



# Ruckus Wireless™ ZoneDirector™

## Release 9.9 SNMP Reference Guide

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# About This Guide

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

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**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.

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

Table 2. Notice conventions

Notice Type	Description
<b>NOTE</b>	Information that describes important features or instructions

Table 2. Notice conventions

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

## Related Documentation

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

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When contacting us, please include the following information:

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

For example:

- ZoneDirector 9.9 SNMP Reference Guide
- Part number: 800-70764-001 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
<i>Objects</i>	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

### **ruckusZDEventLBSAdminEnabled**

Name ruckusZDEventLBSAdminEnabled

OID 1.3.6.1.4.1.25053.2.2.1.120  
Severity Medium  
Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] Admin enables location database server.  
Recommended Actions  
None

### **ruckusZDEventLBSAdminDisabled**

Name ruckusZDEventLBSAdminDisabled  
OID 1.3.6.1.4.1.25053.2.2.1.121  
Severity Medium  
Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] Admin disables location database server.  
Recommended Actions  
None

### **ruckusZDEventLBSZDLSCONNECTIONUp**

Name ruckusZDEventLBSZDLSCONNECTIONUp  
OID 1.3.6.1.4.1.25053.2.2.1.122  
Severity Medium  
Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] Connection between ZD and LS server up  
Recommended Actions  
None

### **ruckusZDEventLBSZDLSCONNECTIONDown**

Name ruckusZDEventLBSZDLSCONNECTIONDown  
OID 1.3.6.1.4.1.25053.2.2.1.123  
Severity Medium



Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] Connection between ZD and LS server down  
Recommended Actions  
None

### **ruckusZDEventLBSReceiveCMDFootfall**

Name ruckusZDEventLBSReceiveCMDFootfall  
OID 1.3.6.1.4.1.25053.2.2.1.124  
Severity Medium  
Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] ZD receives passive tracking footfall command from LS.  
Recommended Actions  
None

### **ruckusZDEventLBSReceiveCMDCalibration**

Name ruckusZDEventLBSReceiveCMDCalibration  
OID 1.3.6.1.4.1.25053.2.2.1.125  
Severity Medium  
Status current  
Objects ruckusZDEventIPAddr  
Description [LBS] ZD receives passive tracking calibration command from LS.  
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
ruckusZDSys- tem ExpInfo	ruckusZDSys- temNEId	1.3.6.1.4.1.25053.1.2.1.1.1.5.50	NE ID
	ruckusZDSys- temManufacturer	1.3.6.1.4.1.25053.1.2.1.1.1.5.51	Manufacturer
	ruckusZDSys- temSoftwareName	1.3.6.1.4.1.25053.1.2.1.1.1.5.52	Software name
	ruckusZDSys- temCPUUtil	1.3.6.1.4.1.25053.1.2.1.1.1.5.58	CPU utilization
	ruckusZDSys- temMemoryUtil	1.3.6.1.4.1.25053.1.2.1.1.1.5.59	Memory utilization
	ruckusZDSys- temMemorySize	1.3.6.1.4.1.25053.1.2.1.1.1.5.60	Memory size
	ruckusZDSys- temFlashFreeSize	1.3.6.1.4.1.25053.1.2.1.1.1.5.65	Flash free size
	ruckusZDSys- temMgmtVlanID	1.3.6.1.4.1.25053.1.2.1.1.1.5.67	Management VLAN ID
	ruckusZDSys- temCPUModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.70	CPU model
	ruckusZDSys- temtCPUSpeed	1.3.6.1.4.1.25053.1.2.1.1.1.5.71	CPU speed
	ruckusZDSys- temtFlashModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.72	Flash model
	ruckusZDSys- temtMemModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.73	Memory model
	ruckusZDSys- temStartTime	1.3.6.1.4.1.25053.1.2.1.1.1.5.74	System startup time
	ruckusZDSys- temCurrentTime	1.3.6.1.4.1.25053.1.2.1.1.1.5.80	System current time
	ruckusZDSys- temAPFirmwareServer	1.3.6.1.4.1.25053.1.2.1.1.1.5.81	AP firmware download server
	ruckusZDSys- temAPConfigServer	1.3.6.1.4.1.25053.1.2.1.1.1.5.82	AP configuration server
	ruckusZDSys- temIDSAllowedESSID	1.3.6.1.4.1.25053.1.2.1.1.1.5.85	Allowed ESSIDs
	ruckusZDSys- temIDSAllowBSSID	1.3.6.1.4.1.25053.1.2.1.1.1.5.86	Allowed BSSIDs
	ruckusZDSys- temIDSAllowOUI	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 (ruckusZDSystemServices) 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
	ruckusZDSystemSMTEncryptionOptions	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 SNMPV2TrapSvr Table	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)
	ruckusZDSystemSNMPV2TrapSvrRow Status	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
ruckusZDSystemSNMPV3TrapSvrTable	ruckusZDSystemSNMPV3TrapSvrIndex	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.1	SNMPv3 Trap server index
	ruckusZDSystemSNMPV3TrapServer	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.5	SNMPv3 Trap server index
	ruckusZDSystemSNMPV3TrapUser	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.8	SNMPv3 trap user
	ruckusZDSystemSNMPV3TrapAuth	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.10	SNMPv3 trap auth
	ruckusZDSystemSNMPV3TrapAuthKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.11	SNMPV3 trap auth key
	ruckusZDSystemSNMPV3TrapPrivacy	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.15	SNMPv3 trap privacy
	ruckusZDSystemSNMPV3TrapPrivacyKey	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.16	SNMPv3 trap privacy key
ruckusZDSystemSNMPV3TrapSvrRowStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.36.1.20	SNMPv3 trap server row status	
ruckusZDSystemSNMPV2Table	ruckusZDSystemSNMPEnable	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5.1.2	SNMP enabled/disabled status
	ruckusZDSystemSNMPROCommunity	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5.1.5	SNMP RO community string
	ruckusZDSystemSNMPRWCommunity	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5.1.6	SNMP RW community string
	ruckusZDSystemSNMPSysContact	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5.1.7	SNMP system contact
	ruckusZDSystemSNMPSysLocation	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.5.1.8	SNMP system location
ruckusZDSystemSNMPV3Table	ruckusZDSystemSNMPV3Enable	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.2	SNMPv3 enabled/disabled status
	ruckusZDSystemSNMPV3RoUser	1.3.6.1.4.1.25053.1.2.1.1.1.12.15.8.1.5	SNMPv3 RO user
	ruckusZDSystemSNMPV3RoAuth	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*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
ruckusZDSystemLoadBalanceInfo	ruckusZDSystemLoadBalance24GStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.1	Load balancing status 2.4 GHz
	ruckusZDSystemLoadBalance5GStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.2	Load balancing status 5 GHz

Table 7. System Load Balancing Info MIB tree

MIB Tree	Node Name	OID	Description
	ruckusZDSystemLoadBalanceAdjacent24GThreshold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.3	Load balancing user threshold 2.4 GHz
	ruckusZDSystemLoadBalanceAdjacent5GThreshold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.4	Load balancing user threshold 5 GHz

## 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.
	ruckusZDSystemStatsWLANTotalRxErrorFrm	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*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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.
	ruckusZF7761CMSSHSservice	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*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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	R300
	ruckusR700	1.3.6.1.4.1.25053.3.1.4.68	R700
	ruckusR500	1.3.6.1.4.1.25053.3.1.4.71	R500
	ruckusr600	1.3.6.1.4.1.25053.3.1.4.72	R600
	ruckusT300	1.3.6.1.4.1.25053.3.1.4.74	T300
	ruckusT300E	1.3.6.1.4.1.25053.3.1.4.75	T300E
	ruckusT301N	1.3.6.1.4.1.25053.3.1.4.76	T301N
	ruckusT301S	1.3.6.1.4.1.25053.3.1.4.77	T301S

# 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
	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

Table 14. Ruckus Wireless Metro Products MIBs

MIB Tree	Node Name	OID	Description
	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
	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
	ruckusZD1200	1.3.6.1.4.1.25053.3.1.5.15	ZD 1200
	ruckusZD1200SystemName	1.3.6.1.4.1.25053.3.1.5.15.1	System name
	ruckusZD1200SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.15.2	IP address
	ruckusZD1200SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.15.3	MAC address
	ruckusZD1200SystemUptime	1.3.6.1.4.1.25053.3.1.5.15.4	Uptime
	ruckusZD1200SystemModel	1.3.6.1.4.1.25053.3.1.5.15.5	Model
	ruckusZD1200SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.15.6	Licensed APs
	ruckusZD1200SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.15.7	Serial number
	ruckusZD1200SystemVersion	1.3.6.1.4.1.25053.3.1.5.15.8	Software version
	ruckusZD1200CountryCode	1.3.6.1.4.1.25053.3.1.5.15.9	Country code



# ZoneDirector WLAN MIBs

# 4

In this chapter:

- [ZoneDirector WLAN MIBs Overview](#)
- [WLAN Info MIBs](#)
- [WLAN AP Info MIBs](#)
- [WLAN AP Radio Stats MIBs](#)
- [WLAN VAP Table MIBs](#)
- [WLAN Interface Table MIBs](#)
- [WLAN AP Ethernet Status Table MIBs](#)
- [WLAN Station Info MIBs](#)
- [WLAN Rogue Info MIBs](#)



## ZoneDirector WLAN MIBs Overview

The objects contained in the RUCKUS-ZD-WLAN-MIB.txt file provide WLAN information including SSID, encryption settings, transmission statistics, WLAN APs, radio stats, stations and rogue information.

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

### WLAN Info MIBs

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

*Table 15. WLAN Info MIBs*

MIB Tree	Node Name	OID	Description
ruckusZDWLANable	ruckusZDWLANSSID	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.1	SSID.
	ruckusZDWLANDescription	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.2 1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.3	WLAN Description.
	ruckusZDWLANAuthentication	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.3	Authentication method.
	ruckusZDWLANEncryption	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.4	Encryption method.
	ruckusZDWLANIsGuest	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.5	This WLAN is for guest access.
	ruckusZDWLANSSIDBcastDisable	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.6	Hide SSID.
	ruckusZDWLANVlanID	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.7	Specifies the VLAN ID of the WLAN. If VLAN ID is 1, packets from this WLAN will be untagged.

Table 15. WLAN Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANRateLimitingUp	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.8	Rate limiting of uplink.
	ruckusZDWLANRateLimitingDown	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.9	Rate limiting of downlink.
	ruckusZDWLANNTunnelWLAN	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.10	Tunnel WLAN.
	ruckusZDWLANNumVAP	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.11	Number of APs.
	ruckusZDWLANNumSta	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.12	Number of client devices.
	ruckusZDWLANRxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.13	Received packets.
	ruckusZDWLANRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.14	Received bytes.
	ruckusZDWLANTxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.15	Transmitted packets.
	ruckusZDWLANTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.16	Transmitted bytes.
	ruckusZDWLANAuthTotal	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.26	Accumulated total number of attempt to authenticate by wireless terminals on this WLAN, or Authentication request.
	ruckusZDWLANAuthResp	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.27	Authentication response.
	ruckusZDWLANAuthSuccess	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.28	Accumulated total number of success out of Wireless authentication attempts.
	ruckusZDWLANAuthFail	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.29	Authentication fail.

Table 15. WLAN Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAssocTotal	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.30	Accumulated total number of access of wireless terminal on this WLAN, or Association request.
	ruckusZDWLANAssocResp	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.31	Association response.
	ruckusZDWLANReassocReq	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.32	Reassociation request.
	ruckusZDWLANReassocResp	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.33	Reassociation response.
	ruckusZDWLANAssocSuccess	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.34	Association success.
	ruckusZDWLANAssocFail	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.3	Association fail.
	ruckusZDWLANAssocDenied	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.36	Association denied.
	ruckusZDWLANDiassocAbnormal	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.37	Disassociation request due to abnormal causes.
	ruckusZDWLANDiassocCapacity	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.38	Disassociation request due to device capacity.
	ruckusZDWLANDiassocLeave	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.39	Disassociation request due to client leave.
	ruckusZDWLANDiassocMisc	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.40	Disassociation request due to other reasons.
	ruckusZDWLANRxByteRate	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.41	Received rate byte/s in last 5 minutes.

Table 15. WLAN Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANTxByteRate	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.42	Transmitted rate byte/s in last 5 minutes.
	ruckusZDWLANRxDataFrameOnLan	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.43	Received Data Frame Number on Lan interface.
	ruckusZDWLANRxByteOnLan	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.44	Received Data Bytes on Lan interface.
	ruckusZDWLANTxByteOnLan	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.45	Transmitted Data Bytes on Lan interface.
	ruckusZDWLANDownDropFrame	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.46	Drop Frame Number on Downlink of Wireless.
	ruckusZDWLANDownRetxFram	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.47	Retransmitted Frame Number on Downlink of Wireless.
	ruckusZDWLANDownTotalFrame	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.48	Total Frame Number on Downlink of Wireless.
	ruckusZDWLANDownTotalErrFrame	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.49	Total Error Frame Number on Downlink of Wireless.
	ruckusZDWLANUpTotalFrame	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.50	Total Frame Number on Uplink of Wireless.
	ruckusZDWLANUpDropFrame	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.51	Drop Frame Number on Uplink of Wireless.

Table 15. WLAN Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANUpRetxFrme	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.52	Retransmitted Frame Number on Uplink of Wireless.
	ruckusZDWLANNAME	1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.108	WLAN NAME.

## WLAN AP Info MIBs

Use the ZoneDirector WLAN AP Info MIBs to view WLAN AP settings information. [Table 16](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANAPIInfo MIB tree.

Table 16. WLAN AP Info MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLAN APTable	ruckusZDWLANAPMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.1	MAC address.
	ruckusZDWLANAPDescription	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.2	Description.
	ruckusZDWLANAPStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.3	The connection status with ZD.
	ruckusZDWLANAPModel	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.4	Model name.
	ruckusZDWLANAPSerialNumber	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.5	Serial number.
	ruckusZDWLANAPUptime	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.6	Up time.
	ruckusZDWLANAPSWversion	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.7	Software version.
	ruckusZDWLANAPHWversion	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.8	Hardware version.
	ruckusZDWLANAPIPAddrMode	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.9	IP mode.
	ruckusZDWLANAPIPAddr	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.10	IP address.

Table 16. WLAN AP Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPNumRadios	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.13	Number of radios.
	ruckusZDWLANAPNumVAP	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.14	Number of APs.
	ruckusZDWLANAPNumSta	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.15	Total number of authenticated terminal which is using currently on this AP.
	ruckusZDWLANAPNumRogues	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.16	Number of rogue devices.
	ruckusZDWLANAPConnectionMode	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.17	The connection mode with ZD.
	ruckusZDWLANAPMeshEnable	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.18	Mesh enable.
	ruckusZDWLANAPMeshHops	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.19	Number of mesh hops.
	ruckusZDWLANAPMeshType	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.20	Mesh type.
	ruckusZDWLANAPLANStatsRXByte	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.21	Bytes received on LAN port.
	ruckusZDWLANAPLANStatsRXpkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.22	Packets received on LAN port.
	ruckusZDWLANAPLANStatsRXpktErr	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.23	Packets received erroneously on LAN port.
	ruckusZDWLANAPLANStatsRXPKTSucc	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.24	Packets received successfully on LAN port.
	ruckusZDWLANAPLANStatsTXByte	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.25	Bytes transmitted on LAN port.
	ruckusZDWLANAPLANStatsTXpkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.26	Packets transmitted on LAN port.
	ruckusZDWLANAPMemUtil	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.27	Memory utilization percentage.

Table 16. WLAN AP Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPMemTotal	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.28	Total memory in KB.
	ruckusZDWLANAPCPUUtil	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.29	CPU utilization percentage.
	ruckusZDWLANAPFWSize	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.30	Firmware partition size in byte.
	ruckusZDWLANAPFWAvail	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.31	Firmware partition available size in byte.
	ruckusZDWLANAPMultipleVlanCapability	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.32	AP support multiple vlan capability.
	ruckusZDWLANAP11bCapable	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.36	Support 802.11b.
	ruckusZDWLANAP11gCapable	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.37	Support 802.11g.
	ruckusZDWLANAPMultiModeAccess Status	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.38	Support simultaneously connections from 11a/b/g clients.
	ruckusZDWLANAPEthStateChange	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.39	Ethernet port up/down count.
	ruckusZDWLANAPSyncConf	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.41	Manually push configuration to this AP.
	ruckusZDWLANAPUpgrade	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.42	Upgrade this AP.
	ruckusZDWLANAPFirstJoinTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.43	Time of first join.
	ruckusZDWLANAPLastBootTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.44	Time of last boot.
	ruckusZDWLANAPLastUpgradeTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.45	Time of last firmware upgrade.
	ruckusZDWLANAPLastConfSyncTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.46	Time of last configuration synchronization.

Table 16. WLAN AP Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPLANStatsRXPKTB cast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.47	Broadcast packets received successfully on LAN port.
	ruckusZDWLANAPLANStatsRXPKTM cast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.48	Multicast packets received successfully on LAN port.
	ruckusZDWLANAPLANStatsRXPKTU cast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.49	Unicast packets received successfully on LAN port.
	ruckusZDWLANAPLANStatsTXPKTBc ast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.50	Broadcast packets transmitted successfully on LAN port.
	ruckusZDWLANAPLANStatsTXPKTM cast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.51	Multicast packets transmitted successfully on LAN port.
	ruckusZDWLANAPLANStatsTXPKTU cast	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.52	Unicast packets transmitted successfully on LAN port.
	ruckusZDWLANAPLANStatsDropped	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.53	Number of packets dropped on LAN port.
	ruckusZDWLANAPMeshUpPortCntU pdown	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.54	/updown count of AP as a up port node in mesh mode.
	ruckusZDWLANAPMeshDownPortCn tUpdown	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.55	/updown count of AP as a down port node in mesh mode.



Table 16. WLAN AP Info MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPTxFramDropped	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.57	Dropped Frame count of AP wireless transmitted.
	ruckusZDWLANAPTxFramError	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.58	Error Frame count of AP wireless transmitted.
	ruckusZDWLANAPCoverageTech	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.59	AP's coverage technology.
	ruckusZDWLANAPStaTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.61	Client send data to this AP.(kbytes)
	ruckusZDWLANAPStaRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.62	Client receive data from this AP.(kbytes)
	ruckusZDWLANAPNetmask	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.10 0	Netmask address.
	ruckusZDWLANAPGateway	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.10 1	Gateway address.
	ruckusZDWLANAPIpv4DNSSvr1	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.10 5	Primary DNS address.
	ruckusZDWLANAPIpv4DNSSvr2	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.10 6	Second DNS address.
	ruckusZDWLANAPTtotalUser	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.11 0	Total number of client AP can support.
	ruckusZDWLANAPLANStatsRXByteRate	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.11 1	Bytes rate received on LAN port each 90s.
	ruckusZDWLANAPLANStatsTXByteRate	1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.11 2	Bytes rate transmitted on LAN port each 90s.

## WLAN AP Radio Stats MIBs

Use the ZoneDirector WLAN AP Info MIBs to view WLAN AP settings information.

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

Table 17. ZD WLAN AP Radio Stats Table MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLANAPRadioStatsTable	ruckusZDWLANAPRadioStatsAPMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.1	AP MAC address.
	ruckusZDWLANAPRadioStatsRadioIndex	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.2	Radio index of the AP.
	ruckusZDWLANAPRadioStatsRadioType	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.3	Radio type.
	ruckusZDWLANAPRadioStatsChannel	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.4	Radio channel.
	ruckusZDWLANAPRadioStatsTxPower	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.5	Transmit power of radio.
	ruckusZDWLANAPRadioStatsMeshEnable	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.6	Mesh enable.
	ruckusZDWLANAPRadioStatsNumVAP	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.7	Number of APs.
	ruckusZDWLANAPRadioStatsNumSta	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.8	Number of stations.
	ruckusZDWLANAPRadioStatsAvgStaRSSI	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.9	Average client RSSI.
	ruckusZDWLANAPRadioStatsRxPackets	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.10	Received packets.
	ruckusZDWLANAPRadioStatsRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.11	Received bytes.

Table 17. ZD WLAN AP Radio Stats Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPRadioStatsRxMulticast	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.12	Received multicast packets.
	ruckusZDWLANAPRadioStatsTxPackets	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.13	Transmitted packets.
	ruckusZDWLANAPRadioStatsTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.14	Transmitted bytes.
	ruckusZDWLANAPRadioStatsTxMulticast	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.15	Transmitted multicast packets.
	ruckusZDWLANAPRadioStatsTxFail	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.16	Transmitted fail packets.
	ruckusZDWLANAPRadioStatsTxRetries	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.17	Transmitted retry packets.
	ruckusZDWLANAPRadioStatsPowerMgmt	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.18	Power management enable.
	ruckusZDWLANAPRadioStatsMaxStations	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.19	Number of max stations allowed.
	ruckusZDWLANAPRadioStatsFrameErrorRate	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.20	Frame error rate.
	ruckusZDWLANAPRadioStatsFrameRetryRate	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.21	Frame retry rate.
	ruckusZDWLANAPRadioStatsMonitoredTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.22	Monitored time.
	ruckusZDWLANAPRadioStatsTotalAssocTime	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.24	Client total association time.
	ruckusZDWLANAPRadioStatsAuthReq	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.25	Authentication request.
	ruckusZDWLANAPRadioStatsAuthResp	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.26	Authentication response.

Table 17. ZD WLAN AP Radio Stats Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPRadioStatsAuthSuccess	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.27	Authentication success.
	ruckusZDWLANAPRadioStatsAuthFail	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.28	Authentication fail.
	ruckusZDWLANAPRadioStatsAssocReq	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.29	Association request.
	ruckusZDWLANAPRadioStatsAssocResp	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.30	Association response.
	ruckusZDWLANAPRadioStatsReassocReq	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.31	Reassociation request.
	ruckusZDWLANAPRadioStatsReassocResp	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.32	Reassociation response.
	ruckusZDWLANAPRadioStatsAssocSuccess	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.33	Association success.
	ruckusZDWLANAPRadioStatsAssocFail	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.34	Association fail.
	ruckusZDWLANAPRadioStatsAssocDenied	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.35	Association denied.
	ruckusZDWLANAPRadioStatsDisassocAbnormal	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.36	Disassociation request due to abnormal causes.
	ruckusZDWLANAPRadioStatsDisassocCapacity	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.37	Disassociation request due to device capacity.
	ruckusZDWLANAPRadioStatsDisassocLeave	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.38	Disassociation request due to client leave.
	ruckusZDWLANAPRadioStatsDisassocMisc	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.39	Disassociation request due to other reasons.
	ruckusZDWLANAPRadioStatsResourceUtil	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.40	Resource utilization.

Table 17. ZD WLAN AP Radio Stats Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPRadioStatsRxSignalFrm	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.41	Received signal frames.
	ruckusZDWLANAPRadioStatsTxSignalFrm	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.42	Transmitted signal frames.
	ruckusZDWLANAPRadioStatsTotalSignalFrm	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.43	Total signal frames.
	ruckusZDWLANAPRadioStatsAntennaGain	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.44	Get antenna gain.
	ruckusZDWLANAPRadioStatsBeaconPeriod	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.45	Get beacon period.
	ruckusZDWLANAPRadioStatsRTSThreshold	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.46	Get RTS threshold.
	ruckusZDWLANAPRadioStatsFragThreshold	1.3.6.1.4.1.25053.1.2.2.1.1.2.2.1.47	Get fragment threshold.

## WLAN VAP Table MIBs

Use the ZoneDirector WLAN VAP Info MIBs to view WLAN VAP settings information.

[Table 18](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANVapTable MIB tree.

Table 18. ZD WLAN VAP Table MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLANVapTable	ruckusZDWLANVapBSSID	1.3.6.1.4.1.25053.1.2.2.1.1.2.3.1.1	The VAP's BSSID ,it is a MAC Address.
	ruckusZDWLANVapPAPAddr	1.3.6.1.4.1.25053.1.2.2.1.1.2.3.1.2	The MAC address of the Parent's AP.

Table 18. ZD WLAN VAP Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANVapSSID	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.3	SSID of VAP.
	ruckusZDWLANVapLanRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.6	Received bytes on LAN in VAP.
	ruckusZDWLANVapLanTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.7	Transmitted bytes on LAN in VAP.
	ruckusZDWLANVapWlanRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.8	Received bytes on WLAN in VAP.
	ruckusZDWLANVapWlanTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.9	Transmitted bytes on WLAN in VAP.
	ruckusZDWLANVapWlanRxRxError Pkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.11	Received error packet on WLAN in VAP.
	ruckusZDWLANVapWlanRxUnicast Pkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.12	Received unicast packet on WLAN in VAP.
	ruckusZDWLANVapWlanTxUnicast Pkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.13	Transmitted unicast packet on WLAN in VAP.
	ruckusZDWLANVapWlanRxPkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.14	Received packet on WLAN in VAP.
	ruckusZDWLANVapWlanRxDropPkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.15	Received dropped packet on WLAN in VAP.
	ruckusZDWLANVapWlanTxErrPkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.16	Transmitted error packet on WLAN in VAP.
	ruckusZDWLANVapWlanTxPkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3. 1.17	Transmitted packet on WLAN in VAP.

Table 18. ZD WLAN VAP Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANVapWlanTxDropPkt	1.3.6.1.4.1.25053.1.2.2.1.1.2.3.1.18	Transmitted dropped packet on WLAN in VAP.

## WLAN Interface Table MIBs

Use the ZoneDirector WLAN VAP Info MIBs to view WLAN IF settings information.

[Table 19](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANIfTable MIB tree.

Table 19. WLAN Interface Table MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLANIfTable	ruckusZDWLANAPMac	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.1	The AP's Mac Address.
	ruckusZDWLANAPIfIndex	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.2	The index of Interface in AP.
	ruckusZDWLANAPIfDescr	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.3	The Description information for this interface.
	ruckusZDWLANAPIfType	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.4	The type of interface.
	ruckusZDWLANAPIfMtu	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.5	The size of the largest packet which can be sent/received.
	ruckusZDWLANAPIfSpeed	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.6	An estimate of the interface's current bandwidth in bits.

Table 19. WLAN Interface Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPIfPhysAddress	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.7	The interface's mac address.
	ruckusZDWLANAPIfAdminStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.8	The desired state of the interface: up(1), down(2), testing(3).
	ruckusZDWLANAPIfOperStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.9	The current operational state of the interface: up(1), down(2), testing(3), unknown(4), dormant(5), notPresent(6), lowerLayerDown(7).
	ruckusZDWLANAPIfInOctets	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.10	The total number of octets received on the interface.
	ruckusZDWLANAPIfInUcastPkts	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.11	The total number of unicast packets received on the interface.
	ruckusZDWLANAPIfInNUcastPkts	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.12	The total number of multicast and broadcast packets received on the interface.



Table 19. WLAN Interface Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPIfInDiscards	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.13	The number of inbound packets which were chosen to be discarded even though no errors had been detected .
	ruckusZDWLANAPIfInErrors	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.14	The number of inbound packets that contained errors.
	ruckusZDWLANAPIfInUnknownProtos	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.15	The number of packets received via the interface which were discarded because of an unknown or unsupported protocol.
	ruckusZDWLANAPIfOutOctets	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.16	The total number of octets transmitted out of the interface.
	ruckusZDWLANAPIfOutUcastPkts	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.17	The total number of unicast packets transmitted out of the interface.

Table 19. WLAN Interface Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANAPIfOutNUcastPkts	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.18	The total number of multicast and broadcast packets transmitted out of the interface.
	ruckusZDWLANAPIfOutDiscards	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.19	The number of outbound packets which were chosen to be discarded even though no errors had been detected.
	ruckusZDWLANAPIfOutErrors	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.20	The number of outbound packets that could not be transmitted because of errors.
	ruckusZDWLANAPIfName	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.21	The name of interface.
	ruckusZDWLANAPIfNameDefined	1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.22	The alias of interface.

## WLAN AP Ethernet Status Table MIBs

Use the ZoneDirector WLAN AP Ethernet Status MIBs to view WLAN AP Ethernet status information. [Table 20](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANAPEthStatusTable MIB tree.

Table 20. ZD WLAN AP Ethernet Status Table MIBs

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
ruckusZDWLAN APEthStatusTable	ruckusZDWLANAPMacAddress	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.1	The AP's Mac Address.
	ruckusZDWLANAPEthPortId	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.2	The ap ethernet port id.
	ruckusZDWLANAPEthIfname	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.5	The name of interface.
	ruckusZDWLANAPEthDot1xStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.6	The ap ethernet port Dot1xStatus.
	ruckusZDWLANAPEthLogicalStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.7	The ap ethernet port logical status.
	ruckusZDWLANAPEthPhyStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.8	The ap ethernet port physical status.
	ruckusZDWLANAPEthPhyIfSpeed	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.9	The ap ethernet interface's current bandwidth in Mbits,.
	ruckusZDWLANAPEthPhyLinkStatus	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.10	The ap ethernet port physical link status.
	ruckusZDWLANAPEthLabel	1.3.6.1.4.1.25053.1.2.2.1.1.2.8. 1.11	The ap ethernet port label.

## WLAN Station Info MIBs

Use the ZoneDirector WLAN Station Info MIBs to view WLAN station information. [Table 21](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANStaInfo MIB tree.

Table 21. ZD WLAN Station Table MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLANStaTable	ruckusZDWLANStaMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.1	The station's MAC Address.
	ruckusZDWLANStaAPMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.2	The MAC address of the associated AP.
	ruckusZDWLANStaBSSID	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.3	BSSID of WLAN.
	ruckusZDWLANStaSSID	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.4	SSID.
	ruckusZDWLANStaUser	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.5	Logged username of the client.
	ruckusZDWLANStaRadioType	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.6	Radio type.
	ruckusZDWLANStaChannel	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.7	Radio channel.
	ruckusZDWLANStaIPAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.8	IP address.
	ruckusZDWLANStaAvgRSSI	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.9	Averaged RSSI.
	ruckusZDWLANStaRxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.10	Received packets.
	ruckusZDWLANStaRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.11	Received bytes.
	ruckusZDWLANStaTxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.12	Transmitted packets.

Table 21. ZD WLAN Station Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANStaTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.13	Transmitted bytes.
	ruckusZDWLANStaRetries	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.14	Transmitted retries.
	ruckusZDWLANStaAssocTime	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.15	The time client has been associated.
	ruckusZDWLANStaRxError	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.16	Received error packets.
	ruckusZDWLANStaTxSuccess	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.17	Successful transmitted packets.
	ruckusZDWLANSta11bgReassoc	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.18	Reassociate count on B/G RF.
	ruckusZDWLANStaAssocTimestamp	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.19	The timestamp client associated.
	ruckusZDWLANStaRetryBytes	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.20	Transmitted retry bytes.
	ruckusZDWLANStaSNR	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.21	Station's Signal to Noise Ratio.
	ruckusZDWLANStaRxDrop	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.22	Drop transmitted packets.
	ruckusZDWLANStaTxDrop	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.23	Drop received packets.
	ruckusZDWLANStaTxError	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.24	Transmitted error packets.
	ruckusZDWLANStaVlanID	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.30	VLAN ID of the station. 1 for not specified.

Table 21. ZD WLAN Station Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWLANStaAuthMode	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.80	Authentication mode of authenticated terminal.
	ruckusZDWLANStaSignalStrength	1.3.6.1.4.1.25053.1.2.2.1.1.3.1.1.81	Signal strength.
ruckusZDWiredStaTable			
	ruckusZDWiredStaMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.1	The station's MAC Address.
	ruckusZDWiredStaAPMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.3	The MAC address of the associated AP.
	ruckusZDWiredStaIPAddr	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.5	IP address.
	ruckusZDWiredStaIPv6Addr	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.6	IPv6 Address
	ruckusZDWiredStaVlanID	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.8	VLAN ID of the station. 1 for not specified.
	ruckusZDWiredStaUserName	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.9	Logged username of the client.
	ruckusZDWiredStaAuthState	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.10	Authentication state of authenticated terminal.
	ruckusZDWiredStaAssocTime	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.11	The time client has been associated.
	ruckusZDWiredStaRxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.15	Received packets.

Table 21. ZD WLAN Station Table MIBs

MIB Tree	Node Name	OID	Description
	ruckusZDWiredStaRxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.16	Received bytes.
	ruckusZDWiredStaTxPkts	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.17	Transmitted packets.
	ruckusZDWiredStaTxBytes	1.3.6.1.4.1.25053.1.2.2.1.1.3.2.1.18	Transmitted bytes.

## WLAN Rogue Info MIBs

Use the ZoneDirector WLAN Rogue Info MIBs to view WLAN rogue information.

[Table 21](#) lists the node names, OIDs and descriptions of each object in the ruckusZDWLANRogueInfo MIB tree.

Table 22. ZD WLAN Rogue Info MIBs

MIB Tree	Node Name	OID	Description
ruckusZDWLANRogueTable	ruckusZDWLANRogueMacAddr	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.1	Rogue device's MAC Address.
	ruckusZDWLANRogueSSID	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.2	SSID.
	ruckusZDWLANRogueRadioType	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.3	Radio type.
	ruckusZDWLANRogueChannel	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.4	Radio channel.
	ruckusZDWLANRogueRSSI	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.5	RSSI.
	ruckusZDWLANRogueType	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.6	The type of the rogue device.
	ruckusZDWLANRogueEncrypted	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.7	Encryption mode.
	ruckusZDWLANRogueSignalStrength	1.3.6.1.4.1.25053.1.2.2.1.1.4.1.1.11	Signal strength.





# ZoneDirector WLAN Configuration MIBs

# 5

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 23](#) lists the node names, OIDs and descriptions of each object in the WLAN Configuration MIB tree.

*Table 23. 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 23. 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 23. 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.
	ruckusZDWLANConfigWirelessClient Isolation	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.
	ruckusZDWLANConfigWirelessWhite ListID	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 23. 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: ruckusZDAAACo nfigTable (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 23. 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 23. 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 23. 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 23. 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 23. 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 23. 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 23. 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

# 6

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

*Table 24. 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 24. ZoneDirector AAA server configuration MIB Tree*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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 24. ZoneDirector AAA server configuration MIB Tree*

<b>MIB Tree</b>	<b>Node Name</b>	<b>OID</b>	<b>Description</b>
	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

# 7

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

Table 25. 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 25. 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 25. 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 25. 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.

## AP LBS Info MIBs

Table 26 lists the node names, OIDs and descriptions of each object in the AP LBS Info MIB tree.

Table 26. AP LBS Info MIBs

MIB Tree	Node Name	OID	Description
ruckusZDAPLBSVenueTable	ruckusZDAPLBSAPGroupID	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.1	ID of the AP Group referenced to a venue. Max value:for zd1000,8;for zd1100,32;for zd3000,256; for zd5000,512.
	ruckusZDAPLBSVenueName	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.2	Venue Name.
	ruckusZDAPLBSVenueAPGrpName	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.3	AP group name referenced by this venue.
	ruckusZDAPLBSVenueLSConnection	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.4	LS connection status.
	ruckusZDAPLBSVenue24GMode	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.5	2.4 G band mode.
	ruckusZDAPLBSVenue5GMode	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.6	5 G band mode.

# Appendix - Changes in This Version

# 8

In this chapter:

- [MIB Changes in 9.9](#)
- [ZoneDirector SNMP MIB Changes](#)

## MIB Changes in 9.9

The following tables list the node name and OID changes in version 9.9. For a list of changes between version 9.8 and earlier versions, see the *ZoneDirector 9.8 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 9.8 and 9.9.

#### ZD System MIB Changes

[Table 27](#) lists the changes in the RUCKUS-ZD-SYSTEM-MIB.txt file in this version.

*Table 27. ZoneDirector System MIB changes in this version*

MIB Tree	OID	Node Name	Change
ruckusZDSystemExpInfo	ruckusZDSystemCPUModel	1.3.6.1.4.1.25053.1.2.1.1.1.5.70	New in 9.9
ruckusZDSystemLoadBalanceInfo	ruckusZDSystemLoadBalance2GStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.1	New in 9.9
	ruckusZDSystemLoadBalance5GStatus	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.2	New in 9.9
	ruckusZDSystemLoadBalanceAdjacent2GThreshold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.3	New in 9.9
	ruckusZDSystemLoadBalanceAdjacent5GThreshold	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.4	New in 9.9
	ruckusZDSystemLoadBalanceTrafficDifference	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.5	Deprecated
	ruckusZDSystemLoadBalanceType	1.3.6.1.4.1.25053.1.2.1.1.1.12.20.6	Deprecated

#### ZD AP MIB Changes

[Table 28](#) lists the changes in the RUCKUS-ZD-AP-MIB.txt file.



Table 28. Ruckus ZD AP MIB changes in this version

MIB Tree	Node Name	OID	Change
ruckusZDAPLBSInfo	ruckusZDAPLBSAPGroupID	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.1	New in 9.9
	ruckusZDAPLBSVenueName	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.2	New in 9.9
	ruckusZDAPLBSVenueAPGrpName	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.3	New in 9.9
	ruckusZDAPLBSVenueLSConnection	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.4	New in 9.9
	ruckusZDAPLBSVenue24GMode	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.5	New in 9.9
	ruckusZDAPLBSVenue5GMode	1.3.6.1.4.1.25053.1.2.2.4.1.2.1.1.6	New in 9.9

## ZD Event MIB Changes

Table 29 lists the changes in the RUCKUS-ZD-EVENT-MIB.txt file.

Table 29. Ruckus ZD Event MIB changes in this version

MIB Tree	Node Name	OID	Change
ruckusZDEventTraps	ruckusZDEventLBSAdminEnabled	1.3.6.1.4.1.25053.2.2.1.120	New in 9.9
	ruckusZDEventLBSAdminDisabled	1.3.6.1.4.1.25053.2.2.1.121	New in 9.9
	ruckusZDEventLBSZDLSConnectionUp	1.3.6.1.4.1.25053.2.2.1.122	New in 9.9
	ruckusZDEventLBSZDLSConnectionDown	1.3.6.1.4.1.25053.2.2.1.123	New in 9.9
	ruckusZDEventLBSReceiveCMDFootfall	1.3.6.1.4.1.25053.2.2.1.124	New in 9.9
	ruckusZDEventLBSReceiveCMDCalibration	1.3.6.1.4.1.25053.2.2.1.125	New in 9.9

## Ruckus Products MIB Changes

Table 30 lists the changes in the RUCKUS-PRODUCTS-MIB.txt file.

Table 30. Ruckus Products MIB changes in this version

MIB Tree	Node Name	OID	Change
ruckusWirelessHotzoneProducts	ruckusR500	1.3.6.1.4.1.25053.3.1.4.71	New in 9.9
	ruckusr600	1.3.6.1.4.1.25053.3.1.4.72	New in 9.9
	ruckusT300	1.3.6.1.4.1.25053.3.1.4.74	New in 9.9
	ruckusT300E	1.3.6.1.4.1.25053.3.1.4.75	New in 9.9
	ruckusT301N	1.3.6.1.4.1.25053.3.1.4.76	New in 9.9
	ruckusT301S	1.3.6.1.4.1.25053.3.1.4.77	New in 9.9
ruckusWirelessControllerProducts	ruckusZD1200	1.3.6.1.4.1.25053.3.1.5.15	New in 9.9
	ruckusZD1200SystemName	1.3.6.1.4.1.25053.3.1.5.15.1	New in 9.9
	ruckusZD1200SystemIPAddr	1.3.6.1.4.1.25053.3.1.5.15.2	New in 9.9
	ruckusZD1200SystemMacAddr	1.3.6.1.4.1.25053.3.1.5.15.3	New in 9.9
	ruckusZD1200SystemUptime	1.3.6.1.4.1.25053.3.1.5.15.4	New in 9.9
	ruckusZD1200SystemModel	1.3.6.1.4.1.25053.3.1.5.15.5	New in 9.9
	ruckusZD1200SystemLicensedAPs	1.3.6.1.4.1.25053.3.1.5.15.6	New in 9.9
	ruckusZD1200SystemSerialNumber	1.3.6.1.4.1.25053.3.1.5.15.7	New in 9.9
	ruckusZD1200SystemVersion	1.3.6.1.4.1.25053.3.1.5.15.8	New in 9.9
	ruckusZD1200CountryCode	1.3.6.1.4.1.25053.3.1.5.15.9	New in 9.9



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