



Ruckus Wireless™ ZoneDirector™

Release 9.8 SNMP Reference Guide

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Contents

About This Guide

Document Conventions	7
Related Documentation	8
Documentation Feedback	8

1 Events and Traps

Event MIBs Overview	10
ZoneDirector Event MIB Group	10
ruckusZDEventAPJoinTrap	10
ruckusZDEventSSIDSpooftTrap	11
ruckusZDEventMACSpooftTrap	11
ruckusZDEventRogueAPTrap	12
ruckusZDEventAPLostTrap	12
ruckusZDEventAPLostHeartbeatTrap	13
ruckusZDEventClientAuthFailBlockTrap	13
ruckusZDEventAPResetTrap	14
ruckusZDEventIPChangeTrap	15
ruckusZDEventSystemColdStartTrap	15
ruckusZDEventAPChannelChangeTrap	16
ruckusZDEventRadiusAuthUnavailableTrap	16
ruckusZDEventRadiusAcctUnavailableTrap	17
ruckusZDEventClientJoinFailAPBusyTrap	17
ruckusZDEventInterferenceADHoc	18
ruckusZDEventImageUpgradeFailTrap	19
ruckusZDEventHeartbeatTrap	19
ruckusZDEventAttackedTrap	20
ruckusZDEventSystemWarmStartTrap	20
ruckusZDEventInterfereAPTrap	21
ruckusZDEventAPSystemColdStartTrap	21
ruckusZDEventAPSystemWarmStartTrap	22
ruckusZDEventAPSSIDChangedTrap	22
ruckusZDEventAPClientExceedValve	23
ruckusZDEventAPAvailableStatusTrap	23
ruckusZDEventAPWirelessInterfaceFaultTrap	24

ruckusZDEventSystemCpuUtilExceedValve	25
ruckusZDEventSystemMemUtilExceedValve	25
ruckusZDEventSystemBandwidthUtilExceedValve	26
ruckusZDEventSystemDropPacketRateExceedValve	26
ruckusZDEventAPSyncTimeFail	27
ruckusZDEventSystemCpuUtilClrWarn	27
ruckusZDEventSystemMemUtilClrwarn	28
ruckusZDEventClientJoin	29
ruckusZDEventClientJoinFailed	29
ruckusZDEventClientJoinFailedAPBusy	30
ruckusZDEventClientDisconnect	31
ruckusZDEventClientRoamOut	31
ruckusZDEventClientRoamIn	32
ruckusZDEventClientAuthFailed	33
ruckusZDEventClientAuthorizationFailed	33
ruckusZDEventAPCPUvalve	34
ruckusZDEventAPMEMvalve	34
ruckusZDEventAPCPUvalveClrwarn	35
ruckusZDEventAPMEMvalveClrwarn	36
ruckusZDEventAPNumStaExceedValveClrwarn	36
ruckusZDEventDhcpPoolFull	37
ruckusZDEventDhcpPoolAbun	37
ruckusZDEventSmartRedundancyChangetoActive	38
ruckusZDEventSmartRedundancyActiveConnected	38
ruckusZDEventSmartRedundancyActiveDisconnected	38
ruckusZDEventSmartRedundancyStandbyConnected	39
ruckusZDEventSmartRedundancyStandbyDisconnected	39
Ruckus ZD Event Objects	40
ruckusZDEventSerial	40
ruckusZDEventNEID	40
ruckusZDEventSeverity	40
ruckusZDEventType	40
ruckusZDEventTime	41
ruckusZDEventStatus	41
ruckusZDEventTitle	41
ruckusZDEventContent	41
ruckusZDEventClientMacAddr	42
ruckusZDEventAPMacAddr	42
ruckusZDEventRogueMacAddr	42

ruckusZDEventSSID	42
ruckusZDEventChannel	43
ruckusZDEventReason	43
ruckusZDEventIpAddr	43
AP and Client Event MIB Group	44
AP/Client Event Traps	44
ruckusEventAssocTrap	44
ruckusEventDiassocTrap	44
ruckusEventSetErrorTrap	44
ruckusEventConnectTrap	45
ruckusEventDisconnectTrap	45
AP/Client Event Objects	46
ruckusEventClientMacAddr	46
ruckusEventSetErrorOID	46
2 ZoneDirector System MIBs	
ZoneDirector System MIBs Overview	48
System Info MIBs	48
Expanded System Info MIBs	49
System IP Table MIBs	51
System Services MIBs	52
System Load Balancing Info MIBs	55
System Statistics MIBs	56
ZD Ethernet Info MIBs	58
3 Ruckus Product MIBs	
Ruckus Product MIBs Overview	62
Ruckus Wireless Router Product MIBs	62
Ruckus Wireless Adapter Product MIBs	62
Ruckus Wireless Metro Product MIBs	63
Ruckus Wireless Hotzone Product MIBs	63
Ruckus Controller Product MIBs	66
4 ZoneDirector WLAN Configuration MIBs	
ZoneDirector WLAN Configuration MIBs Overview	70
WLAN Configuration MIBs	70
5 ZoneDirector AAA Configuration MIBs	
ZoneDirector AAA Configuration MIBs Overview	82

6 ZoneDirector AP Configuration MIBs

ZoneDirector AP Configuration MIBs Overview	86
AP Configuration MIBs	86

7 Appendix - Changes in This Version

MIB Changes in 9.8	91
ZoneDirector SNMP MIB Changes	91
ZD System MIB Changes	91
ZD Products MIB Changes	91

About This Guide

This *User Guide* provides information on the Ruckus Wireless™ ZoneDirector Simple Network Management Protocol Management Information Base (MIBs) that ZoneDirector supports.

NOTE For information on how to enable SNMP trap delivery and configure other SNMP settings on the ZoneDirector Web interface, refer to the ZoneDirector User Guide.

Most user guides and release notes are available in Adobe Acrobat Reader Portable Document Format (PDF) or HTML on the Ruckus Wireless Support Web site at

<https://support.ruckuswireless.com/documents>.

Document Conventions

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

Table 1. Text conventions

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

Table 2. Notice conventions

Notice Type	Description
NOTE	Information that describes important features or instructions

Table 2. Notice conventions

Notice Type	Description
CAUTION!	Information that alerts you to potential loss of data or potential damage to an application, system, or device
WARNING!	Information that alerts you to potential personal injury

Related Documentation

In addition to this *Reference Guide*, each ZoneDirector documentation set includes the following:

- *User Guide*: Provides instructions for setup, configuration and management of ZoneDirector and ZoneFlex access points.
- *Online Help*: Provides instructions for performing tasks using the ZoneDirector Web interface. The online help is accessible from the Web interface and is searchable.
- *Release Notes*: Provide information about the current software release, including new features, enhancements, and known issues.

Documentation Feedback

Ruckus Wireless is interested in improving its documentation and welcomes your comments and suggestions. You can email your comments to Ruckus Wireless at:

docs@ruckuswireless.com

When contacting us, please include the following information:

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

For example:

- ZoneDirector 9.8 SNMP Reference Guide
- Part number: 800-70605-001 Revision A
- Page 88

Events and Traps

1

In this chapter:

- [Event MIBs Overview](#)
- [ZoneDirector Event MIB Group](#)
- [Ruckus ZD Event Objects](#)
- [AP and Client Event MIB Group](#)

Event MIBs Overview

This section describes ZoneDirector and AP events and traps that are triggered when an event occurs, along with possible causes for the event and recommended actions to take (if any).

The MIBs described in this section are contained in the RUCKUS-ZD-EVENT-MIB.txt file. This section is divided into the following subsections:

- [ZoneDirector Event MIB Group](#)
- [Ruckus ZD Event Objects](#)
- [AP and Client Event MIB Group](#)

ZoneDirector Event MIB Group

The ruckusZDEventTraps MIB tree contains events that trigger SNMP traps to be delivered to an SNMP receiver.

ruckusZDEventAPJoinTrap

Name	ruckusZDEventAPJoinTrap
OID	1.3.6.1.4.1.25053.2.2.1.1
Severity	Minor
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventAPMacAddr
Description	Trigger when there is an AP join event. The AP's MAC address is enclosed.
Recommended Actions	None

ruckusZDEventSSIDSpooftap

Name	ruckusZDEventSSIDSpooftap
OID	1.3.6.1.4.1.25053.2.2.1.2
Severity	Major
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventSSID
Description	Trigger when a SSID-spoofing rogue AP is detected. The rogue AP's MAC address and SSID are enclosed.
Recommended Actions	Locate the Rogue AP and disconnect it from the network.

ruckusZDEventMACSpooftap

Name	ruckusZDEventMACSpooftap
OID	1.3.6.1.4.1.25053.2.2.1.3
Severity	Major
Status	current
Objects	ruckusZDEventSerial, ruckusZDEventNEID, ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventSSID

Description Trigger when a MAC-spoofing rogue AP is detected.
The rogue AP's MAC address and SSID are enclosed.

Recommended Actions
Locate the Rogue AP and disconnect it from the network.

ruckusZDEventRogueAPTrap

Name ruckusZDEventRogueAPTrap

OID 1.3.6.1.4.1.25053.2.2.1.4

Severity Major

Status current

Objects ruckusZDEventSerial,
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventSSID

Description Trigger when a rogue AP is detected.
The rogue AP's MAC address and SSID are enclosed.

Recommended Actions
Locate the Rogue AP and disconnect it from the network.

ruckusZDEventAPLostTrap

Name ruckusZDEventAPLostTrap

OID 1.3.6.1.4.1.25053.2.2.1.5

Severity Medium

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType

ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventAPMacAddr
Description Trigger when AP lost contact.
The AP's MAC address is enclosed.

Recommended Actions
Ensure that the AP's uplink connection (wired or mesh) is available.

ruckusZDEventAPLostHeartbeatTrap

Name ruckusZDEventAPLostHeartbeatTrap
OID 1.3.6.1.4.1.25053.2.2.1.6
Severity Medium
Status Current
Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventAPMacAddr
Description Trigger when AP lost heartbeats.
The AP's MAC address is enclosed.

Recommended Actions
Check connection stability between ZD and AP.

ruckusZDEventClientAuthFailBlockTrap

Name ruckusZDEventClientAuthFailBlockTrap
OID 1.3.6.1.4.1.25053.2.2.1.7
Severity Medium

Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr ruckusZDEventAPMacAddr ruckusZDEventSSID
Description	Triggered when a client fails authentication too many times in a row. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	Ensure that the client has proper authentication credentials.

ruckusZDEventAPResetTrap

Name	ruckusZDEventAPResetTrap
OID	1.3.6.1.4.1.25053.2.2.1.8
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr

Description Trigger when AP reboots.
 The AP's MAC address is enclosed.

Recommended Actions
 None.

ruckusZDEventIPChangeTrap

Name ruckusZDEventIPChangeTrap

OID 1.3.6.1.4.1.25053.2.2.1.9

Severity Medium

Status current

Objects ruckusZDEventSerial
 ruckusZDEventNEID
 ruckusZDEventSeverity
 ruckusZDEventType
 ruckusZDEventTime
 ruckusZDEventStatus
 ruckusZDEventTitle
 ruckusZDEventContent

Description Trigger when IP changes.

Recommended Actions
 None.

ruckusZDEventSystemColdStartTrap

Name ruckusZDEventSystemColdStartTrap

OID 1.3.6.1.4.1.25053.2.2.1.10

Severity Major

Status current

Objects ruckusZDEventSerial
 ruckusZDEventNEID
 ruckusZDEventSeverity
 ruckusZDEventType
 ruckusZDEventTime

ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent
Description Trigger when system performs cold start.
Recommended Actions
None.

ruckusZDEventAPChannelChangeTrap

Name ruckusZDEventAPChannelChangeTrap
OID 1.3.6.1.4.1.25053.2.2.1.11
Severity Minor
Status current
Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent,
ruckusZDEventAPMacAddr
Description Trigger when AP channel changes.
Recommended Actions
None.

ruckusZDEventRadiusAuthUnavailableTrap

Name ruckusZDEventRadiusAuthUnavailableTrap
OID 1.3.6.1.4.1.25053.2.2.1.12
Severity Major
Status current
Objects ruckusZDEventSerial
ruckusZDEventNEID

	ruckusZDEventSeverity
	ruckusZDEventType
	ruckusZDEventTime
	ruckusZDEventStatus
	ruckusZDEventTitle
	ruckusZDEventContent
Description	Trigger when RADIUS authentication server unavailable.
Recommended Actions	Check the connectivity between ZoneDirector and the RADIUS server.

ruckusZDEventRadiusAcctUnavailableTrap

Name	ruckusZDEventRadiusAcctUnavailableTrap
OID	1.3.6.1.4.1.25053.2.2.1.13
Severity	Major
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when RADIUS accounting server unavailable.
Recommended Actions	Check the connectivity between ZoneDirector and the RADIUS server.

ruckusZDEventClientJoinFailAPBusyTrap

Name	ruckusZDEventClientJoinFailAPBusyTrap
OID	1.3.6.1.4.1.25053.2.2.1.14

Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when client fails to join because AP is busy.
Recommended Actions	None.

ruckusZDEventInterferenceADHoc

Name	ruckusZDEventInterferenceADHoc
OID	1.3.6.1.4.1.25053.2.2.1.15
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when an interference AD hoc is detected.
Recommended Actions	Locate the origin of the ad hoc network and disconnect it.

ruckusZDEventImageUpgradeFailTrap

Name ruckusZDEventImageUpgradeFailTrap

OID 1.3.6.1.4.1.25053.2.2.1.16

Severity Medium

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent

Description Trigger when AP image upgrade fails.

Recommended Actions

Delete the AP from ZoneDirector, factory reset the AP, then let it rejoin and attempt upgrade again.

ruckusZDEventHeartbeatTrap

Name ruckusZDEventHeartbeatTrap

OID 1.3.6.1.4.1.25053.2.2.1.22

Severity Medium

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent

Description Trigger with trap heartbeat sent.

Recommended Actions

None.

ruckusZDEventAttackedTrap

Name ruckusZDEventAttackedTrap

OID 1.3.6.1.4.1.25053.2.2.1.24

Severity Major

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent

Description Trigger when a malicious attack is detected.

Recommended Actions

Enable Wireless Intrusion Prevention System from the Configure > WIPS page.

ruckusZDEventSystemWarmStartTrap

Name ruckusZDEventSystemWarmStartTrap

OID 1.3.6.1.4.1.25053.2.2.1.25

Severity Medium

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus

	ruckusZDEventTitle
	ruckusZDEventContent
Description	Trigger when system performs warm start.
Recommended Actions	None.

ruckusZDEventInterfereAPTrap

Name	ruckusZDEventInterfereAPTrap
OID	1.3.6.1.4.1.25053.2.2.1.26
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when a rogue AP used same channel with current AP is detected.
Recommended Actions	Locate the rogue AP and disconnect it from the network.

ruckusZDEventAPSystemColdStartTrap

Name	ruckusZDEventAPSystemColdStartTrap
OID	1.3.6.1.4.1.25053.2.2.1.31
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity

	ruckusZDEventType
	ruckusZDEventTime
	ruckusZDEventStatus
	ruckusZDEventTitle
	ruckusZDEventContent
Description	Trigger when an AP performs cold start.
Recommended Actions	None.

ruckusZDEventAPSystemWarmStartTrap

Name	ruckusZDEventAPSystemWarmStartTrap
OID	1.3.6.1.4.1.25053.2.2.1.32
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when an AP performs warm start.
Recommended Actions	None.

ruckusZDEventAPSSIDChangedTrap

Name	ruckusZDEventAPSSIDChangedTrap
OID	1.3.6.1.4.1.25053.2.2.1.33
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial

	ruckusZDEventNEID
	ruckusZDEventSeverity
	ruckusZDEventType
	ruckusZDEventTime
	ruckusZDEventStatus
	ruckusZDEventTitle
	ruckusZDEventContent
Description	Trigger when an AP SSID changed.
Recommended Actions	None.

ruckusZDEventAPClientExceedValve

Name	ruckusZDEventAPClientExceedValve
OID	1.3.6.1.4.1.25053.2.2.1.34
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr
Description	Trigger when online client from AP is exceed valve.
Recommended Actions	Reduce clients per AP.

ruckusZDEventAPAvailableStatusTrap

Name	ruckusZDEventAPAvailableStatusTrap
OID	1.3.6.1.4.1.25053.2.2.1.35

Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when AP is available.
Recommended Actions	None.

ruckusZDEventAPWirelessInterfaceFaultTrap

Name	ruckusZDEventAPWirelessInterfaceFaultTrap
OID	1.3.6.1.4.1.25053.2.2.1.36
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when AP wireless interface fault occurs.
Recommended Actions	Reboot the AP.

ruckusZDEventSystemCpuUtilExceedValve

Name	ruckusZDEventSystemCpuUtilExceedValve
OID	1.3.6.1.4.1.25053.2.2.1.37
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when System CPU utilization exceeds specified value.

Recommended Actions

Identify the source of high CPU utilization (clear log files, disable debugging processes, disable Real Time Monitoring, etc.).

ruckusZDEventSystemMemUtilExceedValve

Name	ruckusZDEventSystemMemUtilExceedValve
OID	1.3.6.1.4.1.25053.2.2.1.38
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle

	ruckusZDEventContent
Description	Trigger when system memory utilization exceeds specified value.
Recommended Actions	Identify the source of high memory utilization (clear log files, disable debugging processes, disable Real Time Monitoring, etc.).

ruckusZDEventSystemBandwidthUtilExceedValve

Name	ruckusZDEventSystemBandwidthUtilExceedValve
OID	1.3.6.1.4.1.25053.2.2.1.39
Severity	Medium
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when system bandwidth utilization is exceed valve.
Recommended Actions	Reduce bandwidth utilization or increase bandwidth capacity.

ruckusZDEventSystemDropPacketRateExceedValve

Name	ruckusZDEventSystemDropPacketRateExceedValve
OID	1.3.6.1.4.1.25053.2.2.1.40
Severity	Medium
Status	current
Objects	ruckusZDEventSerial

	ruckusZDEventNEID
	ruckusZDEventSeverity
	ruckusZDEventType
	ruckusZDEventTime
	ruckusZDEventStatus
	ruckusZDEventTitle
	ruckusZDEventContent
Description	Trigger when system drop packet rate exceeds specified value.
Recommended Actions	None.

ruckusZDEventAPSyncTimeFail

Name	ruckusZDEventAPSyncTimeFail
OID	1.3.6.1.4.1.25053.2.2.1.41
Severity	Medium
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when AP clock synchronization with controller fails.
Recommended Actions	None.

ruckusZDEventSystemCpuUtilClrWarn

Name	ruckusZDEventSystemCpuUtilClrWarn
OID	1.3.6.1.4.1.25053.2.2.1.42

Severit	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when system CPU utilization is under the specified value.
Recommended Actions	None.

ruckusZDEventSystemMemUtilClrwarn

Name	ruckusZDEventSystemMemUtilClrwarn
OID	1.3.6.1.4.1.25053.2.2.1.43
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent
Description	Trigger when system memory utilization is under the specified value.
Recommended Actions	None.

ruckusZDEventClientJoin

Name	ruckusZDEventClientJoin
OID	1.3.6.1.4.1.25053.2.2.1.60
Severity	Minor
Status	current
Objects	ruckusZDEventSerial, ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr, ruckusZDEventAPMacAddr, ruckusZDEventSSID
Description	Triggered when a client joins an AP successfully. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	None

ruckusZDEventClientJoinFailed

Name	ruckusZDEventClientJoinFailed
OID	1.3.6.1.4.1.25053.2.2.1.61
Severity	Medium
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus

	ruckusZDEventTitle
	ruckusZDEventClientMacAddr
	ruckusZDEventAPMacAddr
	ruckusZDEventSSID
	ruckusZDEventReason
Description	Triggered when a client attempt to join an AP fails. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	Examine trap contents to determine cause of client join failure.

ruckusZDEventClientJoinFailedAPBusy

Name	ruckusZDEventClientJoinFailedAPBusy
OID	1.3.6.1.4.1.25053.2.2.1.62
Severity	Medium
Status	current
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr ruckusZDEventAPMacAddr ruckusZDEventSSID
Description	Trigger when a client attempt to join an AP fails because AP is too busy. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	

None

ruckusZDEventClientDisconnect

Name ruckusZDEventClientDisconnect

OID 1.3.6.1.4.1.25053.2.2.1.63

Severity Medium

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventClientMacAddr
ruckusZDEventAPMacAddr
ruckusZDEventSSID

Description Triggered when a client disconnect from AP.
The client's MAC address, AP's MAC address and SSID are enclosed.

Recommended Actions
None

ruckusZDEventClientRoamOut

Name ruckusZDEventClientRoamOut

OID 1.3.6.1.4.1.25053.2.2.1.64

Severity Minor

Status current

Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType

	ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr, ruckusZDEventAPMacAddr ruckusZDEventSSID
Description	Triggered when a client roams out from AP. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	None

ruckusZDEventClientRoamIn

Name	ruckusZDEventClientRoamIn
OID	1.3.6.1.4.1.25053.2.2.1.65
Status	current
Severity	Minor
Objects	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr ruckusZDEventAPMacAddr ruckusZDEventSSID
Description	Triggered when a client roams in from AP. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	None

ruckusZDEventClientAuthFailed

Name	ruckusZDEventClientAuthFailed
OID	1.3.6.1.4.1.25053.2.2.1.66
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventClientMacAddr ruckusZDEventAPMacAddr ruckusZDEventSSID ruckusZDEventReason
Description	Triggered when a client authentication failure occurs. The failure reason, client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	Check the client authentication credentials.

ruckusZDEventClientAuthorizationFailed

Name	ruckusZDEventClientAuthorizationFailed
OID	1.3.6.1.4.1.25053.2.2.1.67
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime

	ruckusZDEventStatus
	ruckusZDEventTitle
	ruckusZDEventClientMacAddr
	ruckusZDEventAPMacAddr
	ruckusZDEventSSID
Description	Triggered when a client has no authorization to join an AP. The client's MAC address, AP's MAC address and SSID are enclosed.
Recommended Actions	None

ruckusZDEventAPCPUvalve

Name	ruckusZDEventAPCPUvalve
OID	1.3.6.1.4.1.25053.2.2.1.83
Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr
Description	Triggered when AP CPU utilization exceeds value.
Recommended Actions	None

ruckusZDEventAPMEMvalve

Name	ruckusZDEventAPMEMvalve
OID	1.3.6.1.4.1.25053.2.2.1.84

Severity	Medium
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr
Description	Triggered when AP memory utilization exceeds value.
Recommended Actions	None

ruckusZDEventAPCPUvalveClrwarn

Name	ruckusZDEventAPCPUvalveClrwarn
OID	1.3.6.1.4.1.25053.2.2.1.85
Severity	Minor
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr
Description	Trigger when AP CPU utilization is under the value.
Recommended Actions	None

ruckusZDEventAPMEMvalveClrwarn

Name	ruckusZDEventAPMEMvalveClrwarn
OID	1.3.6.1.4.1.25053.2.2.1.86
Severity	Minor
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent ruckusZDEventAPMacAddr
Description	Trigger when AP CPU memory is under the value.
Recommended Actions	None

ruckusZDEventAPNumStaExceedValveClrwarn

Name	ruckusZDEventAPNumStaExceedValveClrwarn
OID	1.3.6.1.4.1.25053.2.2.1.87
Severity	Minor
Status	current
<i>Objects</i>	ruckusZDEventSerial ruckusZDEventNEID ruckusZDEventSeverity ruckusZDEventType ruckusZDEventTime ruckusZDEventStatus ruckusZDEventTitle ruckusZDEventContent

ruckusZDEventAPMacAddr
Description Trigger when online client warning is cleared.
Recommended Actions
None

ruckusZDEventDhcpPoolFull

Name ruckusZDEventDhcpPoolFull
OID 1.3.6.1.4.1.25053.2.2.1.88
Severity Medium
Status current
Objects ruckusZDEventSerial
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime
ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent
Description Trigger when DHCP pool is full.
Recommended Actions
None

ruckusZDEventDhcpPoolAbun

Name ruckusZDEventDhcpPoolAbun
OID 1.3.6.1.4.1.25053.2.2.1.89
Severity Minor
Status current
Objects ruckusZDEventSerial,
ruckusZDEventNEID
ruckusZDEventSeverity
ruckusZDEventType
ruckusZDEventTime

ruckusZDEventStatus
ruckusZDEventTitle
ruckusZDEventContent
Description Trigger when DHCP pool is abundant.
Recommended Actions
None

ruckusZDEventSmartRedundancyChangetoActive

Name ruckusZDEventSmartRedundancyChangetoActive
OID 1.3.6.1.4.1.25053.2.2.1.100
Severity Medium
Status current
Objects
ruckusZDEventIPAddr
Description [Smart Redundancy] Peer ZoneDirector peer IP not found,
system changed to active state.
Recommended Actions
None

ruckusZDEventSmartRedundancyActiveConnected

Name ruckusZDEventSmartRedundancyActiveConnected
OID 1.3.6.1.4.1.25053.2.2.1.101
Severity Minor
Status current
Objects
ruckusZDEventIPAddr
Description [Smart Redundancy] connected, system is in active state.
Recommended Actions
None

ruckusZDEventSmartRedundancyActiveDisconnected

Name ruckusZDEventSmartRedundancyActiveDisconnected

OID 1.3.6.1.4.1.25053.2.2.1.102
Severity Medium
Status current
Objects ruckusZDEventIPAddr
Description [Smart Redundancy] disconnected, system is in active state.
Recommended Actions
None

ruckusZDEventSmartRedundancyStandbyConnected

Name ruckusZDEventSmartRedundancyStandbyConnected
OID 1.3.6.1.4.1.25053.2.2.1.103
Severity Medium
Status current
Objects ruckusZDEventIPAddr
Description [Smart Redundancy] connected, system is in standby state.
Recommended Actions
None

ruckusZDEventSmartRedundancyStandbyDisconnected

Name ruckusZDEventSmartRedundancyStandbyDisconnected
OID 1.3.6.1.4.1.25053.2.2.1.104
Severity Medium
Status current
Objects ruckusZDEventIPAddr
Description [Smart Redundancy] disconnected, system is in standby state.
Recommended Actions
None

Ruckus ZD Event Objects

The objects in the following section are contained in the ruckusZDEventObjects tree and are used in traps to specify details for the trap.

ruckusZDEventSerial

Name	ruckusZDEventSerial
OID	1.3.6.1.4.1.25053.2.2.2.1
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Trap serial number.

ruckusZDEventNEID

Name	ruckusZDEventNEID
OID	1.3.6.1.4.1.25053.2.2.2.2
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Network element ID.

ruckusZDEventSeverity

Name	ruckusZDEventSeverity
OID	1.3.6.1.4.1.25053.2.2.2.3
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Severity level of the trap.

ruckusZDEventType

Name	ruckusZDEventType
OID	1.3.6.1.4.1.25053.2.2.2.4
Syntax	OCTET STRING

Status	current
Max Access	accessible-for-notify
Description	Trap type.

ruckusZDEventTime

Name	ruckusZDEventTime
OID	1.3.6.1.4.1.25053.2.2.2.5
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Time when trap occurred.

ruckusZDEventStatus

Name	ruckusZDEventStatus
OID	1.3.6.1.4.1.25053.2.2.2.6
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Trap status.

ruckusZDEventTitle

Name	ruckusZDEventTitle
OID	1.3.6.1.4.1.25053.2.2.2.7
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Trap title.

ruckusZDEventContent

Name	ruckusZDEventContent
OID	1.3.6.1.4.1.25053.2.2.2.8
Syntax	OCTET STRING

Status	current
Max Access	accessible-for-notify
Description	Trap content.

ruckusZDEventClientMacAddr

Name	ruckusZDEventClientMacAddr
OID	1.3.6.1.4.1.25053.2.2.2.15
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	The client's MAC address.

ruckusZDEventAPMacAddr

Name	ruckusZDEventAPMacAddr
OID	1.3.6.1.4.1.25053.2.2.2.18
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	The AP's MAC address.

ruckusZDEventRogueMacAddr

Name	ruckusZDEventRogueMacAddr
OID	1.3.6.1.4.1.25053.2.2.2.20
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	The rogue AP's MAC address.

ruckusZDEventSSID

Name	ruckusZDEventSSID
OID	1.3.6.1.4.1.25053.2.2.2.23
Syntax	OCTET STRING

Status	current
Max Access	accessible-for-notify
Description	SSID.

ruckusZDEventChannel

Name	ruckusZDEventChannel
OID	1.3.6.1.4.1.25053.2.2.2.25
Syntax	Unsigned32
Status	current
Max Access	accessible-for-notify
Description	Channel.

ruckusZDEventReason

Name	ruckusZDEventReason
OID	1.3.6.1.4.1.25053.2.2.2.28
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	Failure reason.

ruckusZDEventIpAddr

Name	ruckusZDEventIpAddr
OID	1.3.6.1.4.1.25053.2.2.2.30
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	IP address (IPv4 and IPv6).

AP and Client Event MIB Group

The following section contains SNMP traps and objects delivered for AP-related events.

- [AP/Client Event Traps](#)
- [AP/Client Event Objects](#)

AP/Client Event Traps

ruckusEventAssocTrap

Name	ruckusEventAssocTrap
OID	1.3.6.1.4.1.25053.2.1.1.1
Severity	Minor
Objects	1: ruckusEventClientMacAddr
Description	Trigger when there is a client association event. The client's MAC address is enclosed.
Recommended Action	None

ruckusEventDiassocTrap

Name	ruckusEventDiassocTrap
OID	1.3.6.1.4.1.25053.2.1.1.2
Severity	Minor
Status	current
Objects	1: ruckusEventClientMacAddr
Description	Trigger when there is a client disassociation event. The client's MAC address is enclosed.
Recommended Action	None.

ruckusEventSetErrorTrap

Name	ruckusEventSetErrorTrap
OID	1.3.6.1.4.1.25053.2.1.1.3

Severity	Minor
Status	current
Objects	1: ruckusSetErrorOID
Description	Trigger when there is an snmp-set error event. The OID of the snmp-set is enclosed.
Recommended Action	None.

ruckusEventConnectTrap

Name	ruckusEventConnectTrap
OID	1.3.6.1.4.1.25053.2.1.1.25
Severity	Minor
Status	current
Objects	1: ruckusEventClientMacAddr
Description	Trigger when there is an AP connect event. The AP's MAC address is enclosed.
Recommended Action	None.

ruckusEventDisconnectTrap

Name	ruckusEventDisconnectTrap
OID	1.3.6.1.4.1.25053.2.1.1.26
Severity	Minor
Status	current
Objects	1: ruckusEventClientMacAddr
Description	Trigger when there is an AP disconnect event. The AP's MAC address is enclosed.
Recommended Action	None.

AP/Client Event Objects

ruckusEventClientMacAddr

Name	ruckusEventClientMacAddr
OID	1.3.6.1.4.1.25053.2.1.2.15
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	The client's MAC address.

ruckusEventSetErrorOID

Name	ruckusEventSetErrorOID
OID	1.3.6.1.4.1.25053.2.1.2.20
Syntax	OCTET STRING
Status	current
Max Access	accessible-for-notify
Description	OID of the error snmp-set.

ZoneDirector System MIBs

2

In this chapter:

- [ZoneDirector System MIBs Overview](#)
- [System Info MIBs](#)
- [Expanded System Info MIBs](#)
- [System IP Table MIBs](#)
- [System Services MIBs](#)
- [System Load Balancing Info MIBs](#)
- [System Statistics MIBs](#)
- [ZD Ethernet Info MIBs](#)

ZoneDirector System MIBs Overview

The objects contained in the RUCKUS-ZD-SYSTEM-MIB.txt group provide system information and statistics such as system name, software version, AP licenses, CPU and memory utilization, IP addressing, system services running and other system information.

The following tables list the objects within each top-level MIB tree in the RUCKUS-ZD-SYSTEM-MIB.txt file.

System Info MIBs

[Table 3](#) lists the node names, OIDs and descriptions of each object in the System Info MIB tree.

Table 3. ZoneDirector System MIBs - System Info MIB tree

MIB Tree	Node Name	OID	Description
ruckusZDSystemInfo	ruckusZDSystemName	1.3.6.1.4.1.25053.1.2.1.1.1.1.1	System name
	ruckusZDSystemIPAddr	1.3.6.1.4.1.25053.1.2.1.1.1.1.2	IP address
	ruckusZDSystemMacAddr	1.3.6.1.4.1.25053.1.2.1.1.1.1.3	MAC address
	ruckusZDSystemUptime	1.3.6.1.4.1.25053.1.2.1.1.1.1.8	Uptime
	ruckusZDSystemModel	1.3.6.1.4.1.25053.1.2.1.1.1.1.9	Model
	ruckusZDSystemLicensedAPs	1.3.6.1.4.1.25053.1.2.1.1.1.1.12	Licensed APs
	ruckusZDSystemMaxSta	1.3.6.1.4.1.25053.1.2.1.1.1.1.13	Max stations
	ruckusZDSystemSerialNumber	1.3.6.1.4.1.25053.1.2.1.1.1.1.15	Serial number
	ruckusZDSystemVersion	1.3.6.1.4.1.25053.1.2.1.1.1.1.18	Version
	ruckusZDSystemCountryCode	1.3.6.1.4.1.25053.1.2.1.1.1.1.20	Country code
	ruckusZDSystemAdminName	1.3.6.1.4.1.25053.1.2.1.1.1.1.25	Admin name
	ruckusZDSystemAdminPassword	1.3.6.1.4.1.25053.1.2.1.1.1.1.26	Admin password
	ruckusZDSystemStatus	1.3.6.1.4.1.25053.1.2.1.1.1.1.30	System status
ruckusZDSystemPeerConnectedStatus	1.3.6.1.4.1.25053.1.2.1.1.1.1.31	Peer connection status	

Expanded System Info MIBs

Table 4 lists the node names, OIDs and descriptions of each object in the Expanded System Info MIB tree.

Table 4. Expanded System Info MIB Tree

MIB Tree	Node Name	OID	Description
ruckusZDSystem ExpInfo	ruckusZDSystemNEId	1.3.6.1.4.1.25053.1.2.1.1.1.5.50	NE ID
	ruckusZDSystemManufacturer	1.3.6.1.4.1.25053.1.2.1.1.1.5.51	Manufacturer
	ruckusZDSystemSoftwareName	1.3.6.1.4.1.25053.1.2.1.1.1.5.52	Software name
	ruckusZDSystemCPUUtil	1.3.6.1.4.1.25053.1.2.1.1.1.5.58	CPU utilization
	ruckusZDSystemMemoryUtil	1.3.6.1.4.1.25053.1.2.1.1.1.5.59	Memory utilization
	ruckusZDSystemMemorySize	1.3.6.1.4.1.25053.1.2.1.1.1.5.60	Memory size
	ruckusZDSystemFlashFreeSize	1.3.6.1.4.1.25053.1.2.1.1.1.5.65	Flash free size
	ruckusZDSystemMgmtVlanID	1.3.6.1.4.1.25053.1.2.1.1.1.5.67	Management VLAN ID
	ruckusZDSystemCPUModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.70	CPU model
	ruckusZDSystemtCPUSpeed	1.3.6.1.4.1.25053.1.2.1.1.1.5.71	CPU speed
	ruckusZDSystemtFlashModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.72	Flash model
	ruckusZDSystemtMemModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.73	Memory model
	ruckusZDSystemStartTime	1.3.6.1.4.1.25053.1.2.1.1.1.5.74	System startup time
	ruckusZDSystemCurrentTime	1.3.6.1.4.1.25053.1.2.1.1.1.5.80	System current time
	ruckusZDSystemAPFirmwareServer	1.3.6.1.4.1.25053.1.2.1.1.1.5.81	AP firmware download server
	ruckusZDSystemAPConfigServer	1.3.6.1.4.1.25053.1.2.1.1.1.5.82	AP configuration server
	ruckusZDSystemIDSAllowedESSID	1.3.6.1.4.1.25053.1.2.1.1.1.5.85	Allowed ESSIDs
	ruckusZDSystemIDSAllowBSSID	1.3.6.1.4.1.25053.1.2.1.1.1.5.86	Allowed BSSIDs
	ruckusZDSystemIDSAllowOUI	1.3.6.1.4.1.25053.1.2.1.1.1.5.87	Allowed OUIs

Table 4. Expanded System Info MIB Tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemBandwidthUtilValve	1.3.6.1.4.1.25053.1.2.1.1.1.5.90	Number of system bandwidth utilization percent.
	ruckusZDSystemDropPacketRateValve	1.3.6.1.4.1.25053.1.2.1.1.1.5.91	Number of system drop packets rate percent.
	ruckusZDSystemCPUUtilValve	1.3.6.1.4.1.25053.1.2.1.1.1.5.92	CPU utilization
	ruckusZDSystemMemUtilValve	1.3.6.1.4.1.25053.1.2.1.1.1.5.95	Memory utilization
	ruckusZDSystemOnlineStaValve	1.3.6.1.4.1.25053.1.2.1.1.1.5.96	Online stations
	ruckusZDSystemLocationLongitude	1.3.6.1.4.1.25053.1.2.1.1.1.5.97	AC longitude
	ruckusZDSystemLocationLatitude	1.3.6.1.4.1.25053.1.2.1.1.1.5.98	AC latitude
	ruckusZDSystemDHCPServer	1.3.6.1.4.1.25053.1.2.1.1.1.5.110	DHCP server enabled or disabled
	ruckusZDAPCPUvalve	1.3.6.1.4.1.25053.1.2.1.1.1.5.120	AP's CPU utilization value for sending trap
	ruckusZDAPMemoryvalve	1.3.6.1.4.1.25053.1.2.1.1.1.5.121	AP'S Memory utilization valve for sending trap
	ruckusZDHeartBeatStatus	1.3.6.1.4.1.25053.1.2.1.1.1.5.122	Current heartbeat on-off status
	ruckusZDHeartBeatPeriod	1.3.6.1.4.1.25053.1.2.1.1.1.5.123	Heartbeat interval between ZD and NMS (units:seconds)

System IP Table MIBs

Table 5 lists the node names, OIDs and descriptions of each object in the System IP Table MIB tree.

Table 5. System IP Table MIB tree

MIB Tree	Node Name	OID	Description
ruckusZDSystemIPTable	ruckusZDSystemIPIndex	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.1	IP index
	ruckusZDSystemIPVersion	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.2	Current IP version
	ruckusZDSystemIPAddrMode	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.5	IP address mode (static IP or DHCP)
	ruckusZDSystemIPAddress	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.6	IP address
	ruckusZDSystemIPAddrNetmask	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.8	Netmask
	ruckusZDSystemIPGateway	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.10	Gateway
	ruckusZDSystemIPPrimaryDNS	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.12	Primary DNS
	ruckusZDSystemIPSecondaryDNS	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.13	Secondary DNS
	ruckusZDSystemIPV6AddressModel	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.20	Current IPv6 address model
	ruckusZDSystemIPV6Address	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.21	IPv6 address
	ruckusZDSystemIPV6PrefixLen	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.22	Specifies the ipv6 address prefix length if the ruckusZDSystemIPV6AddrModel is set to static(2).
	ruckusZDSystemIPV6Gateway	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.25	Specifies the gateway ipv6 address if the ruckusZDSystemIPV6AddrModel is set to static(2).
	ruckusZDSystemIPV6PrimaryDNS	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.28	Specifies primary DNS IPv6 address.

Table 5. System IP Table MIB tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemIPV6SecondaryDNS	1.3.6.1.4.1.25053.1.2.1.1.1.8.1.29	Specifies secondary DNS IPV6 address.

System Services MIBs

Table 6 lists the node names, OIDs and descriptions of each object in the System Services MIB tree.

Table 6. System Services MIB tree

MIB Tree	Node Name	OID	Description
ruckusZDSystem Time	ruckusZDSystemTimeWithNTP	1.3.6.1.4.1.25053.1.2.1.1.1.12.3.1	Enable the Zone Director system to synchronize its system time with NTP
	ruckusZDSystemTimeNTPServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.3.2	The NTP Server (URL) the ZoneDirector synchronizes its system time with
ruckusZDSystem SMTP	ruckusZDSystemEmailTriggerEnable	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.1	Send an email message when an alarm is triggered
	ruckusZDSystemEmailAddress	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.2	Email address
	ruckusZDSystemSMTPServerName	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.3	SMTP server
	ruckusZDSystemSMTPServerPort	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.4	SMTP server port
	ruckusZDSystemSMTPAuthUsername	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.5	SMTP auth user name

Table 6. System Services MIB tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemSMTPAuthPassword	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.6	SMTP auth password
	ruckusZDSystemFromEmailAddress	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.7	From email address
	ruckusZDSystemSMTPEncryptionOptions	1.3.6.1.4.1.25053.1.2.1.1.1.12.5.8	SMTP encryption
ruckusZDSystem SysLog	ruckusZDSystemSysLogServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.8.1	The syslog server IP or IPV6 address that ZoneDirector reports its system events to
	ruckusZDSystemSysLogServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.8.2	Syslog server
ruckusZDSystem FlexMaster	ruckusZDSystemFlexMasterEnable	1.3.6.1.4.1.25053.1.2.1.1.1.12.9.1	FlexMaster enabled/disabled status
	ruckusZDSystemFlexMasterServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.9.2	FlexMaster server
	ruckusZDSystemFlexMasterInterval	1.3.6.1.4.1.25053.1.2.1.1.1.12.9.3	FlexMaster inform interval
ruckusZDSystem Stp	ruckusZDSystemStpStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.12.1	STP status
ruckusZDSystem SNMPTrapInfo	ruckusZDSystemSNMPTrapEnable	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.1	SNMP traps enabled/disabled status
	ruckusZDSystemSNMPTrapVersion	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.2	SNMP trap version
ruckusZDSystem SNMPV2TrapSvrTable	ruckusZDSystemSNMPV2TrapSvrIndex	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.1	SNMPv2 trap server index
	ruckusZDSystemSNMPV2TrapServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.3	SNMPv2 trap server address (v4 or v6)
	ruckusZDSystemSNMPV2TrapSvrRowStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.8	SNMPv2 trap server row status

Table 6. System Services MIB tree

MIB Tree	Node Name	OID	Description
ruckusZDSys temSNMPV3TrapSvr Table	ruckusZDSys temSNMPV3TrapSvrIn dex	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.1	SNMPv3 Trap server index
	ruckusZDSys temSNMPV3TrapServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.5	SNMPv3 Trap server index
	ruckusZDSys temSNMPV3TrapUser	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.8	SNMPv3 trap user
	ruckusZDSys temSNMPV3TrapAuth	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.10	SNMPv3 trap auth
	ruckusZDSys temSNMPV3TrapAuthKe y	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.11	SNMPV3 trap auth key
	ruckusZDSys temSNMPV3TrapPrivacy	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.15	SNMPv3 trap privacy
	ruckusZDSys temSNMPV3TrapPrivacy Key	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.16	SNMPv3 trap privacy key
	ruckusZDSys temSNMPV3TrapSvrRow Status	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3. 36.1.20	SNMPv3 trap server row status
ruckusZDSys temSNMPV2Table	ruckusZDSys temSNMPEnable	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5. 1.2	SNMP enabled/ disabled status
	ruckusZDSys temSNMPROCommunit y	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5. 1.5	SNMP RO community string
	ruckusZDSys temSNMPRWCommunit y	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5. 1.6	SNMP RW community string
	ruckusZDSys temSNMPSysContact	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5. 1.7	SNMP system contact
	ruckusZDSys temSNMPSysLocation	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5. 1.8	SNMP system location
ruckusZDSys temSNMPV3Table	ruckusZDSys temSNMPV3Enable	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8. 1.2	SNMPv3 enabled/ disabled status
	ruckusZDSys temSNMPV3RoUser	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8. 1.5	SNMPv3 RO user
	ruckusZDSys temSNMPV3RoAuth	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8. 1.6	SNMPv3 RO auth

Table 6. System Services MIB tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemSNMPV3RoAuthKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.7	SNMPv3 RO auth key
	ruckusZDSystemSNMPV3RoPirvacy	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.8	SNMPv3 RO privacy
	ruckusZDSystemSNMPV3RoPrivacyKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.9	SNMPv3 RO privacy key
	ruckusZDSystemSNMPV3RwUser	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.12	SNMPv3 RW user
	ruckusZDSystemSNMPV3RwAuth	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.13	SNMPv3 RW auth
	ruckusZDSystemSNMPV3RwAuthKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.14	SNMPv3 RW auth key
	ruckusZDSystemSNMPV3RwPirvacy	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.15	SNMPv3 RW privacy
	ruckusZDSystemSNMPV3RwPrivacyKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.16	SNMPv3 RW privacy key

System Load Balancing Info MIBs

[Table 7](#) lists the node names, OIDs and descriptions of each object in the System Load Balancing Info MIB tree.

Table 7. System Load Balancing Info MIB tree

MIB Tree	Node Name	OID	Description
ruckusZDSystemLoadBalanceInfo	ruckusZDSystemLoadBalanceStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.1	Load balancing status
	ruckusZDSystemLoadBalanceUserThreshold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.2	Load balancing user threshold
	ruckusZDSystemLoadBalanceUserDifference	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.3	Load balancing user difference

Table 7. System Load Balancing Info MIB tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemLoadBalanceTrafficThreshhold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.4	Load balancing traffic threshold
	ruckusZDSystemLoadBalanceTrafficDifference	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.5	Load balancing traffic difference
	ruckusZDSystemLoadBalanceType	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.6	Load balancing type

System Statistics MIBs

Table 8 lists the MIBs in the ruckusZDSystemStats MIB tree.

Table 8. System statistics MIBs

MIB Tree	Node Name	OID	Description
ruckusZDSystemStats	ruckusZDSystemStatsNumAP	1.3.6.1.4.1.25053.1.2.1.1.1.15.1	Number of APs.
	ruckusZDSystemStatsNumSta	1.3.6.1.4.1.25053.1.2.1.1.1.15.2	Number of authorized client devices.
	ruckusZDSystemStatsNumRogue	1.3.6.1.4.1.25053.1.2.1.1.1.15.3	Number of rogue devices.
	ruckusZDSystemStatsNumRogueKnown	1.3.6.1.4.1.25053.1.2.1.1.1.15.4	Number of known rogue devices.
	ruckusZDSystemStatsWLANTotalRxPackets	1.3.6.1.4.1.25053.1.2.1.1.1.15.5	Total received packets of wireless interfaces.
	ruckusZDSystemStatsWLANTotalRxBytes	1.3.6.1.4.1.25053.1.2.1.1.1.15.6	Total received bytes of wireless interfaces.

Table 8. System statistics MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDSystemStatsWLANTotalRxMulticast	1.3.6.1.4.1.25053.1.2.1.1.1.15.7	Total received multicast packets of wireless interfaces.
	ruckusZDSystemStatsWLANTotalTxPkts	1.3.6.1.4.1.25053.1.2.1.1.1.15.8	Total transmitted packets of wireless interfaces.
	ruckusZDSystemStatsWLANTotalTxBytes	1.3.6.1.4.1.25053.1.2.1.1.1.15.9	Total transmitted bytes of wireless interfaces.
	ruckusZDSystemStatsWLANTotalTxMulticast	1.3.6.1.4.1.25053.1.2.1.1.1.15.10	Total transmitted multicast packets of wireless interfaces.
	ruckusZDSystemStatsWLANTotalTxFail	1.3.6.1.4.1.25053.1.2.1.1.1.15.11	Total transmitted fail packets of wireless interfaces.
	ruckusZDSystemStatsWLANTotalTxRetry	1.3.6.1.4.1.25053.1.2.1.1.1.15.12	Total transmitted retry packets of wireless interfaces.
	ruckusZDSystemStatsCPUUtil	1.3.6.1.4.1.25053.1.2.1.1.1.15.13	CPU utilization.
	ruckusZDSystemStatsMemoryUtil	1.3.6.1.4.1.25053.1.2.1.1.1.15.14	Memory utilization.
	ruckusZDSystemStatsNumRegisteredAP	1.3.6.1.4.1.25053.1.2.1.1.1.15.15	Number of registered AP.
	ruckusZDSystemStatsWLANTotalAssocFail	1.3.6.1.4.1.25053.1.2.1.1.1.15.16	Total number of failed station associations.
	ruckusZDSystemStatsWLANTotalRxErrFrames	1.3.6.1.4.1.25053.1.2.1.1.1.15.17	Total number of erroneous downlink frames.
	ruckusZDSystemStatsNumRegAP	1.3.6.1.4.1.25053.1.2.1.1.1.15.18	Number of registered APs.

Table 8. System statistics MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDSystemStatsWLANTotalTxDrroppedPkt	1.3.6.1.4.1.25053.1.2.1.1.1.15.19	Total number of dropped downlink packets.
	ruckusZDSystemStatsWLANTotalTxErrFrm	1.3.6.1.4.1.25053.1.2.1.1.1.15.20	Total number of erroneous downlink frames.
	ruckusZDSystemStatsWLANTotalTxDrroppedFrm	1.3.6.1.4.1.25053.1.2.1.1.1.15.21	Total number of dropped downlink frames.
	ruckusZDSystemStatsMonitorPeriod	1.3.6.1.4.1.25053.1.2.1.1.1.15.22	System stats monitoring period.
	ruckusZDSystemStatsLanTxRate	1.3.6.1.4.1.25053.1.2.1.1.1.15.23	Lan transmit rate kbyte/s in last 5 minutes .
	ruckusZDSystemStatsLanRxRate	1.3.6.1.4.1.25053.1.2.1.1.1.15.24	Lan received rate kbyte/s in last 5 minutes .
	ruckusZDSystemStatsAllNumSta	1.3.6.1.4.1.25053.1.2.1.1.1.15.30	Number of All client devices.

ZD Ethernet Info MIBs

Table 9 lists the MIBs in the ruckusZDEthInfo MIB tree.

Table 9. Ethernet Info MIBs

MIB Tree	Node Name	OID	Description
ruckusZDEthTable	ruckusZDEthNum	1.3.6.1.4.1.25053.1.2.1.1.1.18.1	Number of ethernet devices.
	ruckusZDEthIfIndex	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1	Ethernet device interface index.

Table 9. Ethernet Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDEthName	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.2	Ethernet device name.
	ruckusZDEthDesc	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.3	Ethernet device description.
	ruckusZDEthType	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.4	Ethernet device type.
	ruckusZDEthStatus	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.5	Ethernet device status.
	ruckusZDEthPhysAddr	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.6	Ethernet device MAC address.
	ruckusZDEthMtu	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.7	Ethernet device mtu size.
	ruckusZDEthIfSpeed	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.8	Ethernet device interface speed.
	ruckusZDEthUtil	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.9	Ethernet device utilization.
	ruckusZDEthTxBcastPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 0	Ethernet device transmitted broadcast packets number.
	ruckusZDEthTxMcastPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 1	Ethernet device transmitted multicast packets number.
	ruckusZDEthRxBcastPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 2	Ethernet device received broadcast packets number.
	ruckusZDEthRxMcastPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 3	Ethernet device received multilcast packets number.

Table 9. Ethernet Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDEthTxUniPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 4	Ethernet device transmitted unicast packets number.
	ruckusZDEthRxUniPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 5	Ethernet device received unicast packets number.
	ruckusZDEthTxPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 6	Ethernet device transmitted packets number.
	ruckusZDEthRxPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 7	Ethernet device received packets number.
	ruckusZDEthDropTxPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 8	Ethernet device transmitted drop packets number.
	ruckusZDEthDropRxPkts	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 9	Ethernet device received drop packets number.
	ruckusZDEthTxBytes	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.2 0	Ethernet device transmitted bytes number.
	ruckusZDEthRxBytes	1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.2 1	Ethernet device received bytes number.

Ruckus Product MIBs

3

In this chapter:

- [Ruckus Product MIBs Overview](#)
- [Ruckus Wireless Router Product MIBs](#)
- [Ruckus Wireless Adapter Product MIBs](#)
- [Ruckus Wireless Metro Product MIBs](#)
- [Ruckus Wireless Hotzone Product MIBs](#)
- [Ruckus Controller Product MIBs](#)

Ruckus Product MIBs Overview

The Ruckus Product MIBs define OIDs for supported Ruckus Wireless products. The Product MIBs are contained in the RUCKUS-PRODUCTS-MIB.txt MIB file.

Ruckus Wireless Router Product MIBs

[Table 10](#) lists the node names, OIDs and descriptions of each object in the ruckusWirelessRouterProducts MIB tree.

Table 10. Ruckus Wireless Router Products MIB Tree

MIB Tree	Node Name	OID	Description
ruckusWirelessRouterProducts	ruckusVF2825	1.3.6.1.4.1.25053.3.1.4.1	VF 2825
	ruckusVF2811	1.3.6.1.4.1.25053.3.1.1.2	VF 2811
	ruckusVF2821	1.3.6.1.4.1.25053.3.1.1.3	VF 2821
	ruckusVF2835	1.3.6.1.4.1.25053.3.1.1.4	VF 2835
	ruckusVF7811	1.3.6.1.4.1.25053.3.1.1.5	VF 7811

Ruckus Wireless Adapter Product MIBs

[Table 11](#) lists the node names, OIDs and descriptions of each object in the ruckusWirelessAdapterProducts MIB tree.

Table 11. Ruckus Wireless Adapter Products MIBs

MIB Tree	Node Name	OID	Description
ruckusWirelessAdapterProducts	ruckusVF2111	1.3.6.1.4.1.25053.3.1.2.1	VF 2111
	ruckusVF2121	1.3.6.1.4.1.25053.3.1.2.2	VF 2121
	ruckusVF7111	1.3.6.1.4.1.25053.3.1.2.3	VF 7111

Ruckus Wireless Metro Product MIBs

Table 12 lists the node names, OIDs and descriptions of each object in the ruckusWirelessMetroProducts MIB tree.

Table 12. Ruckus Wireless Metro Products MIBs

MIB Tree	Node Name	OID	Description
ruckusWirelessMetroProducts	ruckusMM2225	1.3.6.1.4.1.25053.3.1.3.1	MM 2225
	ruckusMM2211	1.3.6.1.4.1.25053.3.1.3.2	MM 2211
	ruckusMM2221	1.3.6.1.4.1.25053.3.1.3.3	MM 2221

Ruckus Wireless Hotzone Product MIBs

Table 13 lists the node names, OIDs and descriptions of each object in the ruckusWirelessHotzoneProducts MIB tree.

Table 13. Ruckus Wireless Hotzone Products MIBs

MIB Tree	Node Name	OID	Description
ruckusWirelessHotzoneProducts	ruckusZF2925	1.3.6.1.4.1.25053.3.1.4.1	ZF 2925
	ruckusZF2942	1.3.6.1.4.1.25053.3.1.4.2	ZF 2942
	ruckusZF7942	1.3.6.1.4.1.25053.3.1.4.3	ZF 7942
	ruckusZF7962	1.3.6.1.4.1.25053.3.1.4.4	ZF 7962
	ruckusZF2741	1.3.6.1.4.1.25053.3.1.4.5	ZF 2741
	ruckusZF7762	1.3.6.1.4.1.25053.3.1.4.6	ZF 7762
ruckusZF7761CM	ruckusZF7761CM	1.3.6.1.4.1.25053.3.1.4.7	ZF 7761-CM
	ruckusZF7761CMResetCM	1.3.6.1.4.1.25053.3.1.4.7.1	ZF 7761-CM
	ruckusZF7761CMResetAP	1.3.6.1.4.1.25053.3.1.4.7.2	ZF 7761-CM

Table 13. Ruckus Wireless Hotzone Products MIBs

MIB Tree	Node Name	OID	Description
	ruckusZF7761CMControlLED	1.3.6.1.4.1.25053.3.1.4.7.3	ZF 7761-CM LED controls.
	ruckusZF7761CMWanIPAddr	1.3.6.1.4.1.25053.3.1.4.7.4	Specifies the IP address of the Cable Modem WAN interface.
	ruckusZF7761CMCustomization	1.3.6.1.4.1.25053.3.1.4.7.5	ZF 7761-CM
	ruckusZF7761CMHTTPService	1.3.6.1.4.1.25053.3.1.4.7.5.1	Enable/disable HTTP service.
	ruckusZF7761CMTelnetService	1.3.6.1.4.1.25053.3.1.4.7.5.2	Enable/disable Telnet service.
	ruckusZF7761CMSSHService	1.3.6.1.4.1.25053.3.1.4.7.5.3	Enable/disable SSH service.
	ruckusZF7761CMUsername	1.3.6.1.4.1.25053.3.1.4.7.5.4	Specifies username of cable modem.
	ruckusZF7761CMPassword	1.3.6.1.4.1.25053.3.1.4.7.5.5	Specifies password of cable modem.
	ruckusZF7761CMLEDMode	1.3.6.1.4.1.25053.3.1.4.7.6	ledAllOff(0): All LEDs disabled after 3 second delay, blueActive(1): Blue Active Surge Protection Indicator, blueActiveCMOnlineLed(2): Blue Active Surge Protection Indicator and Cable Modem online Green LED enabled.

Table 13. Ruckus Wireless Hotzone Products MIBs

MIB Tree	Node Name	OID	Description
	ruckusZF7761CMHeartbeatMonitorC M	1.3.6.1.4.1.25053.3.1.4.7.7	Enable/disable Cable Modem heartbeat monitoring.
	ruckusZF7761CMHeartbeatMonitorA P	1.3.6.1.4.1.25053.3.1.4.7.8	Enable/disable Access Point heartbeat monitoring.
	ruckusZF7762S	1.3.6.1.4.1.25053.3.1.4.8	ZF 7762-S
	ruckusZF7762T	1.3.6.1.4.1.25053.3.1.4.9	ZF 7762-T
	ruckusZF7762N	1.3.6.1.4.1.25053.3.1.4.10	ZF 7762-N
	ruckusZF7343	1.3.6.1.4.1.25053.3.1.4.12	ZF 7343
	ruckusZF7363	1.3.6.1.4.1.25053.3.1.4.13	ZF 7363
	ruckusZF7341	1.3.6.1.4.1.25053.3.1.4.14	ZF 7341
	ruckusZF7211	1.3.6.1.4.1.25053.3.1.4.15	ZF 7211
	ruckusZF7731	1.3.6.1.4.1.25053.3.1.4.16	ZF 7731
	ruckusZF7025	1.3.6.1.4.1.25053.3.1.4.20	ZF 7025
	ruckusZF7321	1.3.6.1.4.1.25053.3.1.4.22	ZF 7321
	ruckusZF7321U	1.3.6.1.4.1.25053.3.1.4.23	ZF 7321-U
	ruckusZF2741EXT	1.3.6.1.4.1.25053.3.1.4.24	ZF 2471-EXT
	ruckusZF7982	1.3.6.1.4.1.25053.3.1.4.25	ZF 7982
	ruckusZF7782	1.3.6.1.4.1.25053.3.1.4.28	ZF 7782
	ruckusZF7782S	1.3.6.1.4.1.25053.3.1.4.29	ZF 7782-S
	ruckusZF7782N	1.3.6.1.4.1.25053.3.1.4.30	ZF 7782-N
	ruckusZF7782E	1.3.6.1.4.1.25053.3.1.4.31	ZF 7782-E
	ruckusZF8800SAC	1.3.6.1.4.1.25053.3.1.4.32	ZF 8800-S-AC
	ruckusZF7762AC	1.3.6.1.4.1.25053.3.1.4.35	ZF 7762-AC
	ruckusZF7762SAC	1.3.6.1.4.1.25053.3.1.4.36	ZF 7762-S-AC
	ruckusZF7762TAC	1.3.6.1.4.1.25053.3.1.4.37	ZF 7762-T-AC

Table 13. Ruckus Wireless Hotzone Products MIBs

MIB Tree	Node Name	OID	Description
	ruckusZF7372	1.3.6.1.4.1.25053.3.1.4.40	ZF 7372
	ruckusZF7372E	1.3.6.1.4.1.25053.3.1.4.41	ZF 7372-E
	ruckusZF7352	1.3.6.1.4.1.25053.3.1.4.45	ZF 7352
	ruckusZF7351	1.3.6.1.4.1.25053.3.1.4.48	ZF 7351
	ruckusZF7742	1.3.6.1.4.1.25053.3.1.4.50	ZF 7742
	ruckusZF7055	1.3.6.1.4.1.25053.3.1.4.52	ZF 7055
	ruckusZF7781M	1.3.6.1.4.1.25053.3.1.4.55	ZF 7781-M
	ruckusZF7781CM	1.3.6.1.4.1.25053.3.1.4.56	ZF 7781CM
	ruckusZF7781CME	1.3.6.1.4.1.25053.3.1.4.57	ZF 7781CM-E
	ruckusZF7781CMS	1.3.6.1.4.1.25053.3.1.4.58	ZF 7781CM-S
	ruckusZF7781FN	1.3.6.1.4.1.25053.3.1.4.60	ZF 7781-FN
	ruckusZF7781FNE	1.3.6.1.4.1.25053.3.1.4.61	ZF 7781-FN-E
	ruckusZF7781FNS	1.3.6.1.4.1.25053.3.1.4.62	ZF 7781-FN-S
	ruckusSC8800SAC	1.3.6.1.4.1.25053.3.1.4.65	SC8800-S-AC
	ruckusSC8800S	1.3.6.1.4.1.25053.3.1.4.66	SC8800-S
	ruckusR300	1.3.6.1.4.1.25053.3.1.4.67	ZF R300
	ruckusR700	1.3.6.1.4.1.25053.3.1.4.68	ZF R700

Ruckus Controller Product MIBs

Table 14 lists the node names, OIDs and descriptions of each object in the ruckusWirelessControllerProducts MIB tree.

Table 14. Ruckus Wireless Metro Products MIBs

MIB Tree	Node Name	OID	Description
ruckusWirelessC ontrollerProducts	ruckusZD1000	1.3.6.1.4.1.25053.3.1.5.1	ZD 1000

Table 14. Ruckus Wireless Metro Products MIBs

MIB Tree	Node Name	OID	Description
	ruckusZD1000SystemName	1.3.6.1.4.1.25053.3.1.5.1.1	System name
	ruckusZD1000SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.1.2	IP address
	ruckusZD1000SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.1.3	MAC address
	ruckusZD1000SystemUptime	1.3.6.1.4.1.25053.3.1.5.1.4	Up time
	ruckusZD1000SystemModel	1.3.6.1.4.1.25053.3.1.5.1.5	Model
	ruckusZD1000SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.1.6	Licensed APs
	ruckusZD1000SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.1.7	Serial number
	ruckusZD1000SystemVersion	1.3.6.1.4.1.25053.3.1.5.1.8	Software version
	ruckusZD1000CountryCode	1.3.6.1.4.1.25053.3.1.5.1.9	Country code
	ruckusZD1100	1.3.6.1.4.1.25053.3.1.5.2	ZD 1100
	ruckusZD1100SystemName	1.3.6.1.4.1.25053.3.1.5.2.1	System name
	ruckusZD1100SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.2.2	IP address
	ruckusZD1100SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.2.3	MAC address
	ruckusZD1100SystemUptime	1.3.6.1.4.1.25053.3.1.5.2.4	Up time
	ruckusZD1100SystemModel	1.3.6.1.4.1.25053.3.1.5.2.5	Model
	ruckusZD1100SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.2.6	Licensed APs
	ruckusZD1100SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.2.7	Serial number
	ruckusZD1100SystemVersion	1.3.6.1.4.1.25053.3.1.5.2.8	Software version
	ruckusZD1100CountryCode	1.3.6.1.4.1.25053.3.1.5.2.9	Country code
	ruckusZD3000	1.3.6.1.4.1.25053.3.1.5.3	ZD 3000
	ruckusZD3000SystemName	1.3.6.1.4.1.25053.3.1.5.3.1	System name
	ruckusZD3000SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.3.2	IP address
	ruckusZD3000SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.3.3	MAC address
	ruckusZD3000SystemUptime	1.3.6.1.4.1.25053.3.1.5.3.4	Up time
	ruckusZD3000SystemModel	1.3.6.1.4.1.25053.3.1.5.3.5	Model
	ruckusZD3000SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.3.6	Licensed APs
	ruckusZD3000SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.3.7	Serial number

Table 14. Ruckus Wireless Metro Products MIBs

MIB Tree	Node Name	OID	Description
	ruckusZD3000SystemVersion	1.3.6.1.4.1.25053.3.1.5.3.8	Software version
	ruckusZD3000CountryCode	1.3.6.1.4.1.25053.3.1.5.3.9	Country code
	ruckusZD5000	1.3.6.1.4.1.25053.3.1.5.8	ZD 5000
	ruckusZD5000SystemName	1.3.6.1.4.1.25053.3.1.5.8.1	System name
	ruckusZD5000SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.8.2	IP address
	ruckusZD5000SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.8.3	MAC address
	ruckusZD5000SystemUptime	1.3.6.1.4.1.25053.3.1.5.8.4	Up time
	ruckusZD5000SystemModel	1.3.6.1.4.1.25053.3.1.5.8.5	Model
	ruckusZD5000SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.8.6	Licensed APs
	ruckusZD5000SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.8.7	Serial number
	ruckusZD5000SystemVersion	1.3.6.1.4.1.25053.3.1.5.8.8	Software version
	ruckusZD5000CountryCode	1.3.6.1.4.1.25053.3.1.5.8.9	Country code

ZoneDirector WLAN Configuration MIBs

4

In this chapter:

- [ZoneDirector WLAN Configuration MIBs Overview](#)
- [WLAN Configuration MIBs](#)

ZoneDirector WLAN Configuration MIBs Overview

The objects contained in the RUCKUS-ZD-WLAN-CONFIGURATION-MIB.txt file provide WLAN configuration options including WLAN name, encryption settings, WLAN group settings, Hotspot settings and AAA server configuration settings.

The following tables list the objects within each top-level MIB tree in the RUCKUS-ZD-WLAN-CONFIGURATION-MIB.txt file.

WLAN Configuration MIBs

Use the ZoneDirector WLAN Configuration MIBs to configure WLAN settings. [Table 15](#) lists the node names, OIDs and descriptions of each object in the WLAN Configuration MIB tree.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLAN ConfigTable (SNMPv3 only)	ruckusZDWLANID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.1	this Wireless LAN (WLAN) ID. Max value: for zd1000 zd1100,128;for zd3000,1024;for zd5000,2048.
	ruckusZDWLANConfigSSID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.2	SSID for this Wireless LAN. It can't be modified after creating it.
	ruckusZDWLANConfigDescription	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.3	Description for this Wireless LAN.
	ruckusZDWLANConfigName	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.4	Name for this Wireless LAN.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigWLANService Type	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.8	Select The the Service type for the Wireless LAN.for hotSpotService,only read-only.
	ruckusZDWLANConfigAuthentication	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.10	Authentication method chosen for this Wireless LAN.
	ruckusZDWLANConfigEncryption	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.12	Encryption method chosen for this Wireless LAN.
	ruckusZDWLANConfigWEPKeyIndex	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.15	Select the WEP key index for the WEP encryption.
	ruckusZDWLANConfigWEPKey	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.16	Enter the Passphrase for the WEP encryption method.Only 10 or 26 Hex character.such as: 1122334455.
	ruckusZDWLANConfigWPACipherType	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.20	Enter the encryption cipher method for the WPA encryption.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigWPAKey	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.21	Enter the Passphrase for the WPA encryption.Specifies the WPA PSK (Wi-Fi Protected Access Pre Shared key) If the key length is 64 then all 64 characters should be in hex,otherwise the key assumed to be ascii.
	ruckusZDWLANConfigAuthenticationServerID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.25	Select the Authentication Server by the registered Server ID.This server id must exist in table: ruckusZDAAACo nfigTable(aaa- authentication) or local.
	ruckusZDWLANConfigWirelessClientIsolation	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.28	Set Wireless Client Isolation. Clients will be unable to communicate with each other or access restricted subnets.
	ruckusZDWLANConfigWirelessWhiteListID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.29	Make sure client isolation is enabled and then choose one id.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigZeroITActivation	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.30	Enable the Zero IT Activation Service of the Wireless LAN or not.
	ruckusZDWLANConfigWLANHotspotID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.31	Select the Hotspot Server for the Wireless LAN.
	ruckusZDWLANConfigWLANServicePriority	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.32	Select the QOS service priority for the Wireless LAN.
	ruckusZDWLANConfigAccountingServerID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.35	Select the (RADIUS) Accounting Server by the registered Server ID. 0,disable;This server ID must exist in table: ruckusZDAAAConfigTable (AAA-accounting)
	ruckusZDWLANConfigAccountingUpdateInterval	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.36	Enter interval in minutes to update Accounting Server.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigUplinkRate	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.40	Disable or Set the Speed/Rate limiting of uplink. Valid range 0.25mbps~20.00 mbps in 0.25mbps steps. Examples: 'disable', '0.25mbps', '0.5mbps', ..., '19.75mbps', '20.00mbps'
	ruckusZDWLANConfigDownlinkRate	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.41	Disable or Set the Speed/Rate limiting of downlink. Valid range 0.25mbps~20.00 mbps in 0.25mbps steps. Examples: 'disable', '0.25mbps', '0.5mbps', ..., '19.75mbps', '20.00mbps'
	ruckusZDWLANConfigIGMPSnooping	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.42	IGMP Snooping state of the WLAN.
	ruckusZDWLANConfigVlanID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.45	Specifies the VLAN ID of the WLAN. If VLAN ID is 1, packets from this WLAN will be untagged.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigDynamicVLAN	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.46	Enable the Service of the dynamicWireless LAN or not.For 802.1x EAP + MAC Address model,'set' is not supported.
	ruckusZDWLANConfigHideSSID	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.50	Hide SSID; do not broadcast SSID.
	ruckusZDWLANConfigTunnelMode	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.52	Enable Tunnel support capability for the Wireless LAN.
	ruckusZDWLANConfigBackgroundScanning	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.53	Select Background Scanning support capability for the Wireless LAN.
	ruckusZDWLANConfigMaxClientsPer AP	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.55	Select the Number of client devices the AP can service for the Wireless LAN.
	ruckusZDWLANConfigWebAuthentication	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.60	Enable WEP Authentication or not.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANConfigRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.63	Create, Delete Administration control for this Wireless LAN. 1: ACTIVE state, only for read; 4: CREATEANDGO , create a new table; 6: DESTROY, delete an existing table.
ruckusZDWLAN GroupConfigTable (SNMPv3 only)	ruckusZDWLANGroupID	1.3.6.1.4.1.25053.1.2.2.2.1.1.2.1.1	WLAN Group ID. It can't be modified after creating it. Max value: for zd1000 and zd1100, 128; for zd3000, 1024; for zd5000, 2048
	ruckusZDWLANGroupConfigName	1.3.6.1.4.1.25053.1.2.2.2.1.1.2.1.5	Name for this Wireless LAN Group.
	ruckusZDWLANGroupConfigDescription	1.3.6.1.4.1.25053.1.2.2.2.1.1.2.1.6	Description for this Wireless LAN Group.
	ruckusZDWLANGroupVlanOverrideStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.2.1.8	Enable VLAN Override for the Wireless LAN Group.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANGroupConfigRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.2.1.15	Create, Delete Administration control for this Wireless LAN Group. 1: ACTIVE state, only for read; 4: CREATEANDGO , create a new table; 6: DESTROY, delete an existing table.
ruckusZDWLANGroupCfgAttrTable (SNMPv3 only)	ruckusZDWLANGroupCfgAttrOverrideType	1.3.6.1.4.1.25053.1.2.2.2.1.1.3.1.3	WLAN group VLAN Override Type.
	ruckusZDWLANGroupCfgAttrWLANTag	1.3.6.1.4.1.25053.1.2.2.2.1.1.3.1.4	WLAN group VLAN tag. For set, range is 1-4094. For get,, range is 0-4094. 1: If VLAN ID is 1, packets from this WLAN will be untagged; 0: for node ruckusZDWLANGroupCfgAttrOverrideType is nochange

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANGroupCfgAttrRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.3.1.10	Create, Delete Administration control for this Wireless LAN group attr. 1: ACTIVE state, only for read; 4: CREATEANDGO , create a new table; 6: DESTROY, delete an existing table.
ruckusZDHotspotConfigTable (SNMPv3 only)	ruckusZDHotspotID	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.1	Hotspot ID.
	ruckusZDHotspotName	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.2	Name for this Hotspot.Can't be modified if created.
	ruckusZDHotspotRedirectLoginPage	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.3	Redirect unauthenticated user to this for authentication. It is URL or IP address.
	ruckusZDHotspotRedirectStartURL	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.4	After user is authenticated, redirect to this URL if the redirect type is URL.
	ruckusZDHotspotRedirectType	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.6	To decide the redirect target. If it is user, redirect to the user intends to visit.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDHotspotRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.8.1.15	Create, Delete Administration control for this Hotspot.
ruckusZDClientIsolationWhiteListTable	ruckusZDClientIsolationWhiteListID	1.3.6.1.4.1.25053.1.2.2.2.1.1.15.1.1	Client Isolation White List ID. It can't be modified after creating it.
	ruckusZDClientIsolationWhiteListName	1.3.6.1.4.1.25053.1.2.2.2.1.1.15.1.5	Name for this Client Isolation White List.
	ruckusZDClientIsolationWhiteListDescription	1.3.6.1.4.1.25053.1.2.2.2.1.1.15.1.6	Description for this Client Isolation White List.
	ruckusZDClientIsolationWhiteListRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.15.1.6	Create, Delete Administration control for this Client Isolation White List. 1. ACTIVE state, only for read; 4. CREATEANDGO, create a new table; 6. DESTROY, delete an existing table.
ruckusZDClientIsolationWhiteListRuleTable	ruckusZDClientIsolationWhiteListRuleID	1.3.6.1.4.1.25053.1.2.2.2.1.1.16.1.1	WLAN Client Isolation White List Rule ID.
	ruckusZDClientIsolationWhiteListRuleDescription	1.3.6.1.4.1.25053.1.2.2.2.1.1.16.1.3	Description for this Client Isolation White List Rule.

Table 15. WLAN Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDClientIsolationWhiteListRuleMac	1.3.6.1.4.1.25053.1.2.2.2.1.1.16.1.5	MAC address.
	ruckusZDClientIsolationWhiteListRuleDesAddr	1.3.6.1.4.1.25053.1.2.2.2.1.1.16.1.6	IP address.
	ruckusZDClientIsolationWhiteListRuleRowStatus	1.3.6.1.4.1.25053.1.2.2.2.1.1.16.1.1 0	Create, Delete Administration control for this Wireless LAN group attr. 1. ACTIVE state, only for read; 4. CREATEANDGO create a new table; 6. DESTROY, delete a existing table.

ZoneDirector AAA Configuration MIBs

5

In this chapter:

- [ZoneDirector AAA Configuration MIBs Overview](#)

ZoneDirector AAA Configuration MIBs Overview

The ZoneDirector AAA Configuration module contains objects for configuration of AAA server objects.

[Table 16](#) lists the node names, OIDs and descriptions of each object in the AAA Configuration MIB tree.

Table 16. ZoneDirector AAA server configuration MIB Tree

MIB Tree	Node Name	OID	Description
ruckusZDAAACo nfigTable	ruckusZDAAAConfigID	1.3.6.1.4.1.25053.1.2.2.3.1.1.1.1.1	AAA Directory Server ID.
	ruckusZDAAAConfigName	1.3.6.1.4.1.25053.1.2.2.3.1.1.1.1.2	Server name for this AAA or Directory Server. It can't be modified after creating.
	ruckusZDAAAConfigServiceType	1.3.6.1.4.1.25053.1.2.2.3.1.1.1.1.3	The Service type for this AAA or LDAP/Active Directory server. For current version, active-directory and ldap-directory are not supported (for set).

Table 16. ZoneDirector AAA server configuration MIB Tree

MIB Tree	Node Name	OID	Description
	ruckusZDAAAConfigRowStatus	1.3.6.1.4.1.25053.1.2.2.3.1.1.1.10	Row Status, Control of Add, Delete of the Directory Server. 1: ACTIVE state, only for read; 4: CREATEANDGO , create a new table; 6: DESTROY, delete an existing table.
ruckusZDAAASvr Table	ruckusZDAAARadiusBackupControl	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.5	Enable Primary-Secondary Backup scheme for this RADIUS Server.
	ruckusZDAAARadiusPrimarySvrIpAddress	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.10	The IP(V4 or V6) Address chosen for this RADIUS or Directory Server.
	ruckusZDAAARadiusPrimarySvrPort	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.11	The port number chosen for this RADIUS Server. for auth, the value should be 1812; for account, the value should be 1813.
	ruckusZDAAARadiusPrimarySvrPassword	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.12	The Password entered for this RADIUS Server.
	ruckusZDAAARadiusSecondarySvrIpAddress	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.15	The IP(V4 or V6) Address for the backup RADIUS Server.

Table 16. ZoneDirector AAA server configuration MIB Tree

MIB Tree	Node Name	OID	Description
	ruckusZDAAAARadiusSecondarySvrPort	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.16	The port number for the backup RADIUS Server.
	ruckusZDAAAARadiusSecondarySvrPassword	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.17	The Password for the backup RADIUS Server.
	ruckusZDAAAARadiusFailoverTimeout	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.20	The timeout in seconds configured for RADIUS Server Failover for the Server.
	ruckusZDAAAARadiusFailoverRetry	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.21	The number of reconnect retry configured for RADIUS Server Failover for the Server.
	ruckusZDAAAARadiusFailoverReconnectPrimary	1.3.6.1.4.1.25053.1.2.2.3.1.1.2.1.22	The number of seconds configured for RADIUS Server to reconnect to the Primary Server

ZoneDirector AP Configuration MIBs

6

In this chapter:

- [ZoneDirector AP Configuration MIBs Overview](#)
- [AP Configuration MIBs](#)

ZoneDirector AP Configuration MIBs Overview

The objects contained in the RUCKUS-ZD-AP-MIB.txt file provide Access Point configuration options including AP name, IP address settings, radio settings and mesh settings.

The following tables list the objects within each top-level MIB tree in the RUCKUS-ZD-AP-MIB.txt file.

AP Configuration MIBs

[Table 17](#) lists the node names, OIDs and descriptions of each object in the AP Configuration MIB tree.

Table 17. AP Configuration MIBs

MIB Tree	Node Name	OID	Description
ruckusZDAPConfig (SNMPv3 only)	ruckusZDAPConfigID	1.3.6.1.4.1.25053.1.2.1.1.1.1.1	AP ID.Max value:for zd1000,50;for zd1100,100;for zd3000,500;zd5000,1000.
	ruckusZDAPConfigMacAddress	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.2	AP MAC Address.
	ruckusZDAPConfigAPModel	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.4	AP Model.
	ruckusZDAPConfigDeviceName	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.5	AP Name.
	ruckusZDAPConfigDescription	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.6	AP Description.
	ruckusZDAPConfigLocation	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.7	AP Location.
	ruckusZDAPConfigGpsLatitude	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.10	The AP GPS location measured. the range is '-90,90'.

Table 17. AP Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDAPConfigGpsLongitude	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.11	The AP GPS location measured. the range is '-180,180'.
	ruckusZDAPConfigIPVersion	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.14	The AP IP version.
	ruckusZDAPConfigIpAddressSetting Mode	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.15	"The AP IP address configuration setting control.
	ruckusZDAPConfigIpAddress	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.16	The AP IP address.
	ruckusZDAPConfigIpAddressMask	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.17	The AP IP address mask.
	ruckusZDAPConfigGatewayIpAddresses	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.20	The AP Gateway IP Address.
	ruckusZDAPConfigIpV6AddressSettingMode	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.21	"The AP IPV6 address configuration setting control.
	ruckusZDAPConfigIpV6Address	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.22	The AP IPV6 address.
	ruckusZDAPConfigIpV6PrefixLen	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.23	The AP IPV6 prefix length.
	ruckusZDAPConfigGatewayIpV6Address	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.24	The AP Gateway IPV6 Address.
	ruckusZDAPConfigPrimaryDnsIpAddress	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.25	The AP Primary DNS IP Address.
	ruckusZDAPConfigSecondaryDnsIpAddress	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.26	The AP Secondary DNS IP Address.
	ruckusZDAPConfigPrimaryDnsIpV6Address	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.27	The AP Primary DNS IPV6 Address.

Table 17. AP Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDAPConfigSecondaryDnsV6IpAddress	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.28	The AP Secondary DNS IPV6 Address.
	ruckusZDAPConfigRadioType	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.30	The AP Wireless type.
	ruckusZDAPConfigRadioChannel24	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.31	"The AP Channel selection on the 2.4 GHz radio.
	ruckusZDAPConfigRadioTxPowerLevel24	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.32	The AP Tx Power level selection on the 2.4 GHz radio.
	ruckusZDAPConfigRadioWlanGroup24	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.33	The AP WLAN group (name) selection on the 2.4 GHz radio.
	ruckusZDAPConfigRadioEnableWlanService24	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.34	The AP enable wlan service flag on the 2.4 GHz radio.
	ruckusZDAPConfigRadioChannel5	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.40	"The AP Channel selection on the 5 GHz radio.
	ruckusZDAPConfigRadioTxPowerLevel5	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.41	The AP Tx Power level selection on the 5 GHz radio.
	ruckusZDAPConfigRadioWlanGroup5	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.42	The AP WLAN group (name) selection on the 5 GHz radio.
	ruckusZDAPConfigRadioEnableWlanService5	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.43	The AP enable wlan service flag on the 5 GHz radio.

Table 17. AP Configuration MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDAPConfigMeshConfigurationMode	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.50	The AP Mesh network configuration mode.
	ruckusZDAPConfigUplinkSelectionMode	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.51	The AP network uplink selection mode. For manual, now 'set' is not supported.
	ruckusZDAPConfigApproveMode	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.52	AP approval state. For not-approved, 'set' is not supported.
	ruckusZDAPConfigManagementAdmin	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.60	Admin action to remove this AP from the ZD management.
	ruckusZDAPConfigAutoReboot	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.62	Enable AP auto reboot.
	ruckusZDAPConfigAutoRebootPeriod	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.63	AP auto reboot period.
	ruckusZDAPConfigRebootNow	1.3.6.1.4.1.25053.1.2.2.4.1.1.1.1.64	AP reboot right now.

Appendix - Changes in This Version

7

In this chapter:

- [MIB Changes in 9.8](#)
- [ZoneDirector SNMP MIB Changes](#)

MIB Changes in 9.8

The following tables list the node name and OID changes in version 9.8. For a list of changes between version 9.7 and earlier versions, see the *ZoneDirector 9.7 SNMP Reference Guide*, “Appendix - Changes in this Version” section.

ZoneDirector SNMP MIB Changes

The following section lists the changes in ZoneDirector SNMP MIBs between version 9.7 and 9.8.

ZD System MIB Changes

[Table 18](#) lists the changes in the RUCKUS-ZD-SYSTEM-MIB.txt file in this version.

Table 18. ZoneDirector System MIB changes in this version

MIB Tree	OID	Node Name	Change
ruckusZDSystemStats	ruckusZDSystemStatsNumRegAP	1.3.6.1.4.1.25053.1.2.1.1.1.15.18	New in 9.8
	ruckusZDSystemStatsMonitorPeriod	1.3.6.1.4.1.25053.1.2.1.1.1.15.22	New in 9.8

ZD Products MIB Changes

[Table 19](#) lists the changes in the RUCKUS-PRODUCTS-MIB.txt file.

Table 19. Ruckus ZD Products MIB changes in this version

MIB Tree	Node Name	OID	Change
RUCKUS-PRODUCTS-MIB.txt	ruckusR700	1.3.6.1.4.1.25053.3.1.4.68	New in 9.8



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