MIB REFERENCE GUIDE

Ruckus SmartZone 100 and Virtual SmartZone-Essentials SNMP MIB Reference

Supporting SmartZone 5.1

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Contents

Preface

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 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.

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@arris.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.ruckuswireless.com.

Online Training Resources

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

Contacting Ruckus Customer Services and Support

The Customer Services and Support (CSS) organization is available to provide assistance to customers with active warranties on their Ruckus 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.ruckuswireless.com and select **Support**.

What Support Do I Need?

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

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

About This Guide

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 2 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

TABLE 2 Terms used in this guide (continued)

Term	Description
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 3 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.

Revision History

SmartZone Version 5.1

Added the below MIB definitions for information on **Supported Standard MIB OIDs with IPV6**.

- inetCidrRouteTable on page 239
- IP-MIB on page 241
- ipv6InterfaceTable on page 242
- ipSystemStatsTable on page 243
- ipIfStatsTable on page 250
- ipAddressPrefixTable on page 257
- ipAddressTable on page 258
- ipNetToPhysicalTable on page 260
- ipv6ScopeZoneIndexTable on page 261
- icmpStatsTable on page 264
- icmpMsgStatsTable on page 264
- tcpListenerTable on page 265
- tcpConnectionTable on page 265
- udpEndpointTable on page 266
- IPV6-MIB on page 266
- ipv6IfTable on page 267

SmartZone Version 5.0

No changes to this version.

SmartZone Version 3.6.1

No changes to this version.

SmartZone Version 3.6

1. Added the below MIB definitions. The purpose of these new tables is to let users get more information about the controller and real-time information of System Node, AP Wired Clients and Wired Clients.
   - ruckusCtrlSystemNodeClusterHARoles on page 160
   - ruckusCtrlSystemNodeClusterHAState on page 159
   - AP Wired Client Table on page 230
   - Ruckus Wired Client Table on page 231
2. Added a new section on Frequently Asked Questions on page 271.

Product MIBs

Following are the changes to Product MIBs in this release.

- Sample shell scripts are provided for querying all entries in RuckusCtrlAp related tables such as AP, AP Radio and AP WLAN.

  These tables are not designed to query ALL APs in the tables, so it does not provide the snmpwalk functionality. These sample shell scripts demonstrate on querying all APs information only for ruckusCtrlApTable, ruckusCtrlApRadioTable, and ruckusCtrlApWlanTable.

  NOTE
  It takes an extremely long time for the controller to get all the information, which is managed by thousand or more APs.

- Support for new OID for Geo Redundancy. Users can now check the cluster HA roles and state using SNMP.
- Support for new table **AP wired Client Table** and **Wired Client Table**. Users can now query for statistical data of wired clients from APs.

  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.

SmartZone Version 3.5.1

Following are the changes to Product MIBs.

Object Identifier in 3.5	Change / New
ruckusR700 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 69}	ruckusR700 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 68}
ruckusR710 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 70}	ruckusR710 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 69}
	ruckusR500E OBJECT IDENTIFIER ::= {ruckusWirelessHotzoneProducts 70}
ruckusH500 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 79}	ruckusH500 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 78}
ruckusC500 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 80}	ruckusC500 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 79}
ruckusT504 OBJECT IDENTIFIER ::= {ruckusWirelessHotzoneProducts 78}	ruckusT504 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 80}
	ruckusR310 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 88}
	ruckusT710 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 90}
	ruckusH320 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 93}
	ruckusC110 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 95}
	ruckusT610S OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts99}
	ruckusT610 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 101}
	ruckusR720 OBJECT IDENTIFIER::= {ruckusWirelessHotzoneProducts 102}

SmartZone Version 3.5

Added the following MIB definitions. The purpose of these new tables is to let users get more information about the controller and real-time information of the AP and Clients.

NOTE
To identify the changes from release 3.1.1 to 3.5 you would need to see section changes from SmartZone Version 3.1.1, SmartZone Version 3.2, SmartZone Version 3.2.1, SmartZone Version 3.4 and this section.

1. Ruckus System Command (SysCommands) on page 155
2. Ruckus Controller System Node Table on page 156
3. Ruckus Controller Zone Table on page 160
4. Ruckus Controller AP Group Table on page 177
5. Ruckus Controller Summary AP Table on page 179
6. Ruckus Controller AP Client Table on page 183
7. Ruckus Controller AP Table on page 184
8. Ruckus Controller Radio Table on page 201
9. Ruckus Controller AP WLAN Table on page 214

10. Ruckus Controller Client Table on page 223

SmartZone Version 3.4.1

No changes to this version.

SmartZone Version 3.4

The following are the changes for version 3.4.

NOTE
To identify the changes from release 3.1.1 to 3.4 you would need to see section changes from SmartZone Version 3.1.1 on page 29, SmartZone Version 3.2 on page 27, SmartZone Version 3.2.1 on page 27 and this section.

1. Added Ruckus SCG Client Information on page 175 MIBs (RUCKUS-CTRL-MIB)
2. Added the following events to ruckusSZSystemMiscEventTrap on page 269

Event	Event Type
848	clusterUploadAPFirmwareStart
849	clusterUploadAPFirmwareSuccess
850	clusterUploadAPFirmwareFailed
851	clusterAddAPFirmwareStart
852	clusterAddAPFirmwareSuccess
853	clusterAddAPFirmwareFailed
854	clusterNameChanged

3. Added the following events to ruckusSZAPMiscEventTrap on page 270

Event	Event Type
1021	zoneCfgPrepareFailed
1022	apCfgGenFailed
1023	cfgGenSkippedDueToEolAp

4. The following are the changes to Product MIBs.

   Revision B

Object Identifier in 3.4	Change
ruckusR510 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 91 }	New

Object Identifier in 3.4	Change
ruckusH510 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 92 }	New

Revision A

Object Identifier in 3.1.1	Object Identifier in 3.4	Change
ruckusR700 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 68 }	ruckusR700 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 69 }	Changed from 68 to 69
ruckusR710 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 69 }	ruckusR710 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 70 }	Changed from 69 to 70
	ruckusR310 OBJECT IDENTIFIER:= { ruckusWirelessHotzoneProducts 68}	New
	ruckusT504 OBJECT IDENTIFIER:= {ruckusWirelessHotzoneProducts 78}	New

5. Added the following Root MIBs

Object Identifier	Change
ruckusCTRL OBJECT IDENTIFIER:= {ruckusObjects 8}	New
ruckusCTRLWLANModule OBJECT IDENTIFIER:= {ruckusCTRL 1}	New

SmartZone Version 3.2.1

The following are the changes for version 3.2.1

Added the following events to ruckusSZClientMiscEventTrap on page 270

Event	Event Type
226	wdsDeviceJoin
227	wdsDeviceLeave

SmartZone Version 3.2

The following are the changes tor version 3.2.

1. Added the following SNMP traps.

Object Name	Object Identifier
ruckusSZAPDiscoverySuccessTrap	.1.3.6.1.4.1.25053.2.11.1.46
ruckusSZCMResetByUserTrap	.1.3.6.1.4.1.25053.2.11.1.47
ruckusSZCMResetFactoryByUserTrap	.1.3.6.1.4.1.25053.2.11.1.48
ruckusSZDPDeletedTrap	.1.3.6.1.4.1.25053.2.11.1.94
ruckusSZDPUpgradeStartTrap	.1.3.6.1.4.1.25053.2.11.1.95

Object Name	Object Identifier
ruckusSZDPUpgradingTrap	.1.3.6.1.4.1.25053.2.11.1.96
ruckusSZDPUpgradeSuccessTrap	.1.3.6.1.4.1.25053.2.11.1.97
ruckusSZDPUpgradeFailedTrap	.1.3.6.1.4.1.25053.2.11.1.98
ruckusSZClusterUploadVDPFirmwareStartTrap	.1.3.6.1.4.1.25053.2.11.1.232
ruckusSZClusterUploadVDPFirmwareSuccessTrap	.1.3.6.1.4.1.25053.2.10.1.233
ruckusSZClusterUploadVDPFirmwareFailedTrap	.1.3.6.1.4.1.25053.2.10.1.234
ruckusSZSyslogServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.370
ruckusSZSyslogServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.371
ruckusSZSyslogServerSwitchedTrap	.1.3.6.1.4.1.25053.2.11.1.372
ruckusSZAPRadiusServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.400
ruckusSZAPRadiusServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.401
ruckusSZAPLDAPServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.402
ruckusSZAPLDAPServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.403
ruckusSZAPADServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.404
ruckusSZAPADServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.405
ruckusSZAPUsbSoftwarePackageDownloadedTrap	.1.3.6.1.4.1.25053.2.11.1.406
ruckusSZAPUsbSoftwarePackageDownloadFailedTrap	.1.3.6.1.4.1.25053.2.11.1.407
ruckusSZEspAuthServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.408
ruckusSZEspAuthServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.409
ruckusSZEspAuthServerResolvableTrap	.1.3.6.1.4.1.25053.2.11.1.410
ruckusSZEspAuthServerUnResolvableTrap	.1.3.6.1.4.1.25053.2.11.1.411
ruckusSZEspDNATServerReachableTrap	.1.3.6.1.4.1.25053.2.11.1.412
ruckusSZEspDNATServerUnreachableTrap	.1.3.6.1.4.1.25053.2.11.1.413
ruckusSZEspDNATServerResolvableTrap	.1.3.6.1.4.1.25053.2.11.1.414
ruckusSZEspDNATServerUnresolvableTrap	.1.3.6.1.4.1.25053.2.11.1.415

2. Added the following SNMP objects.

Event Object	Event Object Code
ruckusSZSyslogServerAddress	.1.3.6.1.4.1.25053.2.11.2.154
ruckusSZSrcSyslogServerAddress	.1.3.6.1.4.1.25053.2.11.2.155
ruckusSZDestSyslogServerAddress	.1.3.6.1.4.1.25053.2.11.2.156
ruckusSZLDAPSrvrIp	.1.3.6.1.4.1.25053.2.11.2.327
ruckusSZADSrvrIp	.1.3.6.1.4.1.25053.2.11.2.328
ruckusSZSoftwareName	.1.3.6.1.4.1.25053.2.11.2.329
ruckusSZDomainName	.1.3.6.1.4.1.25053.2.11.2.330
ruckusSZDNATIp	.1.3.6.1.4.1.25053.2.11.2.331

3. Modified the following binding name and description.

Event Object Code	Event Binding Name	Event Object Description
1.3.6.1.4.1.25053.2.11.1.70 1.3.6.1.4.1.25053.2.11.1.71 1.3.6.1.4.1.25053.2.11.1.72	Changed from `ruckusSZDPMac` to `ruckusSZDPKey`	Changed from Data plane MAC address to Data plane identifier.

Event Object Code	Event Binding Name	Event Object Description
1.3.6.1.4.1.25053.2.11.1.73 1.3.6.1.4.1.25053.2.11.1.74 1.3.6.1.4.1.25053.2.11.1.75 1.3.6.1.4.1.25053.2.11.1.76 1.3.6.1.4.1.25053.2.11.1.77 1.3.6.1.4.1.25053.2.11.1.78 1.3.6.1.4.1.25053.2.11.1.79 1.3.6.1.4.1.25053.2.11.1.81 1.3.6.1.4.1.25053.2.11.1.82 1.3.6.1.4.1.25053.2.11.1.85 1.3.6.1.4.1.25053.2.11.1.86 1.3.6.1.4.1.25053.2.11.1.87		
1.3.6.1.4.1.25053.2.11.1.219 1.3.6.1.4.1.25053.2.11.1.220 1.3.6.1.4.1.25053.2.11.1.221 1.3.6.1.4.1.25053.2.11.1.222 1.3.6.1.4.1.25053.2.11.1.223	N/A	Changed from node MAC name to node MAC address.

4. Added the section Ruckus SZ Configuration WLAN Statistics on page 171.
5. Modified the following product MIBs

Object Identifier in 3.1.1	Object Identifier in 3.2	Change
ruckusR700 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 68 }	ruckusR700 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 69 }	Changed from 68 to 69
ruckusR710 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 69 }	ruckusR710 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 70 }	Changed from 69 to 70
ruckusH500 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 78 }	ruckusH500 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 79 }	Changed from 78 to 79
ruckusC500 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 79 }	ruckusC500 OBJECT IDENTIFIER ::= { ruckusWirelessHotzoneProducts 80 }	Changed from 79 to 80

SmartZone Version 3.1.1

The following are the changes for version 3.1.1.

1. Added the following SNMP traps.

Object Name	Object Identifier
ruckusSCGIPSecTunnelAssociatedTrap	.1.3.6.1.4.1.25053.2.10.1.600
ruckusSCGIPSecTunnelDisassociatedTrap	.1.3.6.1.4.1.25053.2.10.1.601
ruckusSCGIPSecTunnelAssociateFailedTrap	.1.3.6.1.4.1.25053.2.10.1.602

2. Added the following SNMP objects. Z

Event Object	Event Object Code
ruckusSCGIPSecGWAddress	.1.3.6.1.4.1.25053.2.10.2.153

3. Added the following Ruckus SZ AP event objects.

Event Object	Event Object Code
ruckusSCGAPIpsecSessionTime	.1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.50
ruckusSCGAPIpsecTXPkts	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.55
ruckusSCGAPIpsecRXPkts	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.56
ruckusSCGAPIpsecTXBytes	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.57
ruckusSCGAPIpsecRXBytes	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.58
ruckusSCGAPIpsecTXPktsDropped	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.59
ruckusSCGAPIpsecRXPktsDropped	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.60
ruckusSCGAPIpsecTXIdleTime	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.65
ruckusSCGAPIpsecRXIdleTime	1.3.6.1.4.1.25053.1.3.2.1.1.2.2.1.66

4. The following events are deprecated.

Event Code	Event Name
1604	authSuccess
1605	authFailed

RuckOS Version 3.1

The following are the changes for version 3.1.

1. Added the binding ruckusSZEventAPIPv6
2. Added the following SNMP traps.

Object Name	Object Identifier
ruckusSZCPUUsageThresholdBackToNormalTrap	.1.3.6.1.4.1.25053.2.11.1.42
ruckusSZMemoryUsageThresholdBackToNormalTrap	.1.3.6.1.4.1.25053.2.11.1.43
ruckusSZDiskUsageThresholdBackToNormalTrap	.1.3.6.1.4.1.25053.2.11.1.44
ruckusSZCableModemUpTrap	.1.3.6.1.4.1.25053.2.11.1.45
ruckusSZDPAcceptTunnelRequestTrap	.1.3.6.1.4.1.25053.2.11.1.81
ruckusSZDPRejectTunnelRequestTrap	.1.3.6.1.4.1.25053.2.11.1.82
ruckusSZDPTunnelSetUpTrap	.1.3.6.1.4.1.25053.2.11.1.85
ruckusSZDPDiscoverySuccessTrap	.1.3.6.1.4.1.25053.2.11.1.86
ruckusSZDPDiscoveryFailTrap	.1.3.6.1.4.1.25053.2.11.1.87
ruckusSZClusterCfgBackupStartTrap	.1.3.6.1.4.1.25053.2.11.1.224
ruckusSZClusterCfgBackupSuccessTrap	.1.3.6.1.4.1.25053.2.11.1.225
ruckusSCGClusterCfgBackupFailedTrap	.1.3.6.1.4.1.25053.2.11.1.226
ruckusSZClusterCfgBackupFailedTrap	.1.3.6.1.4.1.25053.2.11.1.227
ruckusSZClusterCfgRestoreFailedTrap	.1.3.6.1.4.1.25053.2.11.1.228

Object Name	Object Identifier
ruckusSZClusterUploadSuccessTrap	.1.3.6.1.4.1.25053.2.11.1.229
ruckusSZClusterUploadFailedTrap	.1.3.6.1.4.1.25053.2.11.1.230
ruckusSZClusterOutOfServiceTrap	.1.3.6.1.4.1.25053.2.11.1.231
ruckusSZIpmiTempBBTrap	.1.3.6.1.4.1.25053.2.11.1.251
ruckusSZIpmiRETempBBTrap	.1.3.6.1.4.1.25053.2.11.1.265
ruckusSZIpmiRETempPTrap	.1.3.6.1.4.1.25053.2.11.1.270
ruckusSZIpmiREFanTrap	.1.3.6.1.4.1.25053.2.11.1.272
ruckusSZIpmiREFanStatusTrap	.1.3.6.1.4.1.25053.2.11.1.275
ruckusSZConnectedToDbladeTrap	.1.3.6.1.4.1.25053.2.11.1.350
ruckusSCGDestAvailableTrap	.1.3.6.1.4.1.25053.2.11.1.351
ruckusSZSessUpdatedAtDbladeTrap	.1.3.6.1.4.1.25053.2.11.1.354
ruckusSZSessUpdateErrAtDbladeTrap	.1.3.6.1.4.1.25053.2.11.1.355
ruckusSZSessDeletedAtDbladeTrap	.1.3.6.1.4.1.25053.2.11.1.356
ruckusSZSessDeleteErrAtDbladeTrap	.1.3.6.1.4.1.25053.2.11.1.357
ruckusSZLicenseSyncSuccessTrap	.1.3.6.1.4.1.25053.2.11.1.358
ruckusSZLicenseSyncFailedTrap	.1.3.6.1.4.1.25053.2.11.1.359
rruckusSZLicenseImportSuccessTrap	.1.3.6.1.4.1.25053.2.11.1.360
ruckusSZLicenseImportFailedTrap	.1.3.6.1.4.1.25053.2.11.1.361

3. Added the following SNMP objects.

Event Object	Event Object Code
ruckusSZEventAPIPv6	.1.3.6.1.4.1.25053.2.11.2.35
ruckusSZLicenseServerName	.1.3.6.1.4.1.25053.2.11.2.152

SNMP Configuration and Standard MIB

Overview

This document describes the SNMP management information bases (MIBs) that the controller supports. It also describes the overall design of the controller SNMP agent. The Smart Zone SNMP agent allows its northbound portal application to monitor the system via SNMP GET operation. It also notifies the critical events by sending traps. The Smart Zone supports V2c community and V3 user versions of SNMP. It also supports configuring the system via SNMP SET from this release. See Updating SNMP V2 and V3 Configuration Flow and SNMP Logs on page 34.

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 *Administrator Guide for SmartZone 3.1.1.*

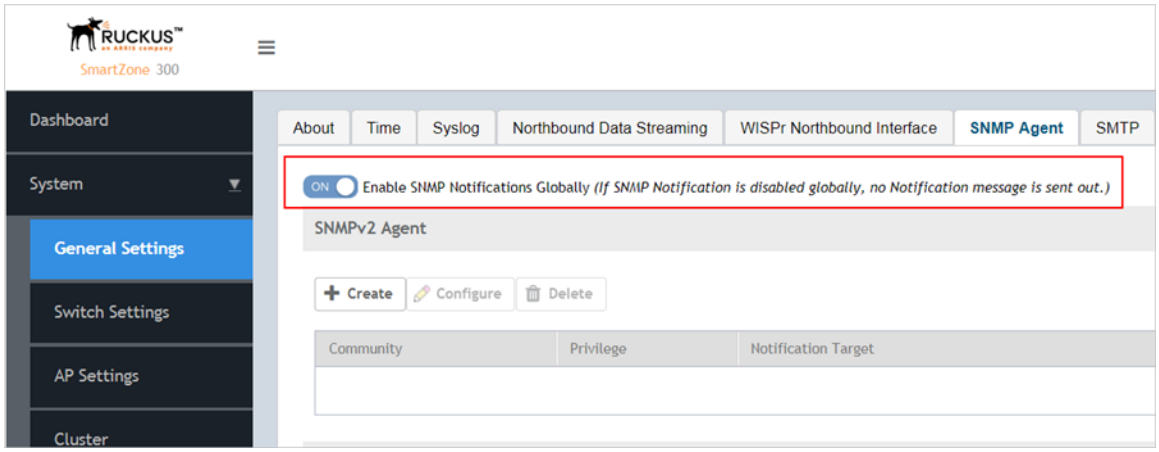
NOTE
Refer to About This Guide on page 21 for conventions used in this guide.

NOTE
For details on alarms and events refer to *Alarms and Events Guide for SmartZone 3.1.1*.

Enabling and Disabling SNMP Traps

In the controller web interface navigate to **System**> **General Settings** > **SNMP Agent** to either enable or disable the SNMP notifications as shown in the following figure.

FIGURE 1 SNMP notifications



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 SNMP V2 and V3 Configuration Flow and SNMP Logs

Using the controller web interface add or update V2 and V3 communities / users and set the operation (set/get/trap) configurations. Navigate to **System** > **General Settings** > **SNMP Agent** to create SNMP V2 and V3 agents as shown in the below figures.

> **NOTE**
> For information on how to enable the SNMP V2 and V3 settings on the controller web interface, refer to the *Administrator Guide*.

The controller supports a maximum of eight SNMP user profiles and eight trap destinations for SNMPv2 and SNMv3. In the previous releases this was unlimited.

FIGURE 2 Create or enable SNMP V2

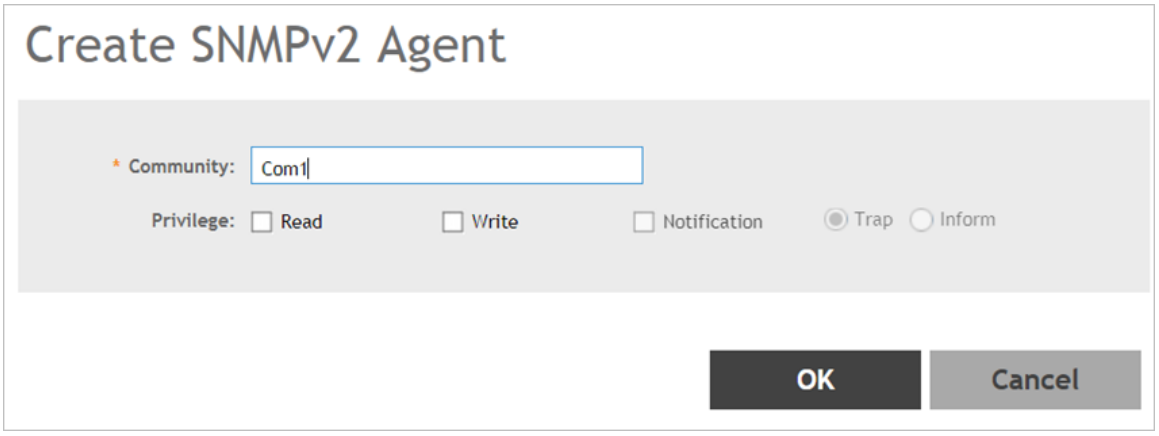
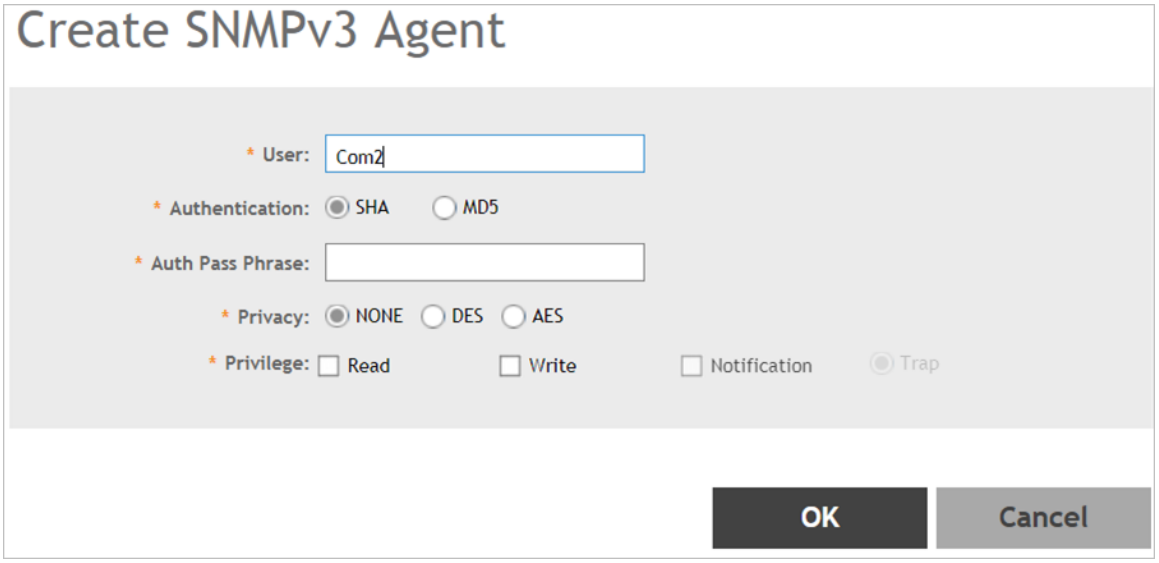


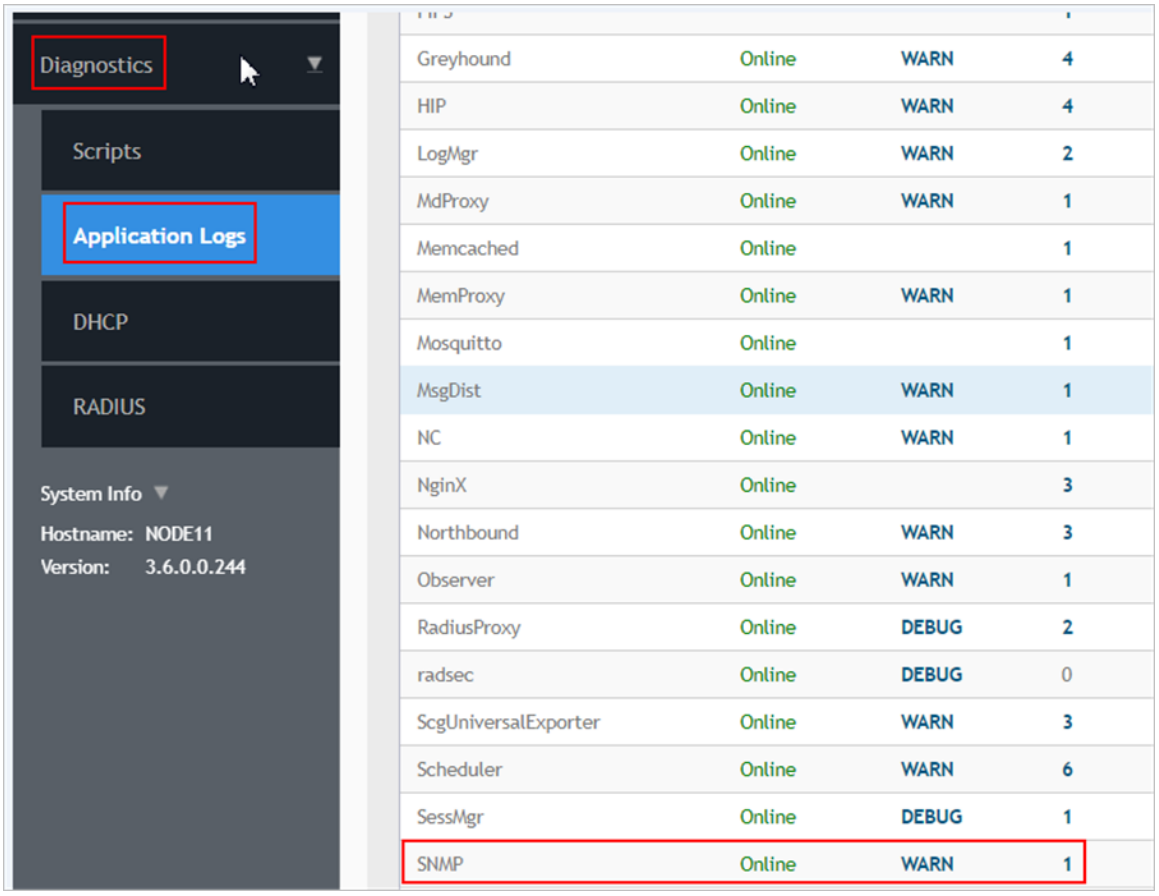
FIGURE 3 Create or enable SNMP V3



SNMP Logs

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

FIGURE 4 SNMP logs



Standard MIB

Standard MIBs that the controller supports include:

- Host Resource MIB on page 36
- UCD MIB on page 37
- SNMPv2 MIB (RFC3418) on page 37
- RFC1213 MIB (RFC1213) on page 37

Host Resource MIB

Host resource MIB is a standard MIB for managing controller systems. 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 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) define 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) define 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 55
- Ruckus System MIB on page 153
- Ruckus WLAN MIB on page 163
- SmartZone Event Traps on page 269

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 ruckusSZSystemMiscEventTrap trap may originally contain the following four variable bindings:

ruckusSZEventSeverity
ruckusSZEventCode

ruckusSZEventType
ruckusSZEventDescription

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

ruckusSZEventSeverity
ruckusSZEventCode
ruckusSZEventType
ruckusSZEventAPName
ruckusSZEventAPMacAddr
ruckusSZEventAPIP
ruckusSZEventAPLocation
ruckusSZEventAPDescription
ruckusSZEventAPGPSCoordinates
ruckusSZEventDescription
ruckusSZEventAPIPv6

If the variable bindings are extracted based on the position, the original logic fails when the binding - RuckusSZEventAPGPSCoordinates 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 to Ruckus Event Object on page 139.

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.

FIGURE 5 SNMP Traps Using CLI

```
NMS32(diagnostic)# trigger-trap
  all             trigger all traps

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

NMS32(diagnostic)# trigger-trap 1601
Successful operation

NMS32(diagnostic)# trigger-trap all
Successful operation

NMS32(diagnostic)# trigger-trap 1601,1602
Successful operation

NMS32(diagnostic)#
```

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

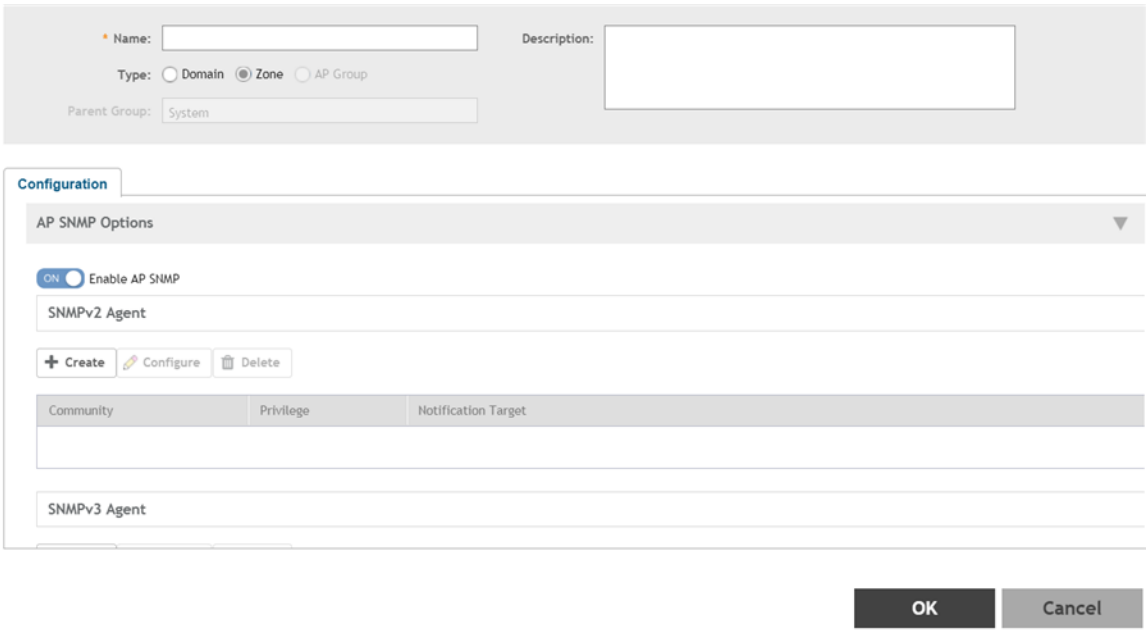
Option 1 - User Interface

In the controller interface navigate to **Access Points** > **Zone.** Click on the **+** sign to add the zone. In the create Zone page select **AP SNMP Options** for all the APs in the controller as seen in the below screen.

Privilege option - **target** refers to adding SNMP target notification and **inform** refers to sending SNMP information notifications to the selected community.

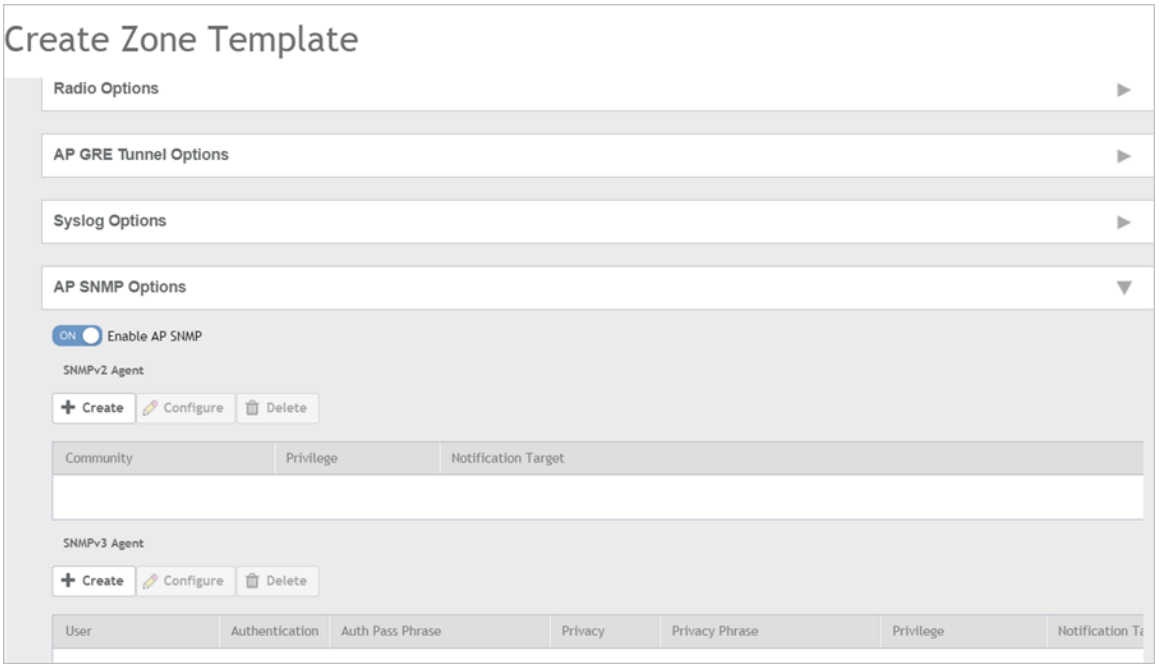
NOTE
For AP SNMP Inform privilege option for SNMP v3 Agent is not supported.

FIGURE 6 Enabling SNMP options for Zone APs



To enable SNMP options in Zone templates navigate to **System** >**Templates** > **Zone Templates.** Select **AP SNMP Options** for all the APs in the controller as seen in the below figure.

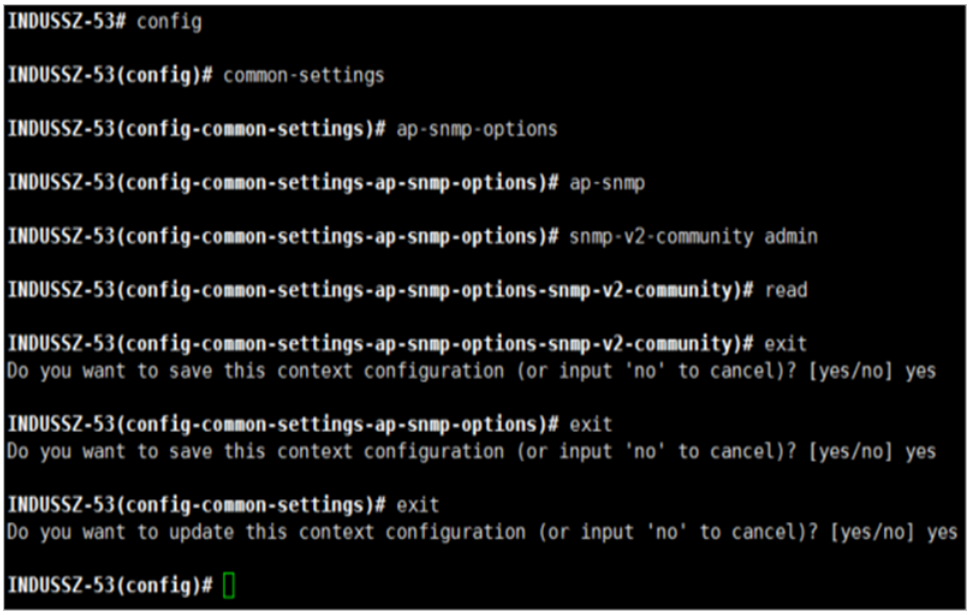
FIGURE 7 Enabling SNMP options for Zone Templates



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 Figure 8. This setting will be applied to all APs connected to the controller.

FIGURE 8 Enabling SNMP options using CLI



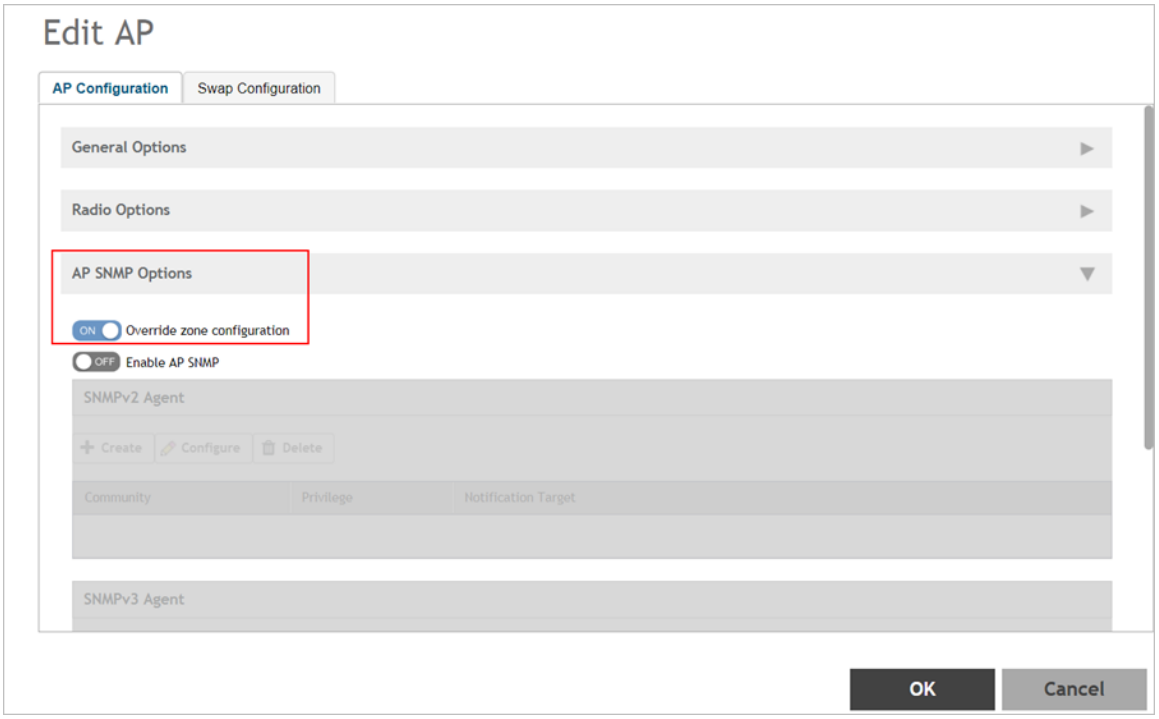
Enable Override Settings

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

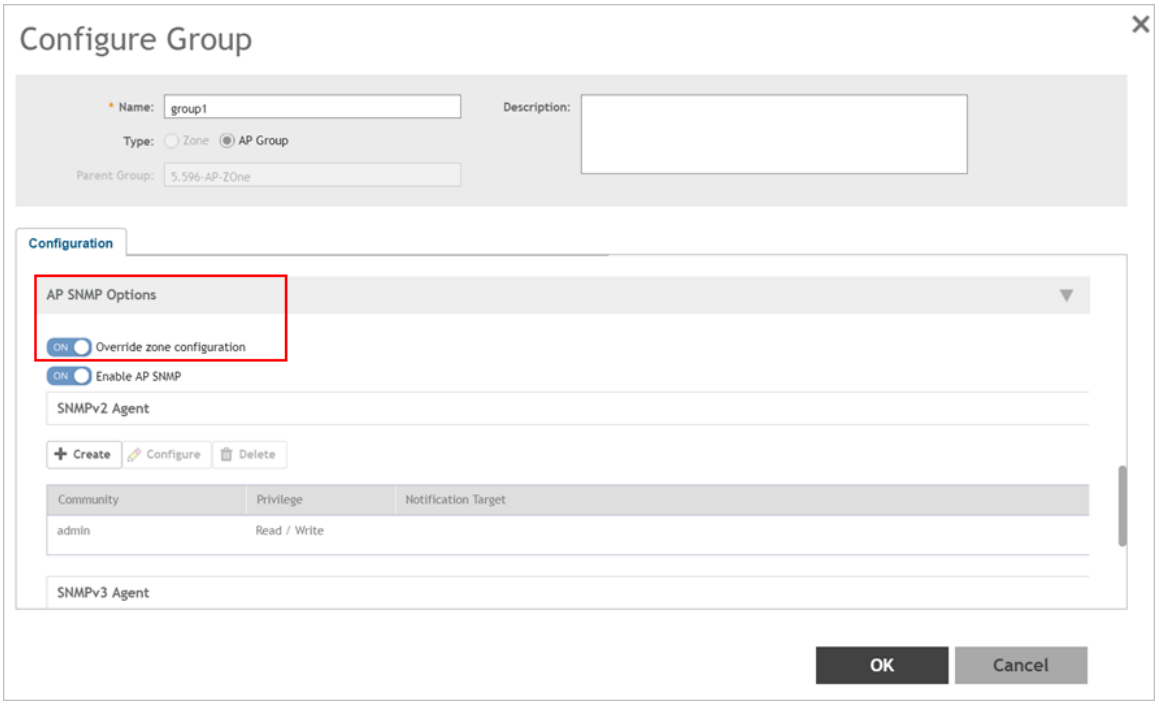
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to enable the *Override* option for a particular AP as seen in the following figure.

FIGURE 9 Setting the Override option for a particular AP



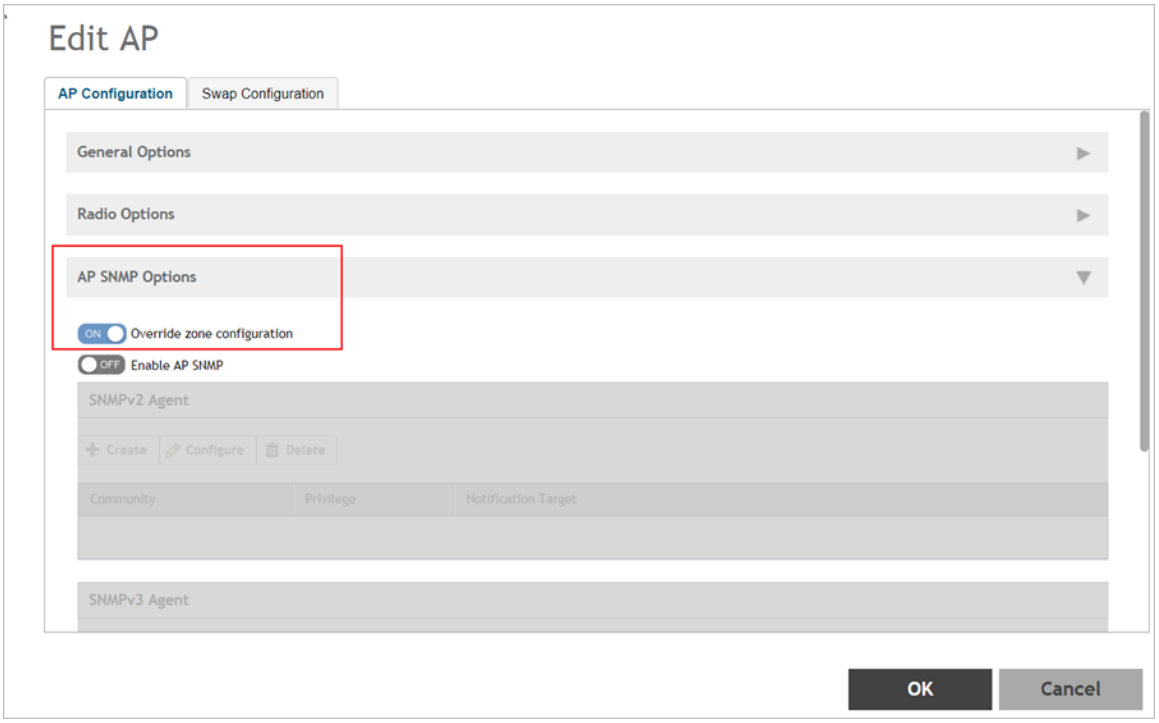
Using the controller interface navigate to **Access Points**. Select the AP Group and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to enable the *Override* option for a particular AP Group in an AP as seen in the below figure.

FIGURE 10 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.

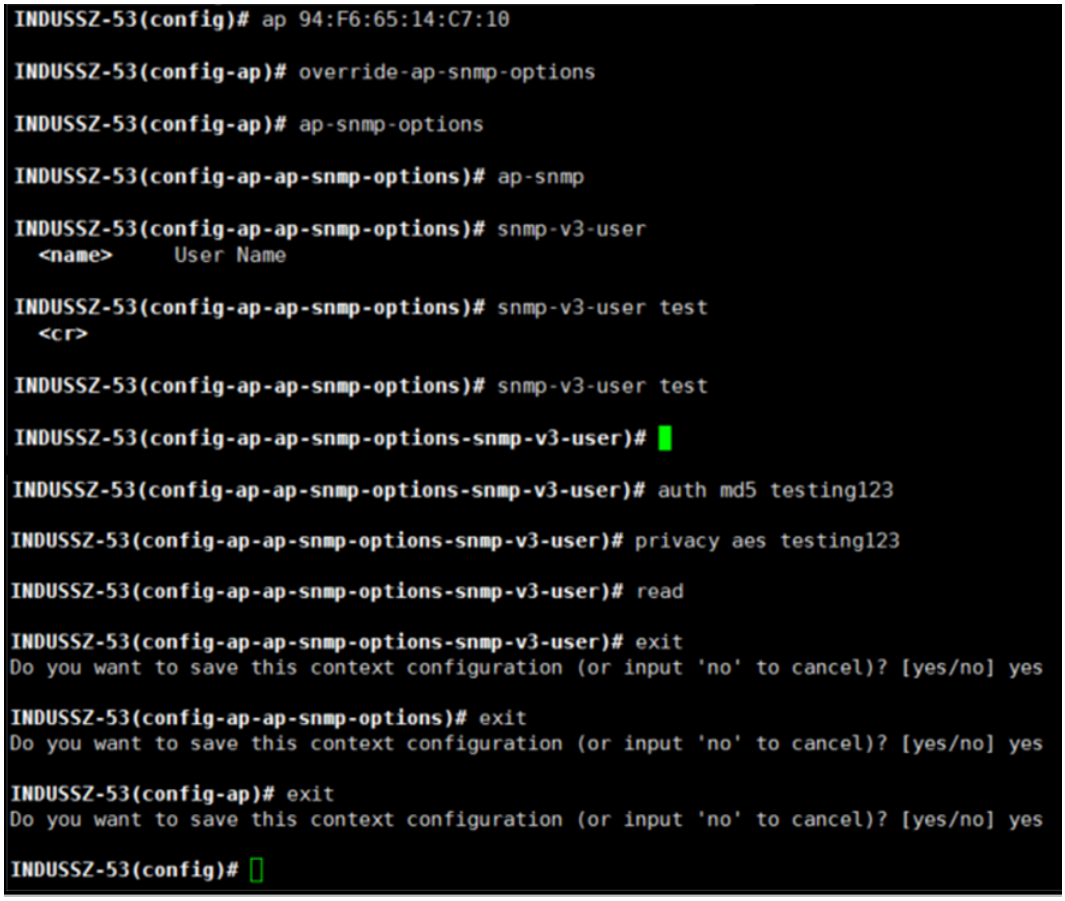
FIGURE 11 Setting the Override option for Zone in an AP



Option 2 - CLI Console

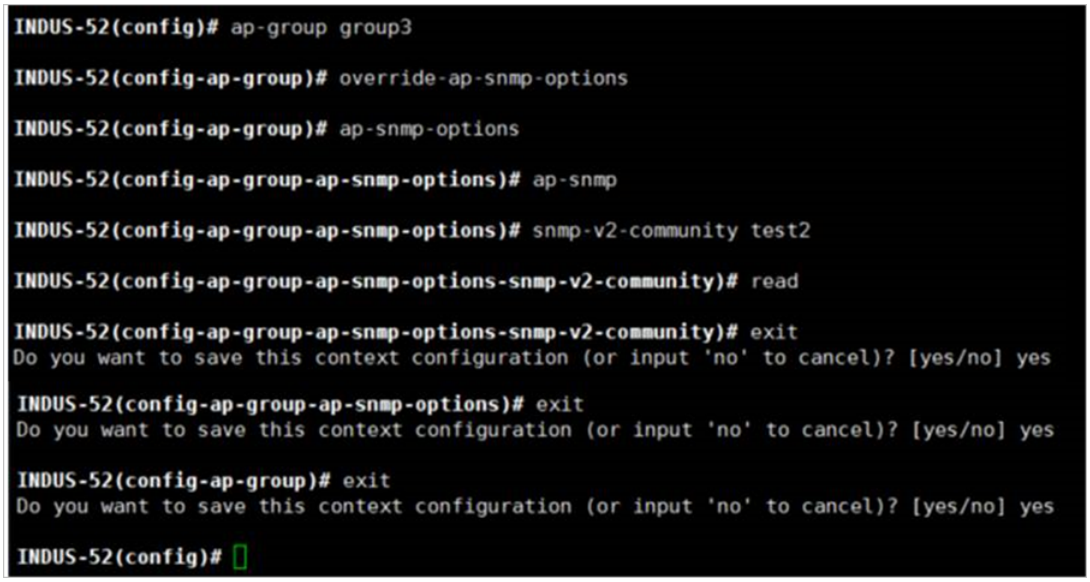
Login to CLI console with your administrator user credentials. Execute the common settings commands as seen in Figure 12. This setting will be applied to a particular AP.

FIGURE 12 Setting the Override option using CLI for a AP



Login to CLI console with your administrator user credentials. Execute the common settings commands as seen in Figure 13. This setting will be applied to a AP Group.

FIGURE 13 Setting the Override option using CLI for a AP Group

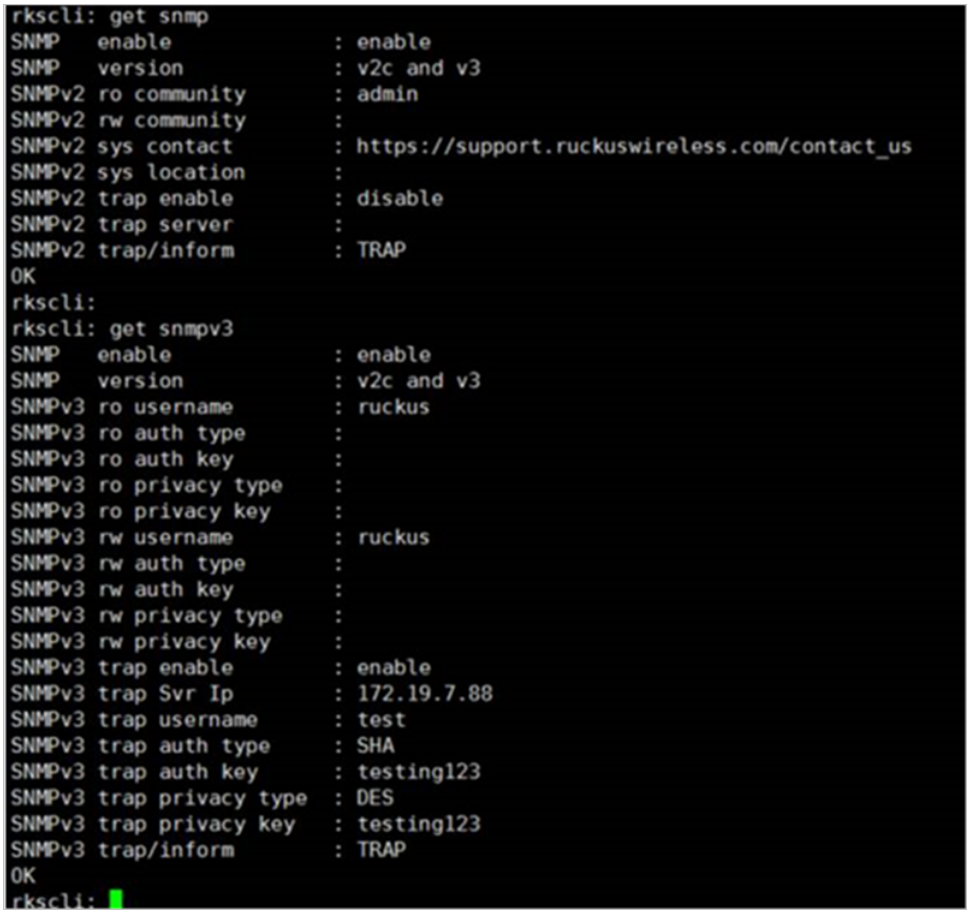


Apart from that, you can not only enable or disable SNMP, but also configure SNMPv2/v3 communities.

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.

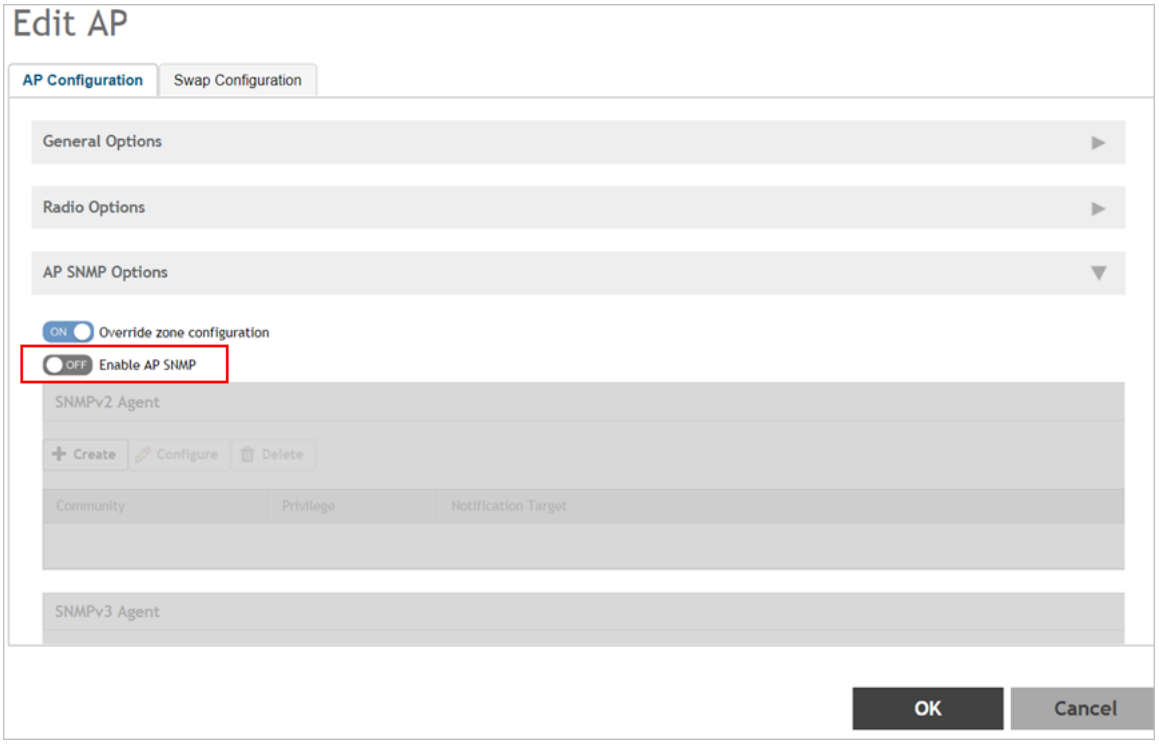
FIGURE 14 AP GET SNMP



Disable SNMP Agents

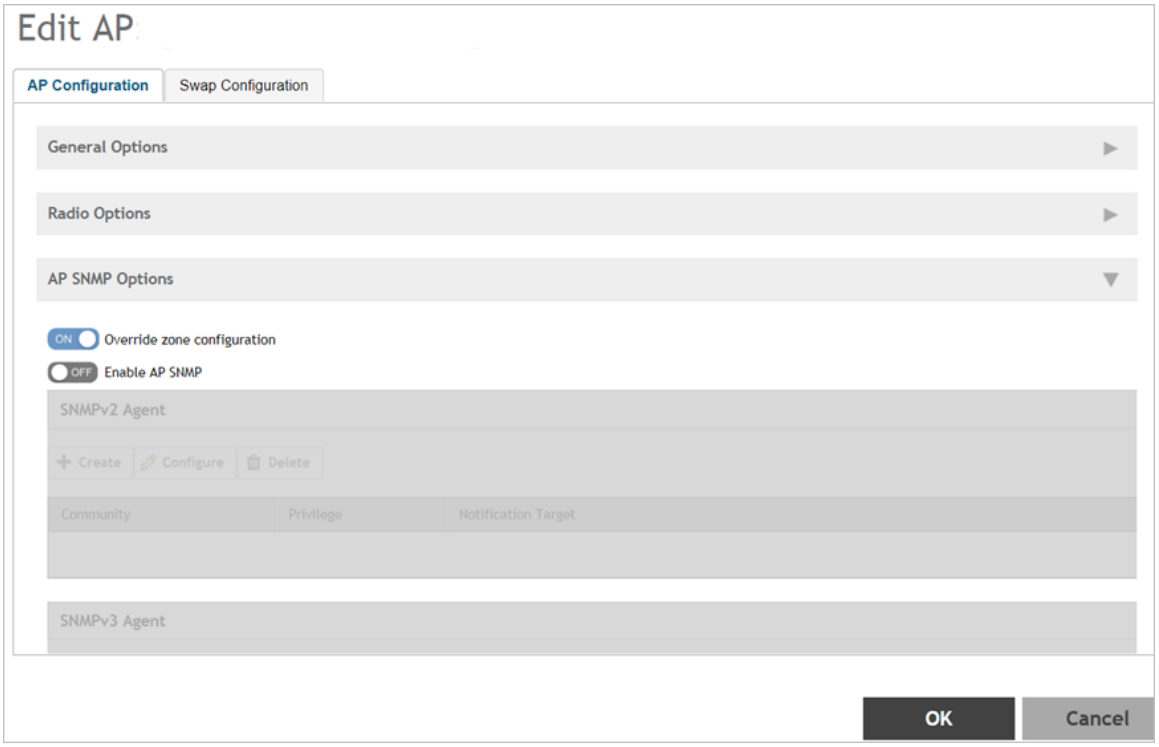
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned off.

FIGURE 15 Disable AP SNMP for all APs



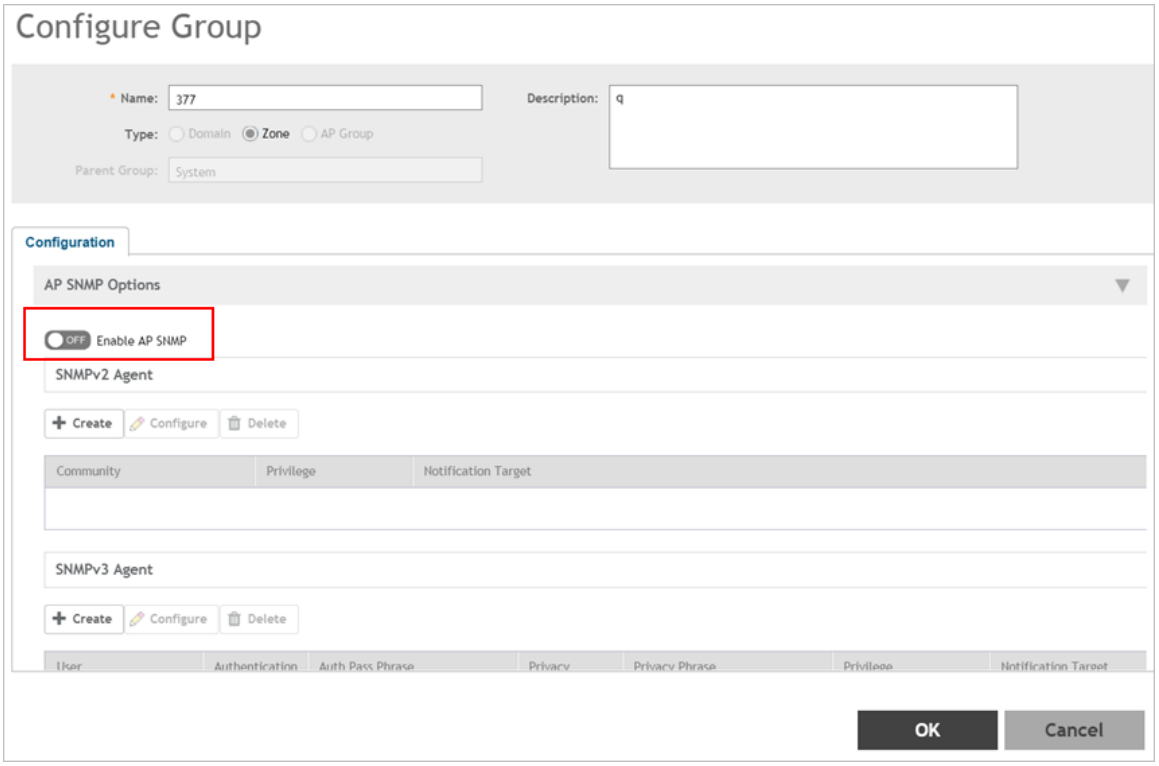
Using the controller interface navigate to **Access Points**. Select the AP and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option in a Zone for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button is turned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

FIGURE 16 Disable AP SNMP for APs in a AP Zone



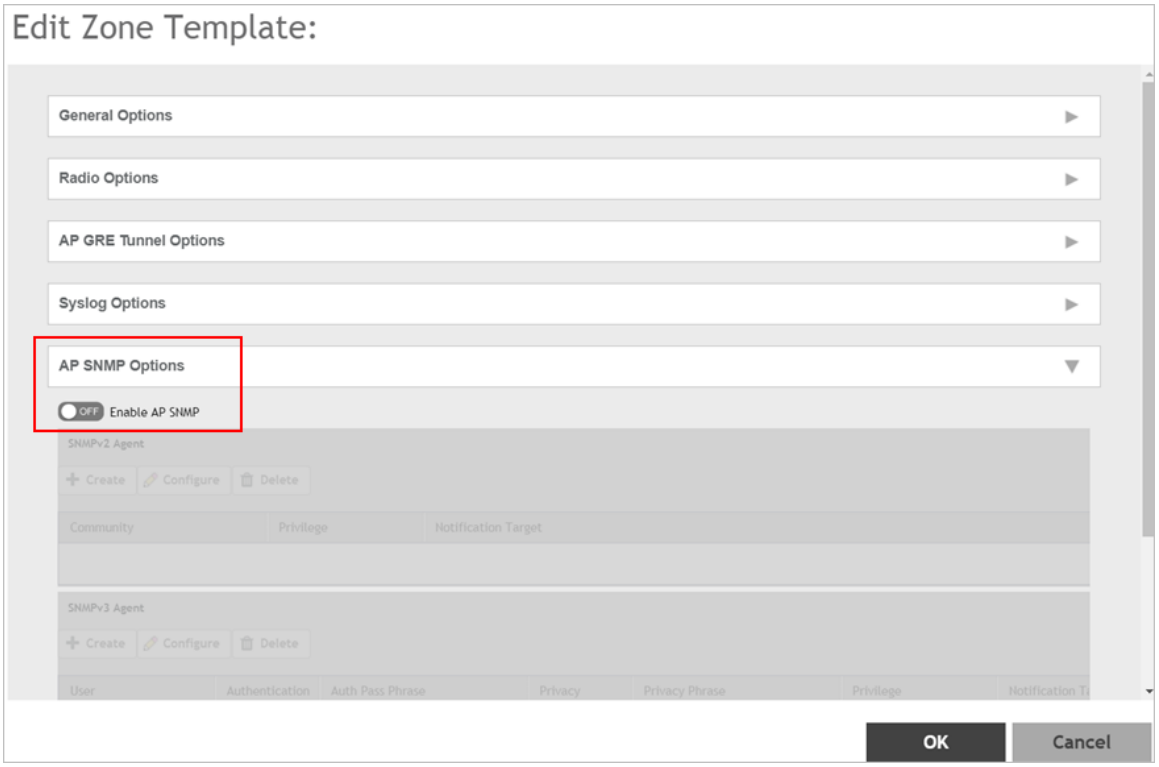
Using the controller interface navigate to **Access Points**. Select the AP Group and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option in a AP Group for all APs as seen in the below figure. Make sure that the *Enable AP SNMP* button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

FIGURE 17 Disable AP SNMP for AP Group in a AP Zone



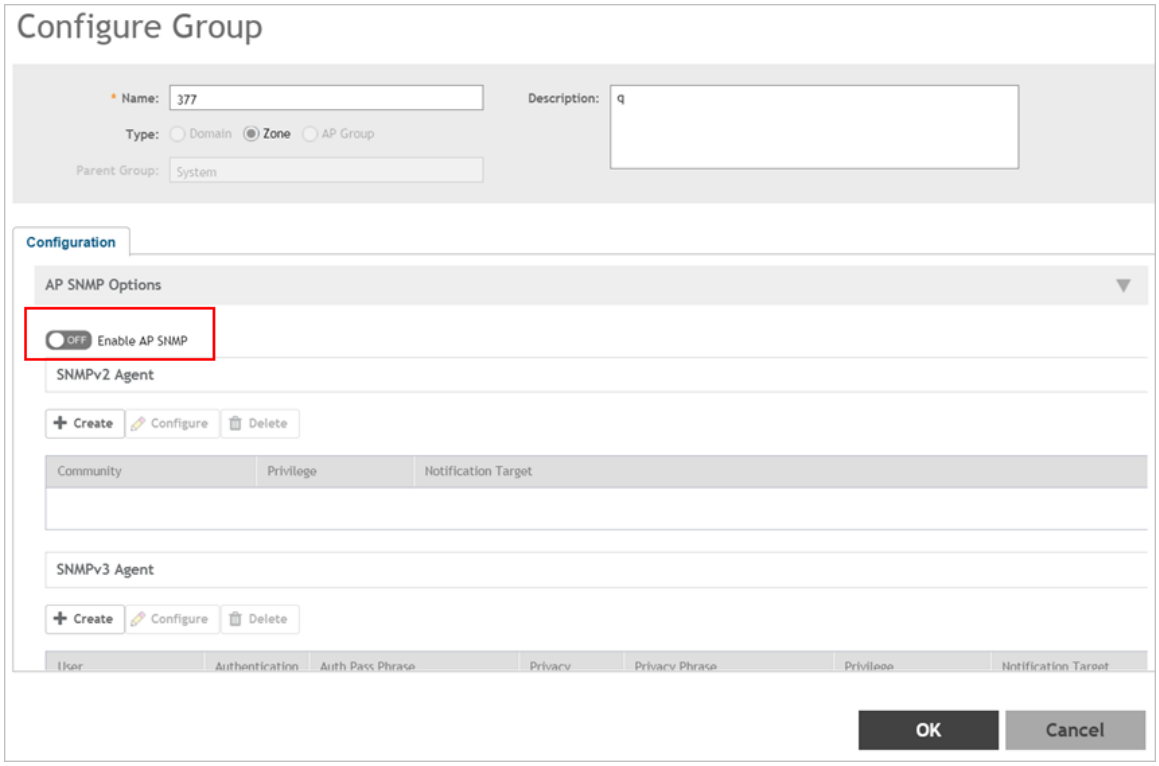
To disable AP SNMP for AP Zone in Zone Template navigate to the controller user interface **System** > **Templates** > **Zone Template**. Select the required zone template and click on the **Configuration** tab. In the configuration page select **AP SNMP Options** to disable the *AP SNMP* option. Make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

FIGURE 18 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 19 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
ruckusSZSystemMiscEventTrap on page 59	.1.3.6.1.4.1.25053.2.11.1.1
ruckusSZUpgradeSuccessTrap on page 59	.1.3.6.1.4.1.25053.2.11.1.2
ruckusSZUpgradeFailedTrap on page 60	.1.3.6.1.4.1.25053.2.11.1.3
ruckusSZNodeRestartedTrap on page 60	.1.3.6.1.4.1.25053.2.11.1.4
ruckusSZNodeShutdownTrap on page 61	.1.3.6.1.4.1.25053.2.11.1.5
ruckusSZCPUUsageThresholdExceededTrap on page 61	.1.3.6.1.4.1.25053.2.11.1.6
ruckusSZMemoryUsageThresholdExceededTrap on page 62	.1.3.6.1.4.1.25053.2.11.1.7
ruckusSZDiskUsageThresholdExceededTrap on page 62	.1.3.6.1.4.1.25053.2.11.1.8
ruckusSZLicenseUsageThresholdExceededTrap on page 63	.1.3.6.1.4.1.25053.2.11.1.19
ruckusSZAPMiscEventTrap on page 63	.1.3.6.1.4.1.25053.2.11.1.20
ruckusSZAPConnectedTrap on page 64	.1.3.6.1.4.1.25053.2.11.1.21
ruckusSZAPDeletedTrap on page 64	.1.3.6.1.4.1.25053.2.11.1.22
ruckusSZAPDisconnectedTrap on page 65	.1.3.6.1.4.1.25053.2.11.1.23
ruckusSZAPLostHeartbeatTrap on page 65	.1.3.6.1.4.1.25053.2.11.1.24
ruckusSZAPRebootTrap on page 66	.1.3.6.1.4.1.25053.2.11.1.25
ruckusSZCriticalAPConnectedTrap on page 67	.1.3.6.1.4.1.25053.2.11.1.26
ruckusSZCriticalAPDisconnectedTrap on page 67	.1.3.6.1.4.1.25053.2.11.1.27
ruckusSZAPRejectedTrap on page 68	.1.3.6.1.4.1.25053.2.11.1.28
ruckusSZAPConfUpdateFailedTrap on page 68	.1.3.6.1.4.1.25053.2.11.1.29
ruckusSZAPConfUpdatedTrap on page 69	.1.3.6.1.4.1.25053.2.11.1.30
ruckusSZAPSwapOutModelDiffTrap on page 70	.1.3.6.1.4.1.25053.2.11.1.31
ruckusSZAPPreProvisionModelDiffTrap on page 70	.1.3.6.1.4.1.25053.2.11.1.32
ruckusSZAPFirmwareUpdateFailedTrap on page 71	.1.3.6.1.4.1.25053.2.11.1.34
ruckusSZAPFirmwareUpdatedTrap on page 71	.1.3.6.1.4.1.25053.2.11.1.35

Trap Name	Object Identifier
ruckusSZAPWlanOversubscribedTrap on page 72	.1.3.6.1.4.1.25053.2.11.1.36
ruckusSZAPFactoryResetTrap on page 72	.1.3.6.1.4.1.25053.2.11.1.37
ruckusSZCableModemDownTrap on page 73	.1.3.6.1.4.1.25053.2.11.1.38
ruckusSZCableModemRebootTrap on page 73	.1.3.6.1.4.1.25053.2.11.1.39
ruckusSZAPManagedTrap on page 74	.1.3.6.1.4.1.25053.2.11.1.41
ruckusSZCPUUsageThresholdBackToNormalTrap on page 75	.1.3.6.1.4.1.25053.2.11.1.42
ruckusSZMemoryUsageThresholdBackToNormalTrap on page 75	.1.3.6.1.4.1.25053.2.11.1.43
ruckusSZDiskUsageThresholdBackToNormalTrap on page 75	.1.3.6.1.4.1.25053.2.11.1.44
ruckusSZCableModemUpTrap on page 76	.1.3.6.1.4.1.25053.2.11.1.45
ruckusSZAPDiscoverySuccessTrap on page 76	.1.3.6.1.4.1.25053.2.11.1.46
ruckusSZCMResetByUserTrap on page 77	.1.3.6.1.4.1.25053.2.11.1.47
ruckusSZCMResetFactoryByUserTrap on page 77	.1.3.6.1.4.1.25053.2.11.1.48
ruckusSZSSIDSpoofingRogueAPDetectedTrap on page 78	.1.3.6.1.4.1.25053.2.11.1.50
ruckusSZMacSpoofingRogueAPDetectedTrap on page 79	.1.3.6.1.4.1.25053.2.11.1.51
ruckusSZSameNetworkRogueAPDetectedTrap on page 79	.1.3.6.1.4.1.25053.2.11.1.52
ruckusSZADHocNetworkRogueAPDetectedTrap on page 80	.1.3.6.1.4.1.25053.2.11.1.53
ruckusSZMaliciousRogueAPTimeoutTrap on page 80	.1.3.6.1.4.1.25053.2.11.1.54
ruckusSZAPLBSConnectSuccessTrap on page 81	.1.3.6.1.4.1.25053.2.11.1.55
ruckusSZAPLBSNoResponsesTrap on page 81	.1.3.6.1.4.1.25053.2.11.1.56
ruckusSZAPLBSAuthFailedTrap on page 82	.1.3.6.1.4.1.25053.2.11.1.57
ruckusSZAPLBSConnectFailedTrap on page 83	.1.3.6.1.4.1.25053.2.11.1.58
ruckusSZAPTunnelBuildFailedTrap on page 83	.1.3.6.1.4.1.25053.2.11.1.60
ruckusSZAPTunnelBuildSuccessTrap on page 84	.1.3.6.1.4.1.25053.2.11.1.61
ruckusSZAPTunnelDisconnectedTrap on page 85	.1.3.6.1.4.1.25053.2.11.1.62
ruckusSZAPSoftGRETunnelFailoverPtoSTrap on page 85	.1.3.6.1.4.1.25053.2.11.1.65
ruckusSZAPSoftGRETunnelFailoverStoPTrap on page 86	.1.3.6.1.4.1.25053.2.11.1.66
ruckusSZAPSoftGREGatewayNotReachableTrap on page 87	.1.3.6.1.4.1.25053.2.11.1.67
ruckusSZAPSoftGREGatewayReachableTrap on page 87	.1.3.6.1.4.1.25053.2.11.1.68
ruckusSZDPConfUpdateFailedTrap on page 88	.1.3.6.1.4.1.25053.2.11.1.70
ruckusSZDPLostHeartbeatTrap on page 88	.1.3.6.1.4.1.25053.2.11.1.71
ruckusSZDPDisconnectedTrap on page 89	.1.3.6.1.4.1.25053.2.11.1.72
ruckusSZDPPhyInterfaceDownTrap on page 89	.1.3.6.1.4.1.25053.2.11.1.73
ruckusSZDPStatusUpdateFailedTrap on page 89	.1.3.6.1.4.1.25053.2.11.1.74
ruckusSZDPStatisticUpdateFaliedTrap on page 90	.1.3.6.1.4.1.25053.2.11.1.75
ruckusSZDPConnectedTrap on page 90	.1.3.6.1.4.1.25053.2.11.1.76
ruckusSZDPPhyInterfaceUpTrap on page 91	.1.3.6.1.4.1.25053.2.11.1.77
ruckusSZDPConfUpdatedTrap on page 91	.1.3.6.1.4.1.25053.2.11.1.78
ruckusSZDPTunnelTearDownTrap on page 91	.1.3.6.1.4.1.25053.2.11.1.79
ruckusSZDPAcceptTunnelRequestTrap on page 92	.1.3.6.1.4.1.25053.2.11.1.81
ruckusSZDPRejectTunnelRequestTrap on page 92	.1.3.6.1.4.1.25053.2.11.1.82
ruckusSZDPTunnelSetUpTrap on page 93	.1.3.6.1.4.1.25053.2.11.1.85
ruckusSZDPDiscoverySuccessTrap on page 93	.1.3.6.1.4.1.25053.2.11.1.86

Trap Name	Object Identifier
ruckusSZDPDiscoveryFailTrap on page 93	.1.3.6.1.4.1.25053.2.11.1.87
ruckusSZDPDeletedTrap on page 94	.1.3.6.1.4.1.25053.2.11.1.94
ruckusSZDPUpgradeStartTrap on page 94	.1.3.6.1.4.1.25053.2.11.1.95
ruckusSZDPUpgradingTrap on page 95	.1.3.6.1.4.1.25053.2.11.1.96
ruckusSZDPUpgradeSuccessTrap on page 95	.1.3.6.1.4.1.25053.2.11.1.97
ruckusSZDPUpgradeFailedTrap on page 95	.1.3.6.1.4.1.25053.2.11.1.98
ruckusSZClientMiscEventTrap on page 96	.1.3.6.1.4.1.25053.2.11.1.100
ruckusSZNodeJoinFailedTrap on page 96	.1.3.6.1.4.1.25053.2.11.1.200
ruckusSZNodeRemoveFailedTrap on page 97	.1.3.6.1.4.1.25053.2.11.1.201
ruckusSZNodeOutOfServiceTrap on page 97	.1.3.6.1.4.1.25053.2.11.1.202
ruckusSZClusterInMaintenanceStateTrap on page 97	.1.3.6.1.4.1.25053.2.11.1.203
ruckusSZClusterBackupFailedTrap on page 98	.1.3.6.1.4.1.25053.2.11.1.204
ruckusSZClusterRestoreFailedTrap on page 98	.1.3.6.1.4.1.25053.2.11.1.205
ruckusSZNodeBondInterfaceDownTrap on page 99	.1.3.6.1.4.1.25053.2.11.1.207
ruckusSZNodePhyInterfaceDownTrap on page 100	.1.3.6.1.4.1.25053.2.11.1.208
ruckusSZClusterLeaderChangedTrap on page 100	.1.3.6.1.4.1.25053.2.11.1.209
ruckusSZClusterUpgradeSuccessTrap on page 101	.1.3.6.1.4.1.25053.2.11.1.210
ruckusSZNodeBondInterfaceUpTrap on page 101	.1.3.6.1.4.1.25053.2.11.1.211
ruckusSZNodePhyInterfaceUpTrap on page 101	.1.3.6.1.4.1.25053.2.11.1.212
ruckusSZClusterBackToInServiceTrap on page 102	.1.3.6.1.4.1.25053.2.11.1.216
ruckusSZBackupClusterSuccessTrap on page 102	.1.3.6.1.4.1.25053.2.11.1.217
ruckusSZNodeJoinSuccessTrap on page 102	.1.3.6.1.4.1.25053.2.11.1.218
ruckusSZClusterAppStartTrap on page 103	.1.3.6.1.4.1.25053.2.11.1.219
ruckusSZNodeRemoveSuccessTrap on page 103	.1.3.6.1.4.1.25053.2.11.1.220
ruckusSZClusterRestoreSuccessTrap on page 104	.1.3.6.1.4.1.25053.2.11.1.221
ruckusSZNodeBackToInServiceTrap on page 104	.1.3.6.1.4.1.25053.2.11.1.222
ruckusSZSshTunnelSwitchedTrap on page 105	.1.3.6.1.4.1.25053.2.11.1.223
ruckusSZClusterCfgBackupStartTrap on page 105	.1.3.6.1.4.1.25053.2.11.1.224
ruckusSZClusterCfgBackupSuccessTrap on page 105	.1.3.6.1.4.1.25053.2.11.1.225
ruckusSZClusterCfgBackupFailedTrap on page 106	.1.3.6.1.4.1.25053.2.11.1.226
ruckusSZClusterCfgRestoreSuccessTrap on page 106	.1.3.6.1.4.1.25053.2.11.1.227
ruckusSZClusterCfgRestoreFailedTrap on page 106	.1.3.6.1.4.1.25053.2.11.1.228
ruckusSZClusterUploadSuccessTrap on page 107	.1.3.6.1.4.1.25053.2.11.1.229
ruckusSZClusterUploadFailedTrap on page 107	.1.3.6.1.4.1.25053.2.11.1.230
ruckusSZClusterOutOfServiceTrap on page 108	.1.3.6.1.4.1.25053.2.11.1.231
ruckusSZClusterUploadVDPFirmwareStartTrap on page 108	.1.3.6.1.4.1.25053.2.11.1.232
ruckusSZClusterUploadVDPFirmwareSuccessTrap on page 108	.1.3.6.1.4.1.25053.2.11.1.233
ruckusSZClusterUploadVDPFirmwareFailedTrap on page 109	.1.3.6.1.4.1.25053.2.11.1.234
ruckusSZIpmiTempBBTrap on page 109	.1.3.6.1.4.1.25053.2.11.1.251
ruckusSZIpmiTempPTrap on page 110	.1.3.6.1.4.1.25053.2.11.1.256
ruckusSZIpmiFanTrap on page 110	.1.3.6.1.4.1.25053.2.11.1.258
ruckusSZIpmiFanStatusTrap on page 111	.1.3.6.1.4.1.25053.2.11.1.261

Trap Name	Object Identifier
ruckusSZIpmiRETempBBTrap on page 111	.1.3.6.1.4.1.25053.2.11.1.265
ruckusSZIpmiRETempPTrap on page 111	.1.3.6.1.4.1.25053.2.11.1.270
ruckusSZIpmiREFanTrap on page 112	.1.3.6.1.4.1.25053.2.11.1.272
ruckusSZIpmiREFanStatusTrap on page 112	.1.3.6.1.4.1.25053.2.11.1.275
ruckusSZFtpTransferErrorTrap on page 113	.1.3.6.1.4.1.25053.2.11.1.280
ruckusSZSystemLBSConnectSuccessTrap on page 113	.1.3.6.1.4.1.25053.2.11.1.290
ruckusSZSystemLBSNoResponseTrap on page 114	.1.3.6.1.4.1.25053.2.11.1.291
ruckusSZSystemLBSAuthFailedTrap on page 114	.1.3.6.1.4.1.25053.2.11.1.292
ruckusSZSystemLBSConnectFailedTrap on page 114	.1.3.6.1.4.1.25053.2.11.1.293
ruckusSZProcessRestartTrap on page 115	.1.3.6.1.4.1.25053.2.11.1.300
ruckusSZServiceUnavailableTrap on page 115	.1.3.6.1.4.1.25053.2.11.1.301
ruckusSZKeepAliveFailureTrap on page 116	.1.3.6.1.4.1.25053.2.11.1.302
ruckusSZResourceUnavailableTrap on page 116	.1.3.6.1.4.1.25053.2.11.1.304
ruckusSZSmfRegFailedTrap on page 117	.1.3.6.1.4.1.25053.2.11.1.305
ruckusSZHipFailoverTrap on page 117	.1.3.6.1.4.1.25053.2.11.1.306
ruckusSZConfUpdFailedTrap on page 118	.1.3.6.1.4.1.25053.2.11.1.307
ruckusSZConfRcvFailedTrap on page 118	.1.3.6.1.4.1.25053.2.11.1.308
ruckusSZLostCnxnToDbladeTrap on page 118	.1.3.6.1.4.1.25053.2.11.1.309
ruckusSZAuthSrvrNotReachableTrap on page 119	.1.3.6.1.4.1.25053.2.11.1.314
ruckusSZAccSrvrNotReachableTrap on page 119	.1.3.6.1.4.1.25053.2.11.1.315
ruckusSZAuthFailedNonPermanentIDTrap on page 120	.1.3.6.1.4.1.25053.2.11.1.317
ruckusSZAPAcctRespWhileInvalidConfigTrap on page 120	.1.3.6.1.4.1.25053.2.11.1.347
ruckusSZAPAcctMsgDropNoAcctStartMsgTrap on page 121	.1.3.6.1.4.1.25053.2.11.1.348
ruckusSZUnauthorizedCoaDmMessageDroppedTrap on page 121	.1.3.6.1.4.1.25053.2.11.1.349
ruckusSZConnectedToDbladeTrap on page 122	.1.3.6.1.4.1.25053.2.11.1.350
ruckusSZSessUpdatedAtDbladeTrap on page 122	.1.3.6.1.4.1.25053.2.11.1.354
ruckusSZSessUpdateErrAtDbladeTrap on page 123	.1.3.6.1.4.1.25053.2.11.1.355
ruckusSZSessDeletedAtDbladeTrap on page 123	.1.3.6.1.4.1.25053.2.11.1.356
ruckusSZSessDeleteErrAtDbladeTrap on page 124	.1.3.6.1.4.1.25053.2.11.1.357
ruckusSZLicenseSyncSuccessTrap on page 124	.1.3.6.1.4.1.25053.2.11.1.358
ruckusSZLicenseSyncFailedTrap on page 125	.1.3.6.1.4.1.25053.2.11.1.359
ruckusSZLicenseImportSuccessTrap on page 125	.1.3.6.1.4.1.25053.2.11.1.360
ruckusSZLicenseImportFailedTrap on page 125	.1.3.6.1.4.1.25053.2.11.1.361
ruckusSZSyslogServerReachableTrap on page 126	.1.3.6.1.4.1.25053.2.11.1.370
ruckusSZSyslogServerUnreachableTrap on page 126	.1.3.6.1.4.1.25053.2.11.1.371
ruckusSZSyslogServerSwitchedTrap on page 127	.1.3.6.1.4.1.25053.2.11.1.372
ruckusSZAPRadiusServerReachableTrap on page 127	.1.3.6.1.4.1.25053.2.11.1.400
ruckusSZAPRadiusServerUnreachableTrap on page 128	.1.3.6.1.4.1.25053.2.11.1.401
ruckusSZAPLDAPServerReachableTrap on page 128	.1.3.6.1.4.1.25053.2.11.1.402
ruckusSZAPLDAPServerUnreachableTrap on page 129	.1.3.6.1.4.1.25053.2.11.1.403
ruckusSZAPADServerReachableTrap on page 129	.1.3.6.1.4.1.25053.2.11.1.404
ruckusSZAPADServerUnreachableTrap on page 130	.1.3.6.1.4.1.25053.2.11.1.405

Trap Name	Object Identifier
ruckusSZAPUsbSoftwarePackageDownloadedTrap on page 131	.1.3.6.1.4.1.25053.2.11.1.406
ruckusSZAPUsbSoftwarePackageDownloadFailedTrap on page 131	.1.3.6.1.4.1.25053.2.11.1.407
ruckusSZEspAuthServerReachableTrap on page 132	.1.3.6.1.4.1.25053.2.11.1.408
ruckusSZEspAuthServerUnreachableTrap on page 132	.1.3.6.1.4.1.25053.2.11.1.409
ruckusSZEspAuthServerResolvableTrap on page 133	.1.3.6.1.4.1.25053.2.11.1.410
ruckusSZEspAuthServerUnResolvableTrap on page 134	.1.3.6.1.4.1.25053.2.11.1.411
ruckusSZEspDNATServerReachableTrap on page 134	.1.3.6.1.4.1.25053.2.11.1.412
ruckusSZEspDNATServerUnreachableTrap on page 135	.1.3.6.1.4.1.25053.2.11.1.413
ruckusSZEspDNATServerResolvableTrap on page 135	.1.3.6.1.4.1.25053.2.11.1.414
ruckusSZEspDNATServerUnresolvableTrap on page 136	.1.3.6.1.4.1.25053.2.11.1.415
ruckusRateLimitTORSurpassedTrap on page 137	.1.3.6.1.4.1.25053.2.11.1.500
ruckusSZIPSecTunnelAssociatedTrap on page 137	.1.3.6.1.4.1.25053.2.11.1.600
ruckusSZIPSecTunnelDisassociatedTrap on page 137	.1.3.6.1.4.1.25053.2.11.1.601
ruckusSZIPSecTunnelAssociateFailedTrap on page 138	.1.3.6.1.4.1.25053.2.11.1.602

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 4 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 269 - ruckusSZSystemMiscEventTrap on page 269

ruckusSZUpgradeSuccessTrap

TABLE 5 ruckusSZUpgradeSuccessTrap

Object Name	ruckusSZUpgradeSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.2
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType

TABLE 5 ruckusSZUpgradeSuccessTrap (continued)

Object Name	ruckusSZUpgradeSuccessTrap
	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 6 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
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 59 (.1.3.6.1.4.1.25053.2.11.1.210).

ruckusSZNodeRestartedTrap

TABLE 7 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

TABLE 7 ruckusSZNodeRestartedTrap (continued)

Object Name	ruckusSZNodeRestartedTrap
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 8 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 60 (. 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 9 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.

TABLE 9 ruckusSZCPUUsageThresholdExceededTrap (continued)

Object Name	ruckusSZCPUUsageThresholdExceededTrap
Generated by Event Code	950:cpuThresholdExceeded
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZCPUUsageThresholdBackToNormalTrap on page 75 (. 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 10 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 75 (. 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 11 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

TABLE 11 ruckusSZDiskUsageThresholdExceededTrap (continued)

Object Name	ruckusSZDiskUsageThresholdExceededTrap
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 75 (. 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 12 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 13 ruckusSZAPMiscEventTrap

Object Name	ruckusSZAPMiscEventTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.20
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventDescription

TABLE 13 ruckusSZAPMiscEventTrap (continued)

Object Name	ruckusSZAPMiscEventTrap
	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 269 - ruckusSZAPMiscEventTrap on page 270

ruckusSZAPConnectedTrap

TABLE 14 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 15 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

TABLE 15 ruckusSZAPDeletedTrap (continued)

Object Name	ruckusSZAPDeletedTrap
	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 16 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
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZAPConnectedTrap on page 64 (.1.3.6.1.4.1.25053.2.11.1.21) and ruckusSZCriticalAPConnectedTrap on page 67 (.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 17 ruckusSZAPLostHeartbeatTrap

Object Name	ruckusSZAPLostHeartbeatTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.24

TABLE 17 ruckusSZAPLostHeartbeatTrap (continued)

Object Name	ruckusSZAPLostHeartbeatTrap
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 64 (.1.3.6.1.4.1.25053.2.11.1.21) and ruckusSZCriticalAPConnectedTrap on page 67 (.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 18 ruckusSZAPRebootTrap

Object Name	ruckusSZAPRebootTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.25
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	301:apRebootByUser ; 302:apRebootBySystem

ruckusSZCriticalAPConnectedTrap

TABLE 19 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 20 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

TABLE 20 ruckusSZCriticalAPDisconnectedTrap (continued)

Object Name	ruckusSZCriticalAPDisconnectedTrap
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZCriticalAPConnectedTrap on page 67 (.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 21 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
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 74 (.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 22 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

TABLE 22 ruckusSZAPConfUpdateFailedTrap (continued)

Object Name	ruckusSZAPConfUpdateFailedTrap
	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 69 (. 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 23 ruckusSZAPConfUpdatedTrap

Object Name	ruckusSZAPConfUpdatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.30
Trap Severity	Informational
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 24 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 25 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

TABLE 25 ruckusSZAPPreProvisionModelDiffTrap (continued)

Object Name	ruckusSZAPPreProvisionModelDiffTrap
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 26 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
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 71 (.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 27 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

TABLE 27 ruckusSZAPFirmwareUpdatedTrap (continued)

Object Name	ruckusSZAPFirmwareUpdatedTrap
	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 28 ruckusSZAPWlanOversubscribedTrap

Object Name	ruckusSZAPWlanOversubscribedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.36
Trap Severity	Major
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 29 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

TABLE 29 ruckusSZAPFactoryResetTrap (continued)

Object Name	ruckusSZAPFactoryResetTrap
	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 30 ruckusSZCableModemDownTrap

Object Name	ruckusSZCableModemDownTrap
Object Identifier	.1.3.6.1.4.1.25053.2.10.1.38
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 76 (.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 31 ruckusSZCableModemRebootTrap

Object Name	ruckusSZCableModemRebootTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.39

TABLE 31 ruckusSZCableModemRebootTrap (continued)

Object Name	ruckusSZCableModemRebootTrap
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 32 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 33 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 34 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 35 ruckusSZDiskUsageThresholdBackToNormalTrap

Object Name	ruckusSZDiskUsageThresholdBackToNormalTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.44
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType

TABLE 35 ruckusSZDiskUsageThresholdBackToNormalTrap (continued)

Object Name	ruckusSZDiskUsageThresholdBackToNormalTrap
	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 36 ruckusSZCableModemUpTrap

Object Name	ruckusSZCableModemUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.45
Trap Severity	Informational
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 37 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

TABLE 37 ruckusSZAPDiscoverySuccessTrap (continued)

Object Name	ruckusSZAPDiscoverySuccessTrap
	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 38 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 39 ruckusSZCMResetFactoryByUserTrap

Object Name	ruckusSZCMResetFactoryByUserTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.48

TABLE 39 ruckusSZCMResetFactoryByUserTrap (continued)

Object Name	ruckusSZCMResetFactoryByUserTrap
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 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

ruckusSZSSIDSpoofingRogueAPDetectedTrap

TABLE 40 ruckusSZSSIDSpoofingRogueAPDetectedTrap

Object Name	ruckusSZSSIDSpoofingRogueAPDetectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.50
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventRogueMac ruckusSZEventSSID ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when the AP detects a rouge AP. 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	181:ssid-spoofingRogueAPDetected

ruckusSZMacSpoofingRogueAPDetectedTrap

TABLE 41 ruckusSZMacSpoofingRogueAPDetectedTrap

Object Name	ruckusSZMacSpoofingRogueAPDetectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.51
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventRogueMac ruckusSZEventSSID ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when the AP detects a rogue AP event. 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	182:mac-spoofingRogueAPDetected

ruckusSZSameNetworkRogueAPDetectedTrap

TABLE 42 ruckusSZSameNetworkRogueAPDetectedTrap

Object Name	ruckusSZSameNetworkRogueAPDetectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.52
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventRogueMac ruckusSZEventSSID ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6

TABLE 42 ruckusSZSameNetworkRogueAPDetectedTrap (continued)

Object Name	ruckusSZSameNetworkRogueAPDetectedTrap
Description	Triggered when the AP detects a rogue AP having the same BSSID. 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	183:same-networkRogueAPDetected

ruckusSZADHocNetworkRogueAPDetectedTrap

TABLE 43 ruckusSZADHocNetworkRogueAPDetectedTrap

Object Name	ruckusSZADHocNetworkRogueAPDetectedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.53
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventRogueMac ruckusSZEventSSID ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZEventAPIPv6
Description	Triggered when the AP detects a rogue AP having the same ad-hoc network. 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	184:ad-hoc-networkRogueAPDetected

ruckusSZMaliciousRogueAPTimeoutTrap

TABLE 44 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

TABLE 44 ruckusSZMaliciousRogueAPTimeoutTrap (continued)

Object Name	ruckusSZMaliciousRogueAPTimeoutTrap
	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 45 ruckusSZAPLBSConnectSuccessTrap

Object Name	ruckusSZAPLBSConnectSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.55
Trap Severity	Informational
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 46 ruckusSZAPLBSNoResponsesTrap

Object Name	ruckusSZAPLBSNoResponsesTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.56

TABLE 46 ruckusSZAPLBSNoResponsesTrap (continued)

Object Name	ruckusSZAPLBSNoResponsesTrap
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 47 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.

TABLE 47 ruckusSZAPLBSAuthFailedTrap (continued)

Object Name	ruckusSZAPLBSAuthFailedTrap
Generated by Event Code	702:apLBSAuthFailed

ruckusSZAPLBSConnectFailedTrap

TABLE 48 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
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 81 (.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)

ruckusSZAPTunnelBuildFailedTrap

TABLE 49 ruckusSZAPTunnelBuildFailedTrap

Object Name	ruckusSZAPTunnelBuildFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.60
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr

TABLE 49 ruckusSZAPTunnelBuildFailedTrap (continued)

Object Name	ruckusSZAPTunnelBuildFailedTrap
	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 84 (.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 50 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.
Generated by Event Code	608:apBuildTunnelSuccess

ruckusSZAPTunnelDisconnectedTrap

TABLE 51 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 84 (.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 52 ruckusSZAPSoftGRETunnelFailoverPtoSTrap

Object Name	ruckusSZAPSoftGRETunnelFailoverPtoSTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.65
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates

TABLE 52 ruckusSZAPSoftGRETunnelFailoverPtoSTrap (continued)

Object Name	ruckusSZAPSoftGRETunnelFailoverPtoSTrap
	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 87 (.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 53 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
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 87 (.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 54 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 87 (.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 55 ruckusSZAPSoftGREGatewayReachableTrap

Object Name	ruckusSZAPSoftGREGatewayReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.68
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates ruckusSZSoftGREGWAddress

TABLE 55 ruckusSZAPSoftGREGatewayReachableTrap (continued)

Object Name	ruckusSZAPSoftGREGatewayReachableTrap
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 56 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 91 (.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 57 ruckusSZDPLostHeartbeatTrap

Object Name	ruckusSZDPLostHeartbeatTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.71
Trap Severity	Informational
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 90 (.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 58 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 90 (.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 59 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
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 91 (.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 60 ruckusSZDPStatusUpdateFailedTrap

Object Name	ruckusSZDPStatusUpdateFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.74

TABLE 60 ruckusSZDPStatusUpdateFailedTrap (continued)

Object Name	ruckusSZDPStatusUpdateFailedTrap
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 61 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 62 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 63 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 64 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
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 65 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

TABLE 65 ruckusSZDPTunnelTearDownTrap (continued)

Object Name	ruckusSZDPTunnelTearDownTrap
	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 93 (.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 66 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 67 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 68 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 69 ruckusSZDPDiscoverySuccessTrap

Object Name	ruckusSZDPDiscoverySuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.86
Trap Severity	Informational
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 70 ruckusSZDPDiscoveryFailTrap

Object Name	ruckusSZDPDiscoveryFailTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.87
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode

TABLE 70 ruckusSZDPDiscoveryFailTrap (continued)

Object Name	ruckusSZDPDiscoveryFailTrap
	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 71 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 72 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 73 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 74 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 75 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

TABLE 75 ruckusSZDPUpgradeFailedTrap (continued)

Object Name	ruckusSZDPUpgradeFailedTrap
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZDPUpgradeSuccessTrap on page 95 (.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 76 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 269 - ruckusSZClientMiscEventTrap on page 270

ruckusSZNodeJoinFailedTrap

TABLE 77 ruckusSZNodeJoinFailedTrap

Object Name	ruckusSZNodeJoinFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.200
Trap Severity	Critical
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 102 (.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 78 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 103 (.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 79 ruckusSZNodeOutOfServiceTrap

Object Name	ruckusSZNodeOutOfServiceTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.202
Trap Severity	Critical
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 104 (.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 80 ruckusSZClusterInMaintenanceStateTrap

Object Name	ruckusSZClusterInMaintenanceStateTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.203

TABLE 80 ruckusSZClusterInMaintenanceStateTrap (continued)

Object Name	ruckusSZClusterInMaintenanceStateTrap
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 102 (.1.3.6.1.4.1.25053.2.11.1.216).

ruckusSZClusterBackupFailedTrap

TABLE 81 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.
Generated by Event Code	810:backupClusterFailed
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZBackupClusterSuccessTrap on page 102 (.1.3.6.1.4.1.25053.2.11.1.217)

ruckusSZClusterRestoreFailedTrap

TABLE 82 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 104 (.1.3.6.1.4.1.25053.2.11.1.221)

TABLE 82 ruckusSZClusterRestoreFailedTrap (continued)

Object Name	ruckusSZClusterRestoreFailedTrap
Cleared by Matching	ruckusSZEventMacAddr (.1.3.6.1.4.1.25053.2.11.2.20.0)

ruckusSZClusterAppStoppedTrap

TABLE 83 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 103 (.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 84 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 101 (.1.3.6.1.4.1.25053.2.11.1.211)

TABLE 84 ruckusSZNodeBondInterfaceDownTrap (continued)

Object Name	ruckusSZNodeBondInterfaceDownTrap
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 85 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 101 (.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 86 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 87 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 88 ruckusSZNodeBondInterfaceUpTrap

Object Name	ruckusSZNodeBondInterfaceUpTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.211
Trap Severity	Informational
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 89 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

TABLE 89 ruckusSZNodePhyInterfaceUpTrap (continued)

Object Name	ruckusSZNodePhyInterfaceUpTrap
	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 90 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 91 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 92 ruckusSZNodeJoinSuccessTrap

Object Name	ruckusSZNodeJoinSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.218
Trap Severity	Informational

TABLE 92 ruckusSZNodeJoinSuccessTrap (continued)

Object Name	ruckusSZNodeJoinSuccessTrap
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 93 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
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 94 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

TABLE 94 ruckusSZNodeRemoveSuccessTrap (continued)

Object Name	ruckusSZNodeRemoveSuccessTrap
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 95 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 96 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 97 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 98 ruckusSZClusterCfgBackupStartTrap

Object Name	ruckusSZClusterCfgBackupStartTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.224
Trap Severity	Informational
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 99 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

TABLE 99 ruckusSZClusterCfgBackupSuccessTrap (continued)

Object Name	ruckusSZClusterCfgBackupSuccessTrap
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 100 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 105

ruckusSZClusterCfgRestoreSuccessTrap

TABLE 101 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 102 ruckusSZClusterCfgRestoreFailedTrap

Object Name	ruckusSZClusterCfgRestoreFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.228
Trap Severity	Major
Bindings	ruckusSZEventSeverity

TABLE 102 ruckusSZClusterCfgRestoreFailedTrap (continued)

Object Name	ruckusSZClusterCfgRestoreFailedTrap
	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 106 (.1.3.6.1.4.1.25053.2.11.1.227)

ruckusSZClusterUploadSuccessTrap

TABLE 103 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 104 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 105 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 102 (.1.3.6.1.4.1.25053.2.11.1.216)

ruckusSZClusterUploadVDPFirmwareStartTrap

TABLE 106 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.
Generated by Event Code	845:clusterUploadVDPFirmwareStart

ruckusSZClusterUploadVDPFirmwareSuccessTrap

TABLE 107 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.

TABLE 107 ruckusSZClusterUploadVDPFirmwareSuccessTrap (continued)

Object Name	ruckusSZClusterUploadVDPFirmwareSuccessTrap
Generated by Event Code	846:uploadClusterVDPFirmwareSuccess

ruckusSZClusterUploadVDPFirmwareFailedTrap

TABLE 108 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 109 ruckusSZIpmiTempBBTrap

Object Name	ruckusSZIpmiTempBBTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.251
Trap Severity	Major
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 111 (.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 110 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 111 (.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 111 ruckusSZIpmiFanTrap

Object Name	ruckusSZIpmiFanTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.258
Trap Severity	Major
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 112 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 112 (.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 113 ruckusSZIpmiRETempBBTrap

Object Name	ruckusSZIpmiRETempBBTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.265
Trap Severity	Informational
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 114 ruckusSZIpmiRETempPTrap

Object Name	ruckusSZIpmiRETempPTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.270
Trap Severity	Informational
Bindings	ruckusSZEventSeverity

TABLE 114 ruckusSZIpmiRETempPTrap (continued)

Object Name	ruckusSZIpmiRETempPTrap
	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 115 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
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 116 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

TABLE 116 ruckusSZIpmiREFanStatusTrap (continued)

Object Name	ruckusSZIpmiREFanStatusTrap
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 117 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

ruckusSZSystemLBSConnectSuccessTrap

TABLE 118 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 119 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 120 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 121 ruckusSZSystemLBSConnectFailedTrap

Object Name	ruckusSZSystemLBSConnectFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.293
Trap Severity	Major
Bindings	ruckusSZEventSeverity

TABLE 121 ruckusSZSystemLBSConnectFailedTrap (continued)

Object Name	ruckusSZSystemLBSConnectFailedTrap
	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 113 (.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 122 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 123 ruckusSZServiceUnavailableTrap

Object Name	ruckusSZServiceUnavailableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.301
Trap Severity	Critical
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZProcessName

TABLE 123 ruckusSZServiceUnavailableTrap (continued)

Object Name	ruckusSZServiceUnavailableTrap
	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 124 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 125 ruckusSZResourceUnavailableTrap

Object Name	ruckusSZResourceUnavailableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.304
Trap Severity	Critical
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.

TABLE 125 ruckusSZResourceUnavailableTrap (continued)

Object Name	ruckusSZResourceUnavailableTrap
Generated by Event Code	1006:resourceUnavailable

ruckusSZSmfRegFailedTrap

TABLE 126 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 127 ruckusSZHipFailoverTrap

Object Name	ruckusSZHipFailoverTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.306
Trap Severity	Critical
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 128 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 129 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
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 130 ruckusSZLostCnxnToDbladeTrap

Object Name	ruckusSZLostCnxnToDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.309
Trap Severity	Major
Bindings	ruckusSZEventSeverity

TABLE 130 ruckusSZLostCnxnToDbladeTrap (continued)

Object Name	ruckusSZLostCnxnToDbladeTrap
	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 122 (.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 131 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
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 132 ruckusSZAccSrvrNotReachableTrap

Object Name	ruckusSZAccSrvrNotReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.315
Trap Severity	Major
Bindings	ruckusSZEventSeverity ruckusSZEventCode

TABLE 132 ruckusSZAccSrvrNotReachableTrap (continued)

Object Name	ruckusSZAccSrvrNotReachableTrap
	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 133 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 134 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

TABLE 134 ruckusSZAPAcctRespWhileInvalidConfigTrap (continued)

Object Name	ruckusSZAPAcctRespWhileInvalidConfigTrap
	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 135 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 136 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

TABLE 136 ruckusSZUnauthorizedCoaDmMessageDroppedTrap (continued)

Object Name	ruckusSZUnauthorizedCoaDmMessageDroppedTrap
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 137 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 138 ruckusSZSessUpdatedAtDbladeTrap

Object Name	ruckusSZSessUpdatedAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.354
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr ruckusSZEventNodeMgmtIp

TABLE 138 ruckusSZSessUpdatedAtDbladeTrap (continued)

Object Name	ruckusSZSessUpdatedAtDbladeTrap
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 139 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 140 ruckusSZSessDeletedAtDbladeTrap

Object Name	ruckusSZSessDeletedAtDbladeTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.356
Trap Severity	Debug
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventCtrlIP ruckusSZDPIP ruckusSZUEImsi ruckusSZUEMsisdn ruckusSZEventMacAddr

TABLE 140 ruckusSZSessDeletedAtDbladeTrap (continued)

Object Name	ruckusSZSessDeletedAtDbladeTrap
	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 141 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 142 ruckusSZLicenseSyncSuccessTrap

Object Name	ruckusSZLicenseSyncSuccessTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.358
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.

TABLE 142 ruckusSZLicenseSyncSuccessTrap (continued)

Object Name	ruckusSZLicenseSyncSuccessTrap
Generated by Event Code	1250:licenseSyncSuccess

ruckusSZLicenseSyncFailedTrap

TABLE 143 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 144 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 145 ruckusSZLicenseImportFailedTrap

Object Name	ruckusSZLicenseImportFailedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.361
Trap Severity	Warning
Bindings	ruckusSZEventSeverity ruckusSZEventCode

TABLE 145 ruckusSZLicenseImportFailedTrap (continued)

Object Name	ruckusSZLicenseImportFailedTrap
	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 146 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 147 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
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZSyslogServerReachableTrap on page 126 (.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 148 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 149 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
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 150 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 127 (.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 151 ruckusSZAPLDAPServerReachableTrap

Object Name	ruckusSZAPLDAPServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.402
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode ruckusSZEventType ruckusSZEventAPName ruckusSZEventAPMacAddr ruckusSZEventAPIP ruckusSZEventAPLocation ruckusSZEventAPDescription ruckusSZEventAPGPSCoordinates

TABLE 151 ruckusSZAPLDAPServerReachableTrap (continued)

Object Name	ruckusSZAPLDAPServerReachableTrap
	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 152 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 128 (.1.3.6.1.4.1.25053.2.11.1.402)
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 153 ruckusSZAPADServerReachableTrap

Object Name	ruckusSZAPADServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.404
Trap Severity	Informational

TABLE 153 ruckusSZAPADServerReachableTrap (continued)

Object Name	ruckusSZAPADServerReachableTrap
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 154 ruckusSZAPADServerUnreachableTrap

Object Name	ruckusSCGAPADServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.405
Trap Severity	Major
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 129 (.1.3.6.1.4.1.25053.2.11.1.404)

TABLE 154 ruckusSZAPADServerUnreachableTrap (continued)

Object Name	ruckusSCGAPADServerUnreachableTrap
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 155 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
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 156 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

TABLE 156 ruckusSZAPUsbSoftwarePackageDownloadFailedTrap (continued)

Object Name	ruckusSZAPUsbSoftwarePackageDownloadFailedTrap
	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 157 ruckusSZEspAuthServerReachableTrap

Object Name	ruckusSZEspAuthServerReachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.408
Trap Severity	Informational
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 158 ruckusSZEspAuthServerUnreachableTrap

Object Name	ruckusSZEspAuthServerUnreachableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.409
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode

TABLE 158 ruckusSZEspAuthServerUnreachableTrap (continued)

Object Name	ruckusSZEspAuthServerUnreachableTrap
	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 132 (.1.3.6.1.4.1.25053.2.11.1.408)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusSZEspAuthServerResolvableTrap

TABLE 159 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 160 ruckusSZEspAuthServerUnResolvableTrap

Object Name	ruckusSZEspAuthServerUnResolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.411
Trap Severity	Major
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 133 (.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 161 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

TABLE 161 ruckusSZEspDNATServerReachableTrap (continued)

Object Name	ruckusSZEspDNATServerReachableTrap
	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.
Generated by Event Code	2161:espDNATServerReachable

ruckusSZEspDNATServerUnreachableTrap

TABLE 162 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 134 (.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 163 ruckusSZEspDNATServerResolvableTrap

Object Name	ruckusSZEspDNATServerResolvableTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.414
Trap Severity	Informational
Bindings	ruckusSZEventSeverity ruckusSZEventCode

TABLE 163 ruckusSZEspDNATServerResolvableTrap (continued)

Object Name	ruckusSZEspDNATServerResolvableTrap
	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 164 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 135 (.1.3.6.1.4.1.25053.2.11.1.414)
Cleared by Matching	ruckusSZEventAPMacAddr (.1.3.6.1.4.1.25053.2.11.2.23.0)

ruckusRateLimitTORSurpassedTrap

TABLE 165 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 166 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 167 ruckusSZIPSecTunnelDisassociatedTrap

Object Name	ruckusSZIPSecTunnelDisassociatedTrap
Object Identifier	.1.3.6.1.4.1.25053.2.11.1.601

TABLE 167 ruckusSZIPSecTunnelDisassociatedTrap (continued)

Object Name	ruckusSZIPSecTunnelDisassociatedTrap
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 168 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.
Generated by Event Code	662:ipsecTunnelAssociateFailed

TABLE 168 ruckusSZIPSecTunnelAssociateFailedTrap (continued)

Object Name	ruckusSZIPSecTunnelAssociateFailedTrap
Cleared by SNMP Trap	This SNMP trap is cleared by ruckusSZIPSecTunnelAssociatedTrap on page 137 (.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 140	.1.3.6.1.4.1.25053.2.11.2.1
ruckusSZClusterName on page 141	.1.3.6.1.4.1.25053.2.11.2.2
ruckusSZEventCode on page 141	.1.3.6.1.4.1.25053.2.11.2.10
ruckusSZProcessName on page 141	.1.3.6.1.4.1.25053.2.11.2.11
ruckusSZEventCtrlIP on page 141	.1.3.6.1.4.1.25053.2.11.2.12
ruckusSZEventSeverity on page 141	.1.3.6.1.4.1.25053.2.11.2.13
ruckusSZEventType on page 142	.1.3.6.1.4.1.25053.2.11.2.14
ruckusSZEventNodeMgmtIp on page 142	.1.3.6.1.4.1.25053.2.11.2.15
ruckusSZEventNodeName on page 142	.1.3.6.1.4.1.25053.2.11.2.16
ruckusSZCPUPerc on page 142	.1.3.6.1.4.1.25053.2.11.2.17
ruckusSZMemoryPerc on page 142	.1.3.6.1.4.1.25053.2.11.2.18
ruckusSZDiskPerc on page 142	.1.3.6.1.4.1.25053.2.11.2.19
ruckusSZEventMacAddr on page 143	.1.3.6.1.4.1.25053.2.11.2.20
ruckusSZEventFirmwareVersion on page 143	.1.3.6.1.4.1.25053.2.11.2.21
ruckusSZEventUpgradedFirmwareVersion on page 143	.1.3.6.1.4.1.25053.2.11.2.22
ruckusSZEventAPMacAddr on page 143	.1.3.6.1.4.1.25053.2.11.2.23
ruckusSZEventReason on page 143	.1.3.6.1.4.1.25053.2.11.2.24
ruckusSZEventAPName on page 143	.1.3.6.1.4.1.25053.2.11.2.25
ruckusSZEventAPIP on page 144	.1.3.6.1.4.1.25053.2.11.2.26
ruckusSZEventAPLocation on page 144	.1.3.6.1.4.1.25053.2.11.2.27
ruckusSZEventAPGPSCoordinates on page 144	.1.3.6.1.4.1.25053.2.11.2.28
ruckusSZEventAPDescription on page 144	.1.3.6.1.4.1.25053.2.11.2.29
ruckusSZAPModel on page 144	.1.3.6.1.4.1.25053.2.11.2.31
ruckusSZConfigAPModel on page 144	.1.3.6.1.4.1.25053.2.11.2.32
ruckusSZAPConfigID on page 145	.1.3.6.1.4.1.25053.2.11.2.33
ruckusSZEventAPIPv6 on page 145	.1.3.6.1.4.1.25053.2.11.2.35
ruckusSZLBSURL on page 145	.1.3.6.1.4.1.25053.2.11.2.38
ruckusSZLBSPort on page 145	.1.3.6.1.4.1.25053.2.11.2.39
ruckusSZEventSSID on page 145	.1.3.6.1.4.1.25053.2.11.2.40
ruckusSZEventRogueMac on page 145	.1.3.6.1.4.1.25053.2.11.2.45
ruckusPrimaryGRE on page 146	.1.3.6.1.4.1.25053.2.11.2.46

Event Object	Object Identifier
ruckusSecondaryGRE on page 146	.1.3.6.1.4.1.25053.2.11.2.47
ruckusSoftGREGatewayList on page 146	.1.3.6.1.4.1.25053.2.11.2.48
ruckusSZSoftGREGWAddress on page 146	.1.3.6.1.4.1.25053.2.11.2.49
ruckusSZEventClientMacAddr on page 146	.1.3.6.1.4.1.25053.2.11.2.50
ruckusSZDPKey on page 146	.1.3.6.1.4.1.25053.2.11.2.80
ruckusSZDPConfigID on page 147	.1.3.6.1.4.1.25053.2.11.2.81
ruckusSZDPIP on page 147	.1.3.6.1.4.1.25053.2.11.2.82
ruckusSZNetworkPortID on page 147	.1.3.6.1.4.1.25053.2.11.2.100
ruckusSZNetworkInterface on page 147	.1.3.6.1.4.1.25053.2.11.2.101
ruckusSZSwitchStatus on page 147	.1.3.6.1.4.1.25053.2.11.2.102
ruckusSZTemperatureStatus on page 147	.1.3.6.1.4.1.25053.2.11.2.120
ruckusSZProcessorId on page 148	.1.3.6.1.4.1.25053.2.11.2.121
ruckusSZFanid on page 148	.1.3.6.1.4.1.25053.2.11.2.122
ruckusSZFanStatus on page 148	.1.3.6.1.4.1.25053.2.11.2.123
ruckusSZLicenseType on page 148	.1.3.6.1.4.1.25053.2.11.2.150
ruckusSZLicenseUsagePerc on page 148	.1.3.6.1.4.1.25053.2.11.2.151
ruckusSZLicenseServerName on page 148	.1.3.6.1.4.1.25053.2.11.2.152
ruckusSZIPSecGWAddress on page 149	.1.3.6.1.4.1.25053.2.11.2.153
ruckusSZSyslogServerAddress on page 149	.1.3.6.1.4.1.25053.2.11.2.154
ruckusSZSrcSyslogServerAddress on page 149	.1.3.6.1.4.1.25053.2.11.2.155
ruckusSZDestSyslogServerAddress on page 149	.1.3.6.1.4.1.25053.2.11.2.156
ruckusSZFtpIp on page 149	.1.3.6.1.4.1.25053.2.11.2.200
ruckusSZFtpPort on page 149	.1.3.6.1.4.1.25053.2.11.2.201
ruckusSZUEImsi on page 150	.1.3.6.1.4.1.25053.2.11.2.305
ruckusSZUEMsisdn on page 150	.1.3.6.1.4.1.25053.2.11.2.306
ruckusSZAuthSrvrIp on page 150	.1.3.6.1.4.1.25053.2.11.2.307
ruckusSZRadProxyIp on page 150	.1.3.6.1.4.1.25053.2.11.2.308
ruckusSZAccSrvrIp on page 150	.1.3.6.1.4.1.25053.2.11.2.309
ruckusSZRadSrvrIp on page 150	.1.3.6.1.4.1.25053.2.11.2.312
ruckusSZUserName on page 151	.1.3.6.1.4.1.25053.2.11.2.324
ruckusSZFileName on page 151	.1.3.6.1.4.1.25053.2.11.2.326
ruckusSZLDAPSrvrIp on page 151	.1.3.6.1.4.1.25053.2.11.2.327
ruckusSZADSrvrIp on page 151	.1.3.6.1.4.1.25053.2.11.2.328
ruckusSZSoftwareName on page 151	.1.3.6.1.4.1.25053.2.11.2.329
ruckusSZDomainName on page 151	.1.3.6.1.4.1.25053.2.11.2.330
rruckusSZDNATIp on page 152	.1.3.6.1.4.1.25053.2.11.2.331

ruckusSZEventDescription

TABLE 169 ruckusSZEventDescription

Object Name	ruckusSZEventDescription
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.1

TABLE 169 ruckusSZEventDescription (continued)

Object Name	ruckusSZEventDescription
Description	Event description.

ruckusSZClusterName

TABLE 170 ruckusSZClusterName

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

ruckusSZEventCode

TABLE 171 ruckusSZEventCode

Object Name	ruckusSZEventCode
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.10
Description	The event code

ruckusSZProcessName

TABLE 172 ruckusSZProcessName

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

ruckusSZEventCtrlIP

TABLE 173 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 174 ruckusSZEventSeverity

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

ruckusSZEventType

TABLE 175 ruckusSZEventType

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

ruckusSZEventNodeMgmtIp

TABLE 176 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 177 ruckusSZEventNodeName

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

ruckusSZCPUPerc

TABLE 178 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 179 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 180 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 181 ruckusSZEventMacAddr

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

ruckusSZEventFirmwareVersion

TABLE 182 ruckusSZEventFirmwareVersion

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

ruckusSZEventUpgradedFirmwareVersion

TABLE 183 ruckusSZEventUpgradedFirmwareVersion

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

ruckusSZEventAPMacAddr

TABLE 184 ruckusSZEventAPMacAddr

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

ruckusSZEventReason

TABLE 185 ruckusSZEventReason

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

ruckusSZEventAPName

TABLE 186 ruckusSZEventAPName

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

ruckusSZEventAPIP

TABLE 187 ruckusSZEventAPIP

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

ruckusSZEventAPLocation

TABLE 188 ruckusSZEventAPLocation

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

ruckusSZEventAPGPSCoordinates

TABLE 189 ruckusSZEventAPGPSCoordinates

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

ruckusSZEventAPDescription

TABLE 190 ruckusSZEventAPDescription

Object Name	ruckusSZEventAPDescription
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.29
Description	The AP description

ruckusSZAPModel

TABLE 191 ruckusSZAPModel

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

ruckusSZConfigAPModel

TABLE 192 ruckusSZConfigAPModel

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

ruckusSZAPConfigID

TABLE 193 ruckusSZAPConfigID

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

ruckusSZEventAPIPv6

TABLE 194 ruckusSZEventAPIPv6

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

ruckusSZLBSURL

TABLE 195 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 196 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 197 ruckusSZEventSSID

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

ruckusSZEventRogueMac

TABLE 198 ruckusSZEventRogueMac

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

ruckusPrimaryGRE

TABLE 199 ruckusPrimaryGRE

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

ruckusSecondaryGRE

TABLE 200 ruckusSecondaryGRE

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

ruckusSoftGREGatewayList

TABLE 201 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 202 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 203 ruckusSZEventClientMacAddr

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

ruckusSZDPKey

TABLE 204 ruckusSZDPKey

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

ruckusSZDPConfigID

TABLE 205 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 206 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 207 ruckusSZNetworkPortID

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

ruckusSZNetworkInterface

TABLE 208 ruckusSZNetworkInterface

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

ruckusSZSwitchStatus

TABLE 209 ruckusSZSwitchStatus

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

ruckusSZTemperatureStatus

TABLE 210 ruckusSZTemperatureStatus

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

ruckusSZProcessorId

TABLE 211 ruckusSZProcessorId

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

ruckusSZFanid

TABLE 212 ruckusSZFanid

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

ruckusSZFanStatus

TABLE 213 ruckusSZFanStatus

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

ruckusSZLicenseType

TABLE 214 ruckusSZLicenseType

Object Name	ruckusSZLicenseType
Object Identifier	.1.3.6.1.4.1.25053.2.11.2.150
Description	The license type

ruckusSZLicenseUsagePerc

TABLE 215 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 216 ruckusSZLicenseServerName

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

ruckusSZIPSecGWAddress

TABLE 217 ruckusSZIPSecGWAddress

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

ruckusSZSyslogServerAddress

TABLE 218 ruckusSZSyslogServerAddress

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

ruckusSZSrcSyslogServerAddress

TABLE 219 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 220 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 221 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 222 ruckusSZFtpPort

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

ruckusSZUEImsi

TABLE 223 ruckusSZUEImsi

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

ruckusSZUEMsisdn

TABLE 224 ruckusSZUEMsisdn

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

ruckusSZAuthSrvrIp

TABLE 225 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 226 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 227 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 228 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 229 ruckusSZUserName

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

ruckusSZFileName

TABLE 230 ruckusSZFileName

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

ruckusSZLDAPSrvrIp

TABLE 231 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 232 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 233 ruckusSZSoftwareName

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

ruckusSZDomainName

TABLE 234 ruckusSZDomainName

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

ruckusSZDNATIp

TABLE 235 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 236 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 237 ruckusSZSystemStatsNumSta

Object Name	ruckusSZSystemStatsNumSta
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.2

TABLE 237 ruckusSZSystemStatsNumSta (continued)

Object Name	ruckusSZSystemStatsNumSta
Description	The number of associated clients.

ruckusSZSystemStatsWLANTotalRxPkts

TABLE 238 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 239 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 240 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 241 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 242 ruckusSZSystemStatsWLANTotalTxBytes

Object Name	ruckusSZSystemStatsWLANTotalTxBytes
Parent Node	ruckusSZSystemStats
Object Identifier	.1.3.6.1.4.1.25053.1.4.1.1.1.15.9

TABLE 242 ruckusSZSystemStatsWLANTotalTxBytes (continued)

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

ruckusSZSystemStatsWLANTotalTxMulticast

TABLE 243 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 244 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 245 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 246 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 247 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 160

ruckusCtrlSystemNodeEntry

TABLE 248 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 249 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 250 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 251 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 252 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 253 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 254 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 255 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 256 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 257 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 258 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 259 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 260 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 261 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 262 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 160
- ruckusCtrlZoneId on page 160
- ruckusCtrlZoneName on page 161
- ruckusCtrlZoneCountryCode on page 161
- ruckusCtrlZoneNumApConnected on page 161
- ruckusCtrlZoneNumApDisconnected on page 161

RuckusCtrlZoneEntry

TABLE 263 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 264 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 265 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 266 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 267 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 268 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

TABLE 269 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 270 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 271 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 272 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 273 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 274 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 165	ruckusSZAPGroup on page 165
ruckusSZAPUptime on page 165	ruckusSZAPFWversion on page 166
ruckusSZAPModel on page 166	ruckusSZAPSerial on page 166
ruckusSZAPIp on page 166	ruckusSZAPIPType on page 166
ruckusSZAPExtIp on page 167	ruckusSZAPExtPort on page 167

MIB	MIB
ruckusSZAPNumSta on page 167	ruckusSZAPConnStatus on page 167
ruckusSZAPRegStatus on page 167	ruckusSZAPConfigStatus on page 168
ruckusSZAPLocation on page 168	ruckusSZAPGPSInfo on page 168
ruckusSZAPMeshRole on page 168	ruckusSZAPRXBytes on page 169
ruckusSZAPTXBytes on page 169	ruckusSZAPIpsecSessionTime on page 169
ruckusSZAPIpsecTXPkts on page 169	ruckusSZAPIpsecRXPkts on page 169
ruckusSZAPIpsecTXBytes on page 170	ruckusSZAPIpsecRXBytes on page 170
ruckusSZAPIpsecTXPktsDropped on page 170	ruckusSZAPIpsecRXPktsDropped on page 170
ruckusSZAPIpsecTXIdleTime on page 170	ruckusSZAPIpsecRXIdleTime on page 171

ruckusSZAPMac

TABLE 275 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 276 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 277 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 278 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 279 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 280 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 281 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 282 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 283 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 284 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 285 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 286 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 287 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 288 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 289 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 290 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 291 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 292 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 293 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 294 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 295 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 296 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 297 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 298 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 299 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 300 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 301 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 302 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 303 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 304 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 305 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 306 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 307 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 308 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 309 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 310 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 311 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 312 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 313 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 314 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 315 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 316 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 317 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 318 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 319 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 320 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 321 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 322 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.

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 175
- ruckusCtrlClientStatus on page 176

ruckusCtrlClientMac

TABLE 323 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 324 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*.

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 177
- ruckusCtrlApGroupZoneId on page 178
- ruckusCtrlApApGroupId on page 188
- ruckusCtrlApApGroupName on page 188
- ruckusCtrlApGroupNumApConnected on page 178
- ruckusCtrlApGroupNumApDisconnected on page 178

ruckusCtrlApGroupEntry

TABLE 325 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 326 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 327 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 328 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 329 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 330 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.

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

TABLE 331 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 332 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

TABLE 332 ruckusCtrlSummaryApIndexType (continued)

Object Name	ruckusCtrlSummaryApIndexType
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 333 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 334 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 335 ruckusCtrlSummaryApZoneId

Object Name	ruckusCtrlSummaryApZoneId
Parent Node	ruckusCtrlSummaryApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.1.8.1.4
Description	The zone identifier.

ruckusCtrlSummaryApApGroupId

TABLE 336 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 337 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 338 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 339 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 340 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 341 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*.

- ruckusCtrlApClientEntry on page 184
- ruckusCtrlApClientApMac on page 184
- ruckusCtrlApClientMac on page 184

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 342 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 343 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 344 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*.

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 on page 186
- ruckusCtrlApMac on page 187

ruckusCtrlApEntry

TABLE 345 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 346 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 347 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 348 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 349 ruckusCtrlApZoneId

Object Name	ruckusCtrlApZoneId
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.4
Description	The zone UUID.

ruckusCtrlApZoneName

TABLE 350 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 351 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 352 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 353 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 354 ruckusCtrlApIpv6

Object Name	ruckusCtrlApIpv6
Parent Node	ruckusCtrlApTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.1.1.13
Description	The IPv6 address.

ruckusCtrlApNetmask

TABLE 355 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 356 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 357 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 358 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 359 ruckusCtrlApIpv6DnsSvr1

Object Name	ruckusCtrlApIpv6DnsSvr1
Parent Node	ruckusCtrlApTable
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 360 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 361 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 362 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 363 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
Description	The AP status type, which is: 0: not available (busy or not running) 1: connected

ruckusCtrlApModel

TABLE 364 ruckusCtrlApModel

Object Name	ruckusCtrlApModel
Parent Node	ruckusCtrlApTable
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 365 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 366 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 367 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 368 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 369 ruckusCtrlApTemperature

Object Name	ruckusCtrlApTemperature
Parent Node	ruckusCtrlApTable
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 370 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 371 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 372 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 373 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 374 ruckusCtrlApFreeMemory

Object Name	ruckusCtrlApFreeMemory
Parent Node	ruckusCtrlApTable
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 375 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 376 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 377 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 378 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 379 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 380 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 381 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 382 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 383 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 384 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 385 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 386 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 387 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 388 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 389 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 390 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 391 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 392 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 393 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 394 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 395 ruckusCtrlApNumMeshHops

Object Name	ruckusCtrlApNumMeshHops
Parent Node	ruckusCtrlApTable

TABLE 395 ruckusCtrlApNumMeshHops (continued)

Object Name	ruckusCtrlApNumMeshHops
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 396 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 397 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 398 ruckusCtrlApConnectScgDpIp

Object Name	ruckusCtrlApConnectScgDpIp
Parent Node	ruckusCtrlApTable
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 399 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 400 ruckusCtrlApLanStatsRxBytes

Object Name	ruckusCtrlApLanStatsRxBytes
Parent Node	ruckusCtrlApTable

TABLE 400 ruckusCtrlApLanStatsRxBytes (continued)

Object Name	ruckusCtrlApLanStatsRxBytes
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 401 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 402 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 403 ruckusCtrlApLanStatsTxPkts

Object Name	ruckusCtrlApLanStatsTxPkts
Parent Node	ruckusCtrlApTable
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 404 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 405 ruckusCtrlApLanStatsTxErrorPkts

Object Name	ruckusCtrlApLanStatsTxErrorPkts
Parent Node	ruckusCtrlApTable

TABLE 405 ruckusCtrlApLanStatsTxErrorPkts (continued)

Object Name	ruckusCtrlApLanStatsTxErrorPkts
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 406 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 407 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 408 ruckusCtrlAPIpsecRxBytes

Object Name	ruckusCtrlAPIpsecRxBytes
Parent Node	ruckusCtrlApTable
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 409 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 410 ruckusCtrlAPIpsecRxPkts

Object Name	ruckusCtrlAPIpsecRxPkts
Parent Node	ruckusCtrlApTable

TABLE 410 ruckusCtrlAPIpsecRxPkts (continued)

Object Name	ruckusCtrlAPIpsecRxPkts
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 411 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 412 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 413 ruckusCtrlAPIpsecTxDropPkts

Object Name	ruckusCtrlAPIpsecTxDropPkts
Parent Node	ruckusCtrlApTable
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 414 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 415 ruckusCtrlAPIpsecRxIdleTime

Object Name	ruckusCtrlAPIpsecRxIdleTime
Parent Node	ruckusCtrlApTable

TABLE 415 ruckusCtrlAPIpsecRxIdleTime (continued)

Object Name	ruckusCtrlAPIpsecRxIdleTime
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 416 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*.

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 on page 203
- ruckusCtrlApRadioApMac on page 203
- ruckusCtrlApRadioIndex on page 203
- ruckusCtrlApRadioNumWlans on page 203

ruckusCtrlApRadioEntry

TABLE 417 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 418 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 419 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

ruckusCtrlApRadioNumWlans

TABLE 420 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

TABLE 420 ruckusCtrlApRadioNumWlans (continued)

Object Name	ruckusCtrlApRadioNumWlans
Description	The number of WLANs in the radio.

ruckusCtrlApRadioType

TABLE 421 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

ruckusCtrlApRadioChannelWidth

TABLE 422 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

ruckusCtrlApRadioChannel

TABLE 423 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 424 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 425 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 426 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
Description	Enabling the power management as: 0: No 1: Yes

ruckusCtrlApRadioMeshEnable

TABLE 427 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 428 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 429 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 430 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 431 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 432 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 433 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 434 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 435 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 436

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 437 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 438 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 439 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 440 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 441 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 442 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 443 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 444 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 445 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 446 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 447 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 448 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 449 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 450 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 451 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 452 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 453 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 454 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 455 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 456 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 457 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 458 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 459 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 460 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 461 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 462 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 463 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 464 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 465 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 466 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 467 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 468 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*.

ruckusCtrlApWlanEntry

TABLE 469 ruckusCtrlApWlanEntry

Object Name	ruckusCtrlApWlanEntry
Parent Node	ruckusCtrlApWlanTable
Object Identifier	1.3.6.1.4.1.25053.1.8.1.1.1.2.5.1
Description	The index to this table is ApMac, RadioIndex and ApWlanBssid

ruckusCtrlApWlanApMac

TABLE 470 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 471 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 472 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 473 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 474 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 475 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 476 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 477 ruckusCtrlApWlanRadioChannel

Object Name	ruckusCtrlApWlanRadioChannel
Parent Node	ruckusCtrlApWlanTable

TABLE 477 ruckusCtrlApWlanRadioChannel (continued)

Object Name	ruckusCtrlApWlanRadioChannel
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 478 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 479 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 480 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 481 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 482 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 483 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 484 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 485 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 486 ruckusCtrlApWlanStatsNumAssocClients

Object Name	ruckusCtrlApWlanStatsNumAssocClients
Parent Node	ruckusCtrlApWlanTable

TABLE 486 ruckusCtrlApWlanStatsNumAssocClients (continued)

Object Name	ruckusCtrlApWlanStatsNumAssocClients
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 487 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 488 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 489 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 490 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 491 ruckusCtrlApWlanStatsRxDataBytes

Object Name	ruckusCtrlApWlanStatsRxDataBytes
Parent Node	ruckusCtrlApWlanTable

TABLE 491 ruckusCtrlApWlanStatsRxDataBytes (continued)

Object Name	ruckusCtrlApWlanStatsRxDataBytes
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 492 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 493 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 494 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 495 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 496 ruckusCtrlApWlanStatsTxBcastDataPkts

Object Name	ruckusCtrlApWlanStatsTxBcastDataPkts
Parent Node	ruckusCtrlApWlanTable

TABLE 496 ruckusCtrlApWlanStatsTxBcastDataPkts (continued)

Object Name	ruckusCtrlApWlanStatsTxBcastDataPkts
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 497 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 498 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 499 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 500 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 501 ruckusCtrlApWlanStatsNumReassocReq

Object Name	ruckusCtrlApWlanStatsNumReassocReq
Parent Node	ruckusCtrlApWlanTable

TABLE 501 ruckusCtrlApWlanStatsNumReassocReq (continued)

Object Name	ruckusCtrlApWlanStatsNumReassocReq
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 502 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 503 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 504 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 505 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 506 ruckusCtrlApWlanStatsNumAuthFail

Object Name	ruckusCtrlApWlanStatsNumAuthFail
Parent Node	ruckusCtrlApWlanTable

TABLE 506 ruckusCtrlApWlanStatsNumAuthFail (continued)

Object Name	ruckusCtrlApWlanStatsNumAuthFail
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 507 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 508 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.

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 509 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 510 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 511 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 512 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 513 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 514 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 515 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 516 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 517 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
Description	The radio index: 1: ieee802dot11b 2: ieee802dot11g 3: ieee802dot11Mixed 4: ieee802dot11a 5: ieee802dot11ng 6: ieee802dot11na 7: ieee802dot11ac

ruckusCtrlClientRadioChannel

TABLE 518 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 519 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 520 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 521 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
Description	The OS type of the user equipment.

ruckusCtrlClientStatus

TABLE 522 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 523 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 524 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 525 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 526 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 527 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 528 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 529 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 530 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 531 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 532 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 533 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 534 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 535 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 536 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 537 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 231

- ruckusCtrlApWiredClientApMac on page 231
- ruckusCtrlApWiredClientMac on page 231

ruckusCTRLApWiredClientEntry

TABLE 538 ruckusCTRLApWiredClientEntry

Object Name	ruckusCTRLApWiredClientEntry
Parent Node	ruckusCtrlApWiredClientTable
Object Identifier	.1.3.6.1.4.1.25053.1.8.1.1.1.1.11.1
Description	The index to this table is: • ruckusCtrlApWiredClientApMac • ruckusCtrlApWiredClientMac

ruckusCtrlApWiredClientApMac

TABLE 539 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 540 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:
```


ruckusCTRLWiredClientEntry

TABLE 541 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 542 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

TABLE 542 ruckusCtrlWiredClientMac (continued)

Object Name	ruckusCtrlWiredClientMac
Description	The wired UE MAC Address

ruckusCtrlWiredClientUserName

TABLE 543 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 544 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 545 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 546 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 547 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

TABLE 547 ruckusCtrlWiredClientIpv6 (continued)

Object Name	ruckusCtrlWiredClientIpv6
Description	The wired UE IPV6 address.

ruckusCtrlWiredClientApMac

TABLE 548 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 549 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 550 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 551 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 552 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 553 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 554 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 555 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 556 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 557 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 558 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 559 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 560 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 561 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 562 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 563 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 564 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 565 inetCidrRouteIfIndex

Object Name	inetCidrRouteIfIndex
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.7

inetCidrRouteType

TABLE 566 inetCidrRouteType

Object Name	inetCidrRouteType
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.8

inetCidrRouteProto

TABLE 567 inetCidrRouteProto

Object Name	inetCidrRouteProto
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.9

inetCidrRouteAge

TABLE 568 inetCidrRouteAge

Object Name	inetCidrRouteAge
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.10

inetCidrRouteNextHopAS

TABLE 569 inetCidrRouteNextHopAS

Object Name	inetCidrRouteNextHopAS
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.11

inetCidrRouteMetric1

TABLE 570 inetCidrRouteMetric1

Object Name	inetCidrRouteMetric1
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.12

inetCidrRouteMetric2

TABLE 571 inetCidrRouteMetric2

Object Name	inetCidrRouteMetric2
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.13

inetCidrRouteMetric3

TABLE 572 inetCidrRouteMetric3

Object Name	inetCidrRouteMetric3
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.14

inetCidrRouteMetric4

TABLE 573 inetCidrRouteMetric4

Object Name	inetCidrRouteMetric4
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.15

inetCidrRouteMetric5

TABLE 574 inetCidrRouteMetric5

Object Name	inetCidrRouteMetric5
Parent Node	inetCidrRouteTable
Object Identifier	.1.3.6.1.2.1.4.24.7.1.16

inetCidrRouteStatus

TABLE 575 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

TABLE 576 ipv6IpForwarding

Object Name	ipv6IpForwarding
Object Identifier	.1.3.6.1.2.1.4.25

ipv6IpDefaultHopLimit

TABLE 577 ipv6IpDefaultHopLimit

Object Name	ipv6IpDefaultHopLimit
Object Identifier	.1.3.6.1.2.1.4.26

ipv6InterfaceTableLastChange

TABLE 578 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

TABLE 579 ipv6InterfaceReasmMaxSize

Object Name	ipv6InterfaceReasmMaxSize
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.2

ipv6InterfaceIdentifier

TABLE 580 ipv6InterfaceIdentifier

Object Name	ipv6InterfaceIdentifier
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.3

ipv6InterfaceEnableStatus

TABLE 581 ipv6InterfaceEnableStatus

Object Name	ipv6InterfaceEnableStatus
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.5

ipv6InterfaceReachableTime

TABLE 582 ipv6InterfaceReachableTime

Object Name	ipv6InterfaceReachableTime
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.6

ipv6InterfaceRetransmitTime

TABLE 583 ipv6InterfaceRetransmitTime

Object Name	ipv6InterfaceRetransmitTime
Parent Node	ipv6InterfaceTable
Object Identifier	.1.3.6.1.2.1.4.30.1.7

ipv6InterfaceForwarding

TABLE 584 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 243	ipSystemStatsHCInReceives on page 244	ipSystemStatsInOctets on page 244
ipSystemStatsHCInOctets on page 244	ipSystemStatsInHdrErrors on page 244	ipSystemStatsInNoRoutes on page 244
ipSystemStatsInAddrErrors on page 244	ipSystemStatsInUnknownProtos on page 245	ipSystemStatsInTruncatedPkts on page 245
ipSystemStatsInForwDatagrams on page 245	ipSystemStatsHCInForwDatagrams on page 245	ipSystemStatsReasmReqds on page 245
ipSystemStatsReasmOKs on page 245	ipSystemStatsReasmFails on page 246	ipSystemStatsInDiscards on page 246
ipSystemStatsInDelivers on page 246	ipSystemStatsHCInDelivers on page 246	ipSystemStatsOutRequests on page 246
ipSystemStatsHCOutRequests on page 246	ipSystemStatsOutNoRoutes on page 247	ipSystemStatsOutForwDatagrams on page 247
ipSystemStatsHCOutForwDatagrams on page 247	ipSystemStatsOutDiscards on page 247	ipSystemStatsOutFragReqds on page 247
ipSystemStatsOutFragOKs on page 247	ipSystemStatsOutFragFails on page 248	ipSystemStatsOutFragCreates on page 248
ipSystemStatsOutTransmits on page 248	ipSystemStatsHCOutTransmits on page 248	ipSystemStatsOutOctets on page 248
ipSystemStatsHCOutOctets on page 248	ipSystemStatsInMcastPkts on page 249	ipSystemStatsHCInMcastPkts on page 249
ipSystemStatsInMcastOctets on page 249	ipSystemStatsHCInMcastOctets on page 249	ipSystemStatsOutMcastPkts on page 249
ipSystemStatsHCOutMcastPkts on page 249	ipSystemStatsOutMcastOctets on page 250	ipSystemStatsHCOutMcastOctets on page 250
ipSystemStatsDiscontinuityTime on page 250	ipSystemStatsRefreshRate on page 250	

ipSystemStatsInReceives

TABLE 585 ipSystemStatsInReceives

Object Name	ipSystemStatsInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.3

ipSystemStatsHCInReceives

TABLE 586 ipSystemStatsHCInReceives

Object Name	ipSystemStatsHCInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.4

ipSystemStatsInOctets

TABLE 587 ipSystemStatsInOctets

Object Name	ipSystemStatsInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.5

ipSystemStatsHCInOctets

TABLE 588 ipSystemStatsHCInOctets

Object Name	ipSystemStatsHCInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.6

ipSystemStatsInHdrErrors

TABLE 589 ipSystemStatsInHdrErrors

Object Name	ipSystemStatsInHdrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.7

ipSystemStatsInNoRoutes

TABLE 590 ipSystemStatsInNoRoutes

Object Name	ipSystemStatsInNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.8

ipSystemStatsInAddrErrors

TABLE 591 ipSystemStatsInAddrErrors

Object Name	ipSystemStatsInAddrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.9

ipSystemStatsInUnknownProtos

TABLE 592 ipSystemStatsInUnknownProtos

Object Name	ipSystemStatsInUnknownProtos
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.10

ipSystemStatsInTruncatedPkts

TABLE 593 ipSystemStatsInTruncatedPkts

Object Name	ipSystemStatsInTruncatedPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.11

ipSystemStatsInForwDatagrams

TABLE 594 ipSystemStatsInForwDatagrams

Object Name	ipSystemStatsInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.12

ipSystemStatsHCInForwDatagrams

TABLE 595 ipSystemStatsHCInForwDatagrams

Object Name	ipSystemStatsHCInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.13

ipSystemStatsReasmReqds

TABLE 596 ipSystemStatsReasmReqds

Object Name	ipSystemStatsReasmReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.14

ipSystemStatsReasmOKs

TABLE 597 ipSystemStatsReasmOKs

Object Name	ipSystemStatsReasmOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.15

ipSystemStatsReasmFails

TABLE 598 ipSystemStatsReasmFails

Object Name	ipSystemStatsReasmFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.16

ipSystemStatsInDiscards

TABLE 599 ipSystemStatsInDiscards

Object Name	ipSystemStatsInDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.17

ipSystemStatsInDelivers

TABLE 600 ipSystemStatsInDelivers

Object Name	ipSystemStatsInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.18

ipSystemStatsHCInDelivers

TABLE 601 ipSystemStatsHCInDelivers

Object Name	ipSystemStatsHCInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.19

ipSystemStatsOutRequests

TABLE 602 ipSystemStatsOutRequests

Object Name	ipSystemStatsOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.20

ipSystemStatsHCOutRequests

TABLE 603 ipSystemStatsHCOutRequests

Object Name	ipSystemStatsHCOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.21

ipSystemStatsOutNoRoutes

TABLE 604 ipSystemStatsOutNoRoutes

Object Name	ipSystemStatsOutNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.22

ipSystemStatsOutForwDatagrams

TABLE 605 ipSystemStatsOutForwDatagrams

Object Name	ipSystemStatsOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.23

ipSystemStatsHCOutForwDatagrams

TABLE 606 ipSystemStatsHCOutForwDatagrams

Object Name	ipSystemStatsHCOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.24

ipSystemStatsOutDiscards

TABLE 607 ipSystemStatsOutDiscards

Object Name	ipSystemStatsOutDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.25

ipSystemStatsOutFragReqds

TABLE 608 ipSystemStatsOutFragReqds

Object Name	ipSystemStatsOutFragReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.26

ipSystemStatsOutFragOKs

TABLE 609 ipSystemStatsOutFragOKs

Object Name	ipSystemStatsOutFragOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.27

ipSystemStatsOutFragFails

TABLE 610 ipSystemStatsOutFragFails

Object Name	ipSystemStatsOutFragFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.28

ipSystemStatsOutFragCreates

TABLE 611 ipSystemStatsOutFragCreates

Object Name	ipSystemStatsOutFragCreates
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.29

ipSystemStatsOutTransmits

TABLE 612 ipSystemStatsOutTransmits

Object Name	ipSystemStatsOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.30

ipSystemStatsHCOutTransmits

TABLE 613 ipSystemStatsHCOutTransmits

Object Name	ipSystemStatsHCOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.31

ipSystemStatsOutOctets

TABLE 614 ipSystemStatsOutOctets

Object Name	ipSystemStatsOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.32

ipSystemStatsHCOutOctets

TABLE 615 ipSystemStatsHCOutOctets

Object Name	ipSystemStatsHCOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.33

ipSystemStatsInMcastPkts

TABLE 616 ipSystemStatsInMcastPkts

Object Name	ipSystemStatsInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.34

ipSystemStatsHCInMcastPkts

TABLE 617 ipSystemStatsHCInMcastPkts

Object Name	ipSystemStatsHCInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.35

ipSystemStatsInMcastOctets

TABLE 618 ipSystemStatsInMcastOctets

Object Name	ipSystemStatsInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.36

ipSystemStatsHCInMcastOctets

TABLE 619 ipSystemStatsHCInMcastOctets

Object Name	ipSystemStatsHCInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.37

ipSystemStatsOutMcastPkts

TABLE 620 ipSystemStatsOutMcastPkts

Object Name	ipSystemStatsOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.38

ipSystemStatsHCOutMcastPkts

TABLE 621 ipSystemStatsHCOutMcastPkts

Object Name	ipSystemStatsHCOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.39

ipSystemStatsOutMcastOctets

TABLE 622 ipSystemStatsOutMcastOctets

Object Name	ipSystemStatsOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.40

ipSystemStatsHCOutMcastOctets

TABLE 623 ipSystemStatsHCOutMcastOctets

Object Name	ipSystemStatsHCOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.41

ipSystemStatsDiscontinuityTime

TABLE 624 ipSystemStatsDiscontinuityTime

Object Name	ipSystemStatsDiscontinuityTime
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.1.1.46

ipSystemStatsRefreshRate

TABLE 625 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 251	ipIfStatsHCInReceives on page 251	ipIfStatsInOctets on page 251
ipIfStatsHCInOctets on page 251	ipIfStatsInHdrErrors on page 251	ipIfStatsInNoRoutes on page 252
ipIfStatsInAddrErrors on page 252	ipIfStatsInUnknownProtos on page 252	ipIfStatsInTruncatedPkts on page 252
ipIfStatsInForwDatagrams on page 252	ipIfStatsHCInForwDatagrams on page 252	ipIfStatsReasmReqds on page 253
ipIfStatsReasmOKs on page 253	ipIfStatsReasmFails on page 253	ipIfStatsInDiscards on page 253
ipIfStatsInDelivers on page 253	ipIfStatsHCInDelivers on page 253	ipIfStatsOutRequests on page 254
ipIfStatsHCOutRequests on page 254	ipIfStatsOutForwDatagrams on page 254	ipIfStatsHCOutForwDatagrams on page 254
ipIfStatsOutDiscards on page 254	ipIfStatsOutFragReqds on page 254	ipIfStatsOutFragOKs on page 255
ipIfStatsOutFragFails on page 255	ipIfStatsOutFragCreates on page 255	ipIfStatsOutTransmits on page 255
ipIfStatsHCOutTransmits on page 255	ipIfStatsOutOctets on page 255	ipIfStatsHCOutOctets on page 256
ipIfStatsInMcastPkts on page 256	ipIfStatsHCInMcastPkts on page 256	ipIfStatsInMcastOctets on page 256

Object	Object	Object
ipIfStatsHCInMcastOctets on page 256	ipIfStatsOutMcastPkts on page 256	ipIfStatsHCOutMcastPkts on page 257
ipIfStatsOutMcastOctets on page 257	ipIfStatsHCOutMcastOctets on page 257	ipIfStatsDiscontinuityTime on page 257
ipIfStatsRefreshRate on page 257		

ipIfStatsInReceives

TABLE 626 ipIfStatsInReceives

Object Name	ipIfStatsInReceives
Parent Node	ipIfStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.3

ipIfStatsHCInReceives

TABLE 627 ipIfStatsHCInReceives

Object Name	ipIfStatsHCInReceives
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.4

ipIfStatsInOctets

TABLE 628 iipIfStatsInOctets

Object Name	ipIfStatsInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.5

ipIfStatsHCInOctets

TABLE 629 ipIfStatsHCInOctets

Object Name	ipIfStatsHCInOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.6

ipIfStatsInHdrErrors

TABLE 630 iipIfStatsInHdrErrors

Object Name	ipIfStatsInHdrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.7

ipIfStatsInNoRoutes

TABLE 631 ipIfStatsInNoRoutes

Object Name	ipIfStatsInNoRoutes
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.8

ipIfStatsInAddrErrors

TABLE 632 ipIfStatsInAddrErrors

Object Name	ipIfStatsInAddrErrors
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.9

ipIfStatsInUnknownProtos

TABLE 633 ipIfStatsInUnknownProtos

Object Name	ipIfStatsInUnknownProtos
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.10

ipIfStatsInTruncatedPkts

TABLE 634 ipIfStatsInTruncatedPkts

Object Name	ipIfStatsInTruncatedPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.11

ipIfStatsInForwDatagrams

TABLE 635 ipIfStatsInForwDatagrams

Object Name	ipIfStatsInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.12

ipIfStatsHCInForwDatagrams

TABLE 636 ipIfStatsHCInForwDatagrams

Object Name	ipIfStatsHCInForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.13

ipIfStatsReasmReqds

TABLE 637 iipIfStatsReasmReqds

Object Name	ipIfStatsReasmReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.14

ipIfStatsReasmOKs

TABLE 638 ipIfStatsReasmOKs

Object Name	ipIfStatsReasmOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.15

ipIfStatsReasmFails

TABLE 639 ipIfStatsReasmFails

Object Name	ipIfStatsReasmFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.16

ipIfStatsInDiscards

TABLE 640 iipIfStatsInDiscards

Object Name	ipIfStatsInDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.17

ipIfStatsInDelivers

TABLE 641 ipIfStatsInDelivers

Object Name	ipIfStatsInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.18

ipIfStatsHCInDelivers

TABLE 642 ipIfStatsHCInDelivers

Object Name	ipIfStatsHCInDelivers
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.19

ipIfStatsOutRequests

TABLE 643 ipIfStatsOutRequests

Object Name	ipIfStatsOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.20

ipIfStatsHCOutRequests

TABLE 644 ipIfStatsHCOutRequests

Object Name	ipIfStatsHCOutRequests
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.21

ipIfStatsOutForwDatagrams

TABLE 645 iipIfStatsOutForwDatagrams

Object Name	ipIfStatsOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.23

ipIfStatsHCOutForwDatagrams

TABLE 646 ipIfStatsHCOutForwDatagrams

Object Name	ipIfStatsHCOutForwDatagrams
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.24

ipIfStatsOutDiscards

TABLE 647 ipIfStatsOutDiscards

Object Name	ipIfStatsOutDiscards
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.25

ipIfStatsOutFragReqds

TABLE 648 ipIfStatsOutFragReqds

Object Name	ipIfStatsOutFragReqds
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.26

ipIfStatsOutFragOKs

TABLE 649 ipIfStatsOutFragOKs

Object Name	ipIfStatsOutFragOKs
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.27

ipIfStatsOutFragFails

TABLE 650 ipIfStatsOutFragFails

Object Name	ipIfStatsOutFragFails
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.28

ipIfStatsOutFragCreates

TABLE 651 ipIfStatsOutFragCreates

Object Name	ipIfStatsOutFragCreates
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.29

ipIfStatsOutTransmits

TABLE 652 ipIfStatsOutTransmits

Object Name	ipIfStatsOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.30

ipIfStatsHCOutTransmits

TABLE 653 ipIfStatsHCOutTransmits

Object Name	ipIfStatsHCOutTransmits
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.31

ipIfStatsOutOctets

TABLE 654 ipIfStatsOutOctets

Object Name	ipIfStatsOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.32

ipIfStatsHCOutOctets

TABLE 655 ipIfStatsHCOutOctets

Object Name	ipIfStatsHCOutOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.33

ipIfStatsInMcastPkts

TABLE 656 ipIfStatsInMcastPkts

Object Name	ipIfStatsInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.34

ipIfStatsHCInMcastPkts

TABLE 657 ipIfStatsHCInMcastPkts

Object Name	ipIfStatsHCInMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.35

ipIfStatsInMcastOctets

TABLE 658 ipIfStatsInMcastOctets

Object Name	ipIfStatsInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.36

ipIfStatsHCInMcastOctets

TABLE 659 ipIfStatsHCInMcastOctets

Object Name	ipIfStatsHCInMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.37

ipIfStatsOutMcastPkts

TABLE 660 ipIfStatsOutMcastPkts

Object Name	ipIfStatsOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.38

ipIfStatsHCOutMcastPkts

TABLE 661 ipIfStatsHCOutMcastPkts

Object Name	ipIfStatsHCOutMcastPkts
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.39

ipIfStatsOutMcastOctets

TABLE 662 ipIfStatsOutMcastOctets

Object Name	ipIfStatsOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.40

ipIfStatsHCOutMcastOctets

TABLE 663 ipIfStatsHCOutMcastOctets

Object Name	ipIfStatsHCOutMcastOctets
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.41

ipIfStatsDiscontinuityTime

TABLE 664 ipIfStatsDiscontinuityTime

Object Name	ipIfStatsDiscontinuityTime
Parent Node	ipSystemStatsTable
Object Identifier	.1.3.6.1.2.1.4.31.3.1.46

ipIfStatsRefreshRate

TABLE 665 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 258
- ipAddressPrefixOnLinkFlag on page 258
- ipAddressPrefixAutonomousFlag on page 258
- ipAddressPrefixAdvPreferredLifetime on page 258
- ipAddressPrefixAdvValidLifetime on page 258

ipAddressPrefixOrigin

TABLE 666 ipAddressPrefixOrigin

Object Name	ipAddressPrefixOrigin
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.5

ipAddressPrefixOnLinkFlag

TABLE 667 ipAddressPrefixOnLinkFlag

Object Name	ipAddressPrefixOnLinkFlag
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.6

ipAddressPrefixAutonomousFlag

TABLE 668 ipAddressPrefixAutonomousFlag

Object Name	ipAddressPrefixAutonomousFlag
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.7

ipAddressPrefixAdvPreferredLifetime

TABLE 669 ipAddressPrefixAdvPreferredLifetime

Object Name	ipAddressPrefixAdvPreferredLifetime
Parent Node	ipAddressPrefixTable
Object Identifier	.1.3.6.1.2.1.4.32.1.8

ipAddressPrefixAdvValidLifetime

TABLE 670 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 259
- ipAddressType on page 259
- ipAddressPrefix on page 259
- ipAddressOrigin on page 259
- ipAddressStatus on page 259

- ipAddressCreated on page 260
- ipAddressLastChanged on page 260
- ipAddressRowStatus on page 260
- ipAddressStorageType on page 260

ipAddressIfIndex

TABLE 671 ipAddressIfIndex

Object Name	ipAddressIfIndex
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.3

ipAddressType

TABLE 672 ipAddressType

Object Name	ipAddressType
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.4

ipAddressPrefix

TABLE 673 ipAddressPrefix

Object Name	ipAddressPrefix
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.5

ipAddressOrigin

TABLE 674 ipAddressOrigin

Object Name	ipAddressOrigin
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.6

ipAddressStatus

TABLE 675 ipAddressStatus

Object Name	ipAddressStatus
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.7

ipAddressCreated

TABLE 676 ipAddressCreated

Object Name	ipAddressCreated
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.8

ipAddressLastChanged

TABLE 677 ipAddressLastChanged

Object Name	ipAddressLastChanged
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.9

ipAddressRowStatus

TABLE 678 ipAddressRowStatus

Object Name	ipAddressRowStatus
Parent Node	ipAddressTable
Object Identifier	.1.3.6.1.2.1.4.34.1.10

ipAddressStorageType

TABLE 679 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 260
- ipNetToPhysicalLastUpdated on page 261
- ipNetToPhysicalRowStatus on page 261
- ipNetToPhysicalState on page 261
- ipNetToPhysicalType on page 261

ipNetToPhysicalPhysAddress

TABLE 680 ipNetToPhysicalPhysAddress

Object Name	ipNetToPhysicalPhysAddress
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.4

ipNetToPhysicalLastUpdated

TABLE 681 ipNetToPhysicalLastUpdated

Object Name	ipNetToPhysicalLastUpdated
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.5

ipNetToPhysicalRowStatus

TABLE 682 ipNetToPhysicalRowStatus

Object Name	ipNetToPhysicalRowStatus
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.6

ipNetToPhysicalState

TABLE 683 ipNetToPhysicalState

Object Name	ipNetToPhysicalState
Parent Node	ipNetToPhysicalTable
Object Identifier	.1.3.6.1.2.1.4.35.1.7

ipNetToPhysicalType

TABLE 684 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

TABLE 685 ipv6ScopeZoneIndexLinkLocal

Object Name	ipv6ScopeZoneIndexLinkLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.2

ipv6ScopeZoneIndex3

TABLE 686 ipv6ScopeZoneIndex3

Object Name	ipv6ScopeZoneIndex3
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.3

ipv6ScopeZoneIndexAdminLocal

TABLE 687 ipv6ScopeZoneIndexAdminLocal

Object Name	ipv6ScopeZoneIndexAdminLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.4

ipv6ScopeZoneIndexSiteLocal

TABLE 688 ipv6ScopeZoneIndexSiteLocal

Object Name	ipv6ScopeZoneIndexSiteLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.5

ipv6ScopeZoneIndex6

TABLE 689 ipv6ScopeZoneIndex6

Object Name	ipv6ScopeZoneIndex6
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.6

ipv6ScopeZoneIndex7

TABLE 690 ipv6ScopeZoneIndex7

Object Name	ipv6ScopeZoneIndex7
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.7

ipv6ScopeZoneIndexOrganizationLocal

TABLE 691 ipv6ScopeZoneIndexOrganizationLocal

Object Name	ipv6ScopeZoneIndexOrganizationLocal
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.8

ipv6ScopeZoneIndex9

TABLE 692 ipv6ScopeZoneIndex9

Object Name	ipv6ScopeZoneIndex9
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.9

ipv6ScopeZoneIndexA

TABLE 693 ipv6ScopeZoneIndexA

Object Name	ipv6ScopeZoneIndexA
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.10

ipv6ScopeZoneIndexB

TABLE 694 ipv6ScopeZoneIndexB

Object Name	ipv6ScopeZoneIndexB
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.11

ipv6ScopeZoneIndexC

TABLE 695 ipv6ScopeZoneIndexC

Object Name	ipv6ScopeZoneIndexC
Parent Node	ipv6ScopeZoneIndexTable
Object Identifier	.1.3.6.1.2.1.4.36.1.12

ipv6ScopeZoneIndexD

TABLE 696 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

TABLE 697 icmpStatsInMsgs

Object Name	icmpStatsInMsgs
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.2

icmpStatsInErrors

TABLE 698 icmpStatsInErrors

Object Name	icmpStatsInErrors
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.3

icmpStatsOutMsgs

TABLE 699 icmpStatsOutMsgs

Object Name	icmpStatsOutMsgs
Parent Node	icmpStatsTable
Object Identifier	.1.3.6.1.2.1.5.29.1.4

icmpStatsOutErrors

TABLE 700 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

TABLE 701 icmpMsgStatsInPkts

Object Name	icmpMsgStatsInPkts
Parent Node	icmpMsgStatsTable
Object Identifier	.1.3.6.1.2.1.5.30.1.3

icmpMsgStatsOutPkts

TABLE 702 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 265

tcpListenerProcess

TABLE 703 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 265
- tcpConnectionProcess on page 266

tcpConnectionState

TABLE 704 tcpConnectionState

Object Name	tcpConnectionState
Parent Node	tcpConnectionTable
Object Identifier	.1.3.6.1.2.1.6.19.1.7

tcpConnectionProcess

TABLE 705 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 266

udpEndpointProcess

TABLE 706 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 266
- ipv6DefaultHopLimit on page 266
- ipv6Interfaces on page 267

ipv6Forwarding

TABLE 707 ipv6Forwarding

Object Name	ipv6Forwarding
Object Identifier	.1.3.6.1.2.1.55.1.1

ipv6DefaultHopLimit

TABLE 708 ipv6DefaultHopLimit

Object Name	ipv6DefaultHopLimit
Object Identifier	.1.3.6.1.2.1.55.1.2

ipv6Interfaces

TABLE 709 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 267
- ipv6IfLowerLayer on page 267
- ipv6IfPhysicalAddress on page 267
- ipv6IfPhysicalAddress on page 267
- ipv6IfAdminStatus on page 268
- ipv6IfOperStatus on page 268

ipv6IfDescr

TABLE 710 ipv6IfDescr

Object Name	ipv6IfDescr
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.2

ipv6IfLowerLayer

TABLE 711 ipv6IfLowerLayer

Object Name	ipv6IfLowerLayer
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.3

ipv6IfPhysicalAddress

TABLE 712 ipv6IfPhysicalAddress

Object Name	ipv6IfPhysicalAddress
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.4

ipv6IfPhysicalAddress

TABLE 713 ipv6IfPhysicalAddress

Object Name	ipv6IfPhysicalAddress
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.8

ipv6IfAdminStatus

TABLE 714 ipv6IfAdminStatus

Object Name	ipv6IfAdminStatus
Parent Node	ipv6IfTable
Object Identifier	.1.3.6.1.2.1.55.1.5.1.9

ipv6IfOperStatus

TABLE 715 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 59
- Object Identifier -.1.3.6.1.4.1.25053.2.11.1.1

Event	Event	Event
0:Unknown	508:dpIPChanged	509:dpChangeControlBlade
516:dpPktPoolLow	517:dpPktPoolCriticalLow	518:dpPktPoolRecover
519:dpCoreDead	520:dpProcessRestart	618:dpDhcpRelayNoResp
619:dpDhcpRelayFailOver	623:dpDhcpRelayRespRecovery	725:scgLBSStartLocationService
727:scgLBSSentControllerInfo	728:scgLBSRcvdMgmtRequest	729:scgLBSSendAPInfobyVenueReport
730:scgLBSSendVenuesReport	731:scgLBSSendClientInfo	732:scgLBSFwdPassiveCalReq
733:scgLBSFwdPassiveFFReq	734:scgLBSRcvdUnrecognizedRequest	770:planeLoadingRebalancingSucceeded
771:planeLoadingRebalancingFailed	801:clusterCreatedSuccess	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	970:ftpTransfer
980:fileUpload	981:mailSendSuccess	982:mailSendFailed
983:smsSendSuccess	984:smsSendFailed	1007:cfgUpdSuccess
1012:incorrectFlatFileCfg	1209:c2dCfgFailed	1237:delAllSess
1254:licenseImported	1255:licenseGoingToExpire	1256:apConnectionTerminatedDueToInsufficientLicense
1300:rateLimitThresholdSurpassed	1301:rateLimitThresholdRestored	1641:dmRcvdAAA
1642:dmNackSntAAA	1643:dmSntNAS	1644:dmNackRcvdNAS
1645:coaRcvdAAA	1646:coaNackSntAAA	1647:coaSentNas
1648:coaNakRcvdNas	1649:coaAuthorizeOnlyAccessReject	1650:coaRWSGMWSGNotifFailure
1651:authFailedOverToSecondary	1652:authFallbackToPrimary	1751:racADLDAPSuccess
1752:racADLDAPFail	1753:racADLDAPBindFail	1754:racLDAPFailToFindPassword
1755:racADNPSFail	1756:racADNPSFailToAuthenticate	2001:zdAPMigrating
2002:zdAPMigrated	2003:zdAPRejected	2501:nodeIPv6Added
2502:nodeIPv6Deleted	2004:zdAPMigrationFailed	3001:cassandraError
7001:tooManyUsers	7002:tooManyDevices	

ruckusSZAPMiscEventTrap

- Object Name - ruckusSZAPMiscEventTrap on page 63
- Object Identifier -.1.3.6.1.4.1.25053.2.11.1.20

Event	Event	Event
108:apFirmwareApplying	109:apConfApplying	116:apIllgalToChangeCountryCode
180:genericRogueAPDetected	304:apIPChanged	306:apChannelChanged
307:apCountryCodeChanged	308:apDfsRadarEvent	311:apChangeControlBlade
315:apTaggedAsCritical	317:apBrownout	319:smartMonitorTurnOffWLAN
320:apCLBlimitReached	321:apCLBlimitRecovered	322:apWLANStateChanged
323:apCapacityReached	324:apCapacityRecovered	405:emapDlinkConnectWithMap
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

ruckusSZClientMiscEventTrap

- Object Name - ruckusSZClientMiscEventTrap on page 96
- 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	218:smartRoamDisconnect	219:clientBlockByDeviceType
220:clientGracePeriod	221:onboardingRegistrationSuccess	222:onboardingRegistrationFailure
223:remediationSuccess	224:remediationFailure	225:forceDHCPDisconnect
226:wdsDeviceJoin	227:wdsDeviceLeave	

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.

      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
```

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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