	850:clusterUploadAPFirmwareFailed	851:clusterAddAPFirmwareStart
852:clusterAddAPFirmwareSuccess	853:clusterAddAPFirmwareFailed	854:clusterNameChanged
855: unsyncNTPTime	859: NtpServerReachFailed	869: Reindex ElasticSearchfinished
870: clusterInitContactApr	872: allServiceOutOfService	873: allServiceInService
874: clusterRedundancySyncCfgFailed	875: clusterRedundancySyncCfgStart	876: clusterRedundancySyncCfgSuccess
877: clusterRedundantRestoreCfgFailed	878: clusterRedundantRestoreCfgStart	879: clusterRedundantRestoreCfgSuccess
880: clusterRedundantBackMonitoring	881: clusterRedundancyApRehomeIncomplete	882: clusterRedundancyConnectToTargetClusterFailed
886:	887: clusterRedundancyDpRehomeIncomplete	
	890: certificateAboutToExpire	891: certificateExpire
892: certificateGenerateResult	956: clientCountDropThresholdExceeded	957: ioUtilizationThresholdExceeded
958: ioUtilizationBackToNormal	962: apCapacityReached	
963: connectedDeviceMaxCapacityReached	964: connectedDeviceThresholdBackToNormal	970:ftpTransfer
980:fileUpload	981:mailSendSuccess	982:mailSendFailed
983:smsSendSuccess	984:smsSendFailed	1007:cfgUpdSuccess

Event	Event	Event
1012:incorrectFlatFileCfg	1014:hipStarted	1015:hipStopped
1017:standbyHipRestart	1018:hipCacheCleanup	1019: Unconfirmed Program Detection
1024: apCfgNonDhcpNatWlanVlanConfigMismatch	1025: apCfgDhcpNatWlanVlanConfigMismatch	1254:licenseImported
1255:licenseGoingToExpire	1256:apConnectionTerminatedDueToInsufficient License	1257: dpDcToCaleaConnected
1258: dpDcToCaleaConnectFail	1259: dpDcToCaleaDisconnected	1260: dpP2PTunnelConnected
1261: dpP2PTunnelConnectFail	1262: dpP2PTunnelDisconnected	1263: dpStartMirroringClient
	1265: dpDhcpIpPoolUsageRate100	1266: dpDhcpIpPoolUsageRate80
1267: zoneAffinityLastDpDisconnected	1268: dpCaleaUeInterimMatched	1277: dpDhcpIpLicenseNotEnough
1278: dpNatSessionLicenseNotEnough	1281: urlFilteringLicenseInsufficient	1283: dpNatSessionCapacityUsageRate80
1284: dpNatSessionCapacityUsageRate100	1285: dpDhcpIpCapacityUsageRate80	1286: dpDhcpIpCapacityUsageRate100
1287: dpDhcpIpLicenseRemoved	1288: dpNatSessionLicenseRemoved	1289: switchConnectionTerminatedDueToInsufficientLicense
1290: dpBackupSuccess	1291: dpBackupCompressFailed	1292: dpRestoreSuccess
1293: dpRestoreDecompressFailed	1300:rateLimitThresholdSurpassed	1301:rateLimitThresholdRestored
1350: apOperateinBT5-35w		
1401:diaInitilizeErr	1402:diaInitialization	1403:diaPeerTransportFailure
1404:diaCERError	1405:diaCERSuccess	1404:diaCERError
1405:diaCERSuccess	1408:diaPeerAddSuccess	1409:diaPeerRemoveSuccess
1410:diaRealmEntryErr	1411:diaFailOverToAltPeer	1412:diaFailbackToPeer
1414:diaCEAUnknownPeer	1415:diaNoCommonApp	1550:staSucessfulAuthentication
1551:staAuthFailedTransDown	1552:staAuthFailedFailureResp	1553:staAuthFailedDecodeFailure
1554:staSessionTermSCGInitSuccess	1555:staSessionTermAAAInitSucess	1556:staSessionTermAAAInitFail
1557:staReAuthSuccess	1558:staReAuthFailed	1559:staResponseTimerExpired
1560:retransmitExausted		1605:authFailed
1606:pseudonymAuthSuccess	1607:pseudonymAuthFailed	1608:fastReauthSuccess
1609:fastReauthFailed	1612:cgfKeepAliveNotResponded	1613:cdrTxfrSuccessful
1630:sendAuthInfoSuccess	1631:sendAuthInfoFailed	1632:updateGprsLocSuccess
1633:updateGprsLocFailed	1634:insertSubDataSuccess	1635:insertSubDataFailed
1639:restoreDataSuccess	1640:restoreDataFailed	1641:dmRcvdAAA
1642:dmNackSntAAA	1643:dmSntNAS	1644:dmNackRcvdNAS
1645:coaRcvdAAA	1646:coaNackSntAAA	1647:coaSentNas
1648:coaNakRcvdNas	1649:coaAuthorizeOnlyAccessReject	1650:coaRWSGMWSGNotifFailure
1651:authFailedOverToSecondary	1652:authFallbackToPrimary	1653:accFailedOverToSecondary
1654:accFallbackToPrimary	1655:unavailableLocInfoRequested	1656:incapableLocInfoRequested
1657:unSupportedLocDeliveryRequest	1751:racADLDAPSuccess	1752:racADLDAPFail
1753:racADLDAPBindFail	1754:racLDAPFailToFindPassword	1755:racADNPSFail
1756:racADNPSFailToAuthenticate	1761: racADLDAPTLSSuccess	1762: racADLDAPTLSFailed
1763: racTLSEstablishmentFailedBetweenSZandExternalAAAServer	1771: racDNSResolveFailed	
1801:3rdPartyAPConnected	1908:apAcctRetransmittedMsgDropped	

Event	Event	Event
2001:zdAPMigrating	2002:zdAPMigrated	2003:zdAPRejected
2004:zdAPMigrationFailed	2501:nodeIPv6Added	2502:nodeIPv6Deleted
2901: dpIpmiVoltage	2902: dpIpmiThempBB	2904: dpIpmiThempIOH
2905: dpIpmiThempMemP	2913: dpIpmiPsStatus	2926: dpIpmiREVoltage
2929: dpIpmiREThempIOH	2930: dpIpmiREThempMemP	2938: dpIpmiRePsStatus
2961: dpSSDHealthDegrade	3001:cassandraError	3011: recoverCassandraError
4501: cloudServicesEnabled		
4502: cloudServicesDisabled	4503: cloudAnalyticsEnabled	4504: cloudAnalyticsDisabled
4505: cloudAnalyticsDisconnected	4701: connected	4702: disconnected
4703: connectingFailure	4801: cloudAPRegistarSyncEnabled	4802: cloudAPRegistarSyncDisabled
4803: cloudAPRegistarSyncSZInfo	5007:ImaHbUnreachable	5011:bindingExpired
4804: cloudAPRegistarSyncAPInfo		
5012:bindingRevoked	5013:bindingReleased	7001:tooManyUsers
7002:tooManyDevices	8010: passwordExpiration	8011 adminAccountLockout
8012: AdminSessionExpired	8013: DisableInactiveAdmins	8014:twoFactorAuthFailed
99000: keyGenFail	99100: szKeyGenFail	99101: apTmpfsThresholdExceeded
99102: apWritablefsThresholdExceeded	99103: szSysIPsecIKEUp	99104: szSysIPsecIKEDown
99105: szAuthAction		
99200: dpIntegrityTestFailed	99201: dpCliEnableFailed	99202: dpReAuth
99203: dpPasswordMinLengthUpdated	99204: dpPasswordChanged	99205: dpEnablePasswordChanged
99206: dpHttpsAuthFailed	99207: dpCertUploaded	99208: dpScgFqdnUpdated
99210: dpInitUpgrade	99211: dpDiscontinuousTimeChangeNTPServerdpNtpTimeSync	99212: dpUserLogin
99213: dpUserLoginFailed	99214: dpUserLogout	99215: dpAccountLocked
99220: dpSessionIdleUpdated	99221: dpSessionIdleTerminated	99230: dpSshTunnFailed
99231: dpHttpsConnFailed	99240: dpIPsecTunnCreateFailed	99241: dpIPsecTunnInitiate
99242: dpIPsecTunnTerminated	99243: dpIPsecSaFailed	99244: dpIPsecSaUpdated
99250: dpSshdStart	99251: dpSshdStop	99301: disContTimeChange
20000: SwitchCriticalMessage	20001: SwitchAlertMessage	20002: SwitchWarningMessage
21000: SwitchOffline	21001: OverSwitchMaxCapacity	21002: SwitchDuplicated
22010: warningCpuThresholdExceeded	22011: majorCpuThresholdExceeded	22012: criticalCpuThresholdExceeded
22020: warningMemoryThresholdExceeded	22021: majorMemoryThresholdExceeded	22022: criticalMemoryThresholdExceeded
22030: hitWarningSwitchCombinedEvent	22031: hitMajorSwitchCombinedEvent	22032: hitCriticalSwitchCombinedEvent
22041: switchFirmwareUpdate	22042: switchFirmwareUpdateFail	22051: switchConfigurationUpdate
22052: switchConfigurationUpdateFail	22071: switchDeleteByController	22081: switchDisconnectFromController
22082: switchConnectToController	22091: switchDiscoverByController	

ruckusSZAPMiscEventTrap

- Object Name - ruckusSZAPMiscEventTrap on page 56
- Object Identifier -.1.3.6.1.4.1.25053.2.11.1.20

Event	Event	Event
108:apFirmwareApplying	109:apConfApplying	116:apIllgalToChangeCountryCode
117:apGetConfigFailed	118: upgradeSignaturePackage	180:genericRogueAPDetected
187:apSigningInformation	188:AP is connected to standby cluster over the expiration date.	189:jammingDetected
194:Rogue client	286: apCertRecovery	287: apCertBackup
288: apSnoMACaddrChange	304:apIPChanged	306:apChannelChanged
307:apCountryCodeChanged	308:apDfsRadarEvent	309: apPuncturing
310: apRecoveryFactoryReset	311:apChangeControlBlade	315:apTaggedAsCritical
317:apBrownout	319:smartMonitorTurnOffWLAN	320:apCLBlimitReached
321:apCLBlimitRecovered	322:apWLANStateChanged	323:apCapacityReached
324:apCapacityRecovered	328:apHealthLatencyFlag	329:apHealthCapacityFlag
330:apHealthConnectionFailureFlag	331:apHealthClientCountFlag	333:apHealthCapacityFlag
334:apHealthConnectionFailureClear	335:apHealthClientCountClear	336:apDHCPFailoverDetected
337:apDHCPFallbackDetected	338:apSecondaryDHCPAPDown	339:apSecondaryDHCPAPUp
340:apDHCPIPPoolMaxThresholdReached	341:apDHCPServiceFailure	342:apNATFailoverDetected
343:apNATFallbackDetected	344:apNATVlanCapacityAffected	345:apNATVlanCapacityRestored
346:apNATFailureDetectedbySZ	347:apHealthAirUtilizationFlag	348:apHealthAirUtilizationClear
349:apClusterFailover	350:apRehomeFailover	352:apSwitchoverFailed
353:AP Ethernet Phy Error Count	354:AP Ethernet PHY Down Shift	355:apFailed
356: apIllgalToChange3rdRadioBand	357: apIllegal6gVAPCreation	358: ap6gWLANCfgDone
360: apPoEPowerNotEnough	382: apOnRecoveryPartition	383: apOnRecoveryPartitionAfterPanic
406:emapDlinkDisconnectWithMap	407:emapUlinkConnectWithMap	408:emapUlinkDisconnectWithMap
411:mapDisconnected	412:mapDlinkConnected	413:mapDlinkConnectWitheMap
414:mapDlinkDisconnectWitheMap	416:rmapDlinkConnectWithMap	417:mapUlinkConnectToeMap
418:mapUlinkDisconnectToeMap	419:mapUlinkConnectToRap	420:mapUlinkConnectToMap
421:meshStateUpdateToMap	422:meshStateUpdateToMapNoChannel	423:meshStateUpdateToRap
424:meshStateUpdateToRapNoChannel	425:mapDlinkConnectWithMap	426:mapDlinkDisconnectWithMap
427:rapDlinkDisconnectWithMap	705:apLBSStartLocationService	706:apLBSStopLocationService
707:apLBSRcvdPassiveCalReq	708:apLBSRcvdPassiveFFReq	709:apLBSRcvdUnrecognizedRequest
1021:zoneCfgPrepareFailed	1022: apCfgGenFailed	1023:cfgGenSkippedDueToEolAp
1280:apConnectionTerminatedDueToInsufficient License	1294:AP MAC OUI violation	9100: changeToPrimaryBackhaul
9101: changeToSecondaryBackhaul	9102: lteConnectivityFailed	9103: ethernetConnectivityFailed
9104: lteDhcpTimeout	9105: ethernetLinkDown	9106: ethernetLinkUp
9107: simSwitch	9108: remoteHostBlacklisted	9109: simRemoval
9110: lteNetworkRegistrationStatus	9111: lteConnectionStatus	9112: lteGoodRssiStatus
9113: lteWeakRssiStatus	9114: apCLBCapacityLimitReached	9115: apCLBCapacityLimitRecovered
9116:Mesh Connectivity Failed	99000:keyGenFail	99001:keyDisFail
99002:keyDisFailGTK	99003:wpaEnDecFail	99004:ipsecSesFail
99005:authAttempts	99006:authUnsucces	99007:authReauthe
99008:auth8021xClient	99009:fwManualInitiation	99011:apTSFFailure
99012:apSeltTests	99013:fwInitiationUpdate	99014:disContiChan
99015:apLocalSessionTimeout	99016:apRemoteSessionTimeout	99017:apInteractiveSeesionTerm

Event	Event	Event
99018:sshInitiation	99019:sshTermination	99020:sshFailure
99021:tlsInitiation	99022:tlsTermination	99023:tlsFailure
99024:ipsecInitiation	99025:ipsecTermination	99026:ipsecFailure

ruckusSZClientMiscEventTrap

- Object Name - ruckusSZClientMiscEventTrap on page 88
- Object Identifier -.1.3.6.1.4.1.25053.2.11.1.100

Event	Event	Event
201:clientAuthFailure	202:clientJoin	203:clientJoinFailure
204:clientDisconnect	205:clientInactivityTimeout	206:clientAuthorization
207:clientAuthorizationFailure	208:clientSessionExpiration	209:clientRoaming
210:clientSessionLogout	211:3rdPtyClientJoin	212:3rdPtyClientInactivityTimeout
213:3rdPtyClientAuthorization	214:3rdPtyClientAuthorizationFailure	215:3rdPtyClientSessionExpiration
216:3rdPtyClientRoaming	217:3rdPtyClientSessionLogout	218:smartRoamDisconnect
219:clientBlockByDeviceType	220:clientGracePeriod	221:onboardingRegistrationSuccess
222:onboardingRegistrationFailure	223:remediationSuccess	224:remediationFailure
225:forceDHCPDisconnect	226:wdsDeviceJoin	227:wdsDeviceLeave
228: clientBlockByBarringUERule	229: clientUnBlockByBarringUERule	232: packetSpoofingDetectedFromWireless
233: packetSpoofingDetectedFromWirelessSourceMacSpoofed	234: packetSpoofingDetectedFromWired	235: packetSpoofingDetectedFromWiredSourceMacSpoofed
238: clientBTMReqSent	239: clientBTMRespReceived	240:clientDisassocByCLB
8001: application of user is identified	8002: application of user is denied	8003: urlFilteringServerUnreachable
8004: urlFilteringServerReachable		

Frequently Asked Questions

Timeout

Why does a *Timeout No Response* occur during a full SNMP MIB walk?

1. **Scenario 1** : When querying full MIBs

   Following are the solutions to resolve the timeout issue.

   a. Increase the timeout value of the SNMP client tools. Always try to increase the timeout value of the SNMP MIB browser or SNMP CLI commands based on the number of APs and UEs on the controller (SmartZone).

   b. Do a snmpwalk for a specified table. Otherwise, it is likely that SNMP will focus on the standard table *tcpConnTable*, which collects all the TCP connections of the controller. The table size could be large based on the large number of APs or UEs associated to a controller .

2. **Scenario 2** : When querying AP related table for controllers with large number of APs and UEs

   Following are the solutions to resolve the timeout issue.

   a. Increase the interval of the query scripts or tools to make sure there is only one SNMP client tool to query the controller at a time. Adjust the query interval of the query scripts or tools by the loading of the controller. Otherwise, SNMP daemon takes longer to complete all queries. It is recommended that you do not run multiple queries at the same time.

   b. Do not use MIB browser to monitor the APs. Most MIB browsers can only provide snmpwalk which is not an efficient for querying large volume of data and are unable to store large volumes of data.

   c. Increase the timeout value of the SNMP client tools. Always try to increase the timeout value of the SNMP MIB browser or SNMP CLI commands based on the number of APs and UEs on the controller.

   d. Get the table index by using snmpwalk and use snmpget to get multiple entries of same index at a time.

      1. Step 1 - Use a script to query the index of the table using snmpwalk as seen in the below example.

         ```
         Example:
         snmpwalk <options> <IP>  <table index 1 OID>snmpwalk <options> <IP>  <table index 2 OID>
         ```

      2. Step 2 - Use a script to query multiple table entries for same index at a time using snmpget as seen in the below example.

         ```
         Example:
         snmpget <options> <IP>  <table entry 1 OID>.index1 <table entry 2 OID>.index1 ...
         <table entry N OID>.index1
         ```

SNMP Reports

Why is the response time slow when querying for SNMP reports ?

If the controller is busy collecting data for other tables and if the time taken is longer than the timeout setting for SNMP reports, then the SNMP client tool displays the *Timeout No Response* error.

Following are the solutions for the response time being slow.

1. Increase the interval of the query scripts or tools to make sure there is only one SNMP client tool to query the controller at a time. Adjust the query interval of the query scripts or tools by the loading of the controller. Otherwise, SNMP daemon takes longer to complete all queries. It is recommended that you do not run multiple queries at the same time.
2. Do not use MIB browser to monitor the APs. Most MIB browsers can only provide snmpwalk which is not an efficient for querying large volume of data and are unable to store large volumes of data.
3. Increase the timeout value of the SNMP client tools. Always try to increase the timeout value of the SNMP MIB browser or SNMP CLI commands based on the number of APs and UEs on the controller.
4. Get the table index by using snmpwalk and use snmpget to get multiple entries of same index at a time.
   a. Step 1 - Use a script to query the index of the table using snmpwalk as seen in the below example.

      ```
      Example:
      snmpwalk <options> <IP>  <table index 1 OID>snmpwalk <options> <IP>  <table index 2 OID>
      ```

   b. Step 2 - Use a script to query multiple table entries for same index at a time using snmpget as seen in the below example.

      ```
      Example:
      snmpget <options> <IP>  <table entry 1 OID>.index1 <table entry 2 OID>.index1 ...
      <table entry N OID>.index1
      ```

Difference in SNMP Data

Why is there a difference between the SNMP reports and the web interface display?

- **Scenario 1**: Memory, disk space, and CPU usages are different from the web interface display.

  The following are the reasons for this difference to occur.

  Standard MIBs provide Linux level resource status. It is different from *usable resource* of the system.

  The web interface shows the logically resource of the system, which is different from the physical status. Currently, it does not show in the Ruckus private MIBs.

- **Scenario 2**: Statistical data is different from the web interface display.

  The following are the reasons for this difference to occur.

  Most of the SNMP tables use cache mechanism.

  SNMP daemon retains the data between 30 to 300 seconds.

  There is a delayed response time from APs or UEs in reporting their statistical data.

Modifying SNMP HostName

Why cannot the SNMP hostname be modified through SNMPSET ?

Ruckus does not support setting the hostname through SNMP MIB. This is a read-only for all controller platforms. Use the CLI mode to modify the hostname.

Determining the Timeout Value

How to determine the minimum timeout value for a full MIB tree?

The minimum timeout value should be long to complete the *TCP-MIB::tcpConnectionTable* and *RUCKUS-SCG-CONFIG-WLAN-MIB::ruckusSCGConfigWLANTable* which is the bottle neck. An elapsed time results in a timeout response.

To determine this value, use the SNMP daemon, which caches the data in this table. Query this table within the cached timeout to get the value.

For example, in an environment with 10,000 APs and 1,000 WLANs, the values are:

MIB Table	Minimum Timeout
RUCKUS-SCG-CONFIG-WLAN-MIB::ruckusSCGConfigWLANTable	25+ seconds
TCP-MIB::tcpConnectionTable	14+ seconds

NOTE
The exact value should be tested in your own environments.

Determining the Query Interval

How to determine the query interval for a full MIB tree?

The exact value depends on too many factors such as network topology, congestion, and traffic. The precise to determine the query interval is by recording the longest time and adding some buffer time to complete a full MIB walk.

Determining the Query Interval for AP Related Tables

How to determine the query interval for AP related tables ?

Use snmpwalk to get an OID of the AP related table to determine the time to complete the snmpwalk for a single OID.

1. **Scenario 1** : Using simple snmpwalk

   If you are unable to write your own script as suggested in Timeout on page 271 the approximate time for an OID may be between the range of 1 to 4 minutes per seconds. This is based on lab environments tested in Ruckus.

   The efficiency is improved in 3.6.1 as:

   a: For 1,000 APs the minimum time is 54 seconds (< 1 minute) for a full table

   b: For 10,000 APs the minimum time is 203 seconds (< 2 minutes) for a full table.

   For example, in an environment with 10,000 APs and 1000 WLANs, the values are:

MIB Table	SNMPWalk Elapsed Time	Comment
RUCKUS-SCG-WLAN-MIB::ruckusWLANTable	41 seconds	
RUCKUS-SCG-WLAN-MIB::ruckusSCGWLANTable	42 seconds	
RUCKUS-SCG-WLAN-MIB::ruckusWLANAPTable	203 seconds	
RUCKUS-SCG-WLAN-MIB::ruckusSCGAPTable	107 seconds	
RUCKUS-SCG-CONFIG-WLAN-MIB::ruckusSCGConfigWLANTable	50 seconds	Timeout should be set as 25+ seconds.

NOTE

The exact value should be tested in your own environments.

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