



Ruckus Wireless™ ZoneDirector™

Release 9.13.1 SNMP Reference Guide

Part Number 800-71339-001 Rev A
Published August 2016

www.ruckuswireless.com

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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.

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

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

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

Document Conventions

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

Table 1. Text conventions

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

Table 2. Notice conventions

| Notice Type | Description |
|-------------|---|
| NOTE | Information that describes important features or instructions |

Table 2. Notice conventions

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

Related Documentation

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

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

Documentation Feedback

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

docs@ruckuswireless.com

When contacting us, please include the following information:

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

For example:

- ZoneDirector 9.13.1 SNMP Reference Guide
- Part number: 800-71339-001 Revision A
- Page 88

Online Training Resources

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

<https://training.ruckuswireless.com>

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

Table 4. Expanded System Info MIB Tree

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

System IP Table MIBs

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

Table 5. System IP Table MIB tree

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

Table 5. System IP Table MIB tree

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

System Services MIBs

Table 6 lists the node names, OIDs and descriptions of each object in the System Services (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 |
| | ruckusZDSystemSMTPEncryptionOptions | 1.3.6.1.4.1.25053.1.2.1.1.1.12.5.8 | SMTP encryption |
| ruckusZDSystem SysLog | ruckusZDSystemSysLogServer | 1.3.6.1.4.1.25053.1.2.1.1.1.12.8.1 | The syslog server IP or IPV6 address that ZoneDirector reports its system events to |
| | ruckusZDSystemSysLogServer | 1.3.6.1.4.1.25053.1.2.1.1.1.12.8.2 | Syslog server |
| ruckusZDSystem FlexMaster | ruckusZDSystemFlexMasterEnable | 1.3.6.1.4.1.25053.1.2.1.1.1.12.9.1 | FlexMaster enabled/disabled status |
| | ruckusZDSystemFlexMasterServer | 1.3.6.1.4.1.25053.1.2.1.1.1.12.9.2 | FlexMaster server |
| | ruckusZDSystemFlexMasterInterval | 1.3.6.1.4.1.25053.1.2.1.1.1.12.9.3 | FlexMaster inform interval |
| ruckusZDSystem Stp | ruckusZDSystemStpStatus | 1.3.6.1.4.1.25053.1.2.1.1.1.12.12.1 | STP status |
| ruckusZDSystem SNMPTrapInfo | ruckusZDSystemSNMPTrapEnable | 1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.1 | SNMP traps enabled/disabled status |
| | ruckusZDSystemSNMPTrapVersion | 1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.2 | SNMP trap version |
| ruckusZDSystem SNMPV2TrapSvrTable | ruckusZDSystemSNMPV2TrapSvrIndex | 1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.1 | SNMPv2 trap server index |
| | ruckusZDSystemSNMPV2TrapServer | 1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.3 | SNMPv2 trap server address (v4 or v6) |
| | ruckusZDSystemSNMPV2TrapSvrRowStatus | 1.3.6.1.4.1.25053.1.2.1.1.1.12.15.3.35.1.8 | SNMPv2 trap server row status |

Table 6. System Services MIB tree

| MIB Tree | Node Name | OID | Description |
|--|------------------------------------|---|--------------------------------|
| ruckusZDSystem SNMPV3TrapSvr Table | 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 |
| ruckusZDSystem SNMPV2Table | 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 |
| ruckusZDSystem SNMPV3Table | 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

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

System Load Balancing Info MIBs

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

Table 7. System Load Balancing Info MIB tree

| MIB Tree | Node Name | OID | Description |
|-------------------------------|------------------------------------|-------------------------------------|-------------------------------|
| ruckusZDSystemLoadBalanceInfo | 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 |
|----------|--|-----------------------------------|---|
| | ruckusZDSystemStatsWLANTotalTxDroppedPkt | 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. |
| | ruckusZDSystemStatsWLANTotalTxDroppedFrm | 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 |
|-----------------|--------------------|--------------------------------------|----------------------------------|
| ruckusZDEthInfo | ruckusZDEthNum | 1.3.6.1.4.1.25053.1.2.1.1.1.18.1 | Number of ethernet devices. |
| | ruckusZDEthIfIndex | 1.3.6.1.4.1.25053.1.2.1.1.1.18.2.1.1 | Ethernet device interface index. |

Table 9. Ethernet Info MIBs

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

Table 9. Ethernet Info MIBs

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

Ruckus Product MIBs

3

In this chapter:

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

Ruckus Product MIBs Overview

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

Ruckus Wireless Router Product MIBs

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

Table 10. Ruckus Wireless Router Products MIB Tree

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

Ruckus Wireless Adapter Product MIBs

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

Table 11. Ruckus Wireless Adapter Products MIBs

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

Ruckus Wireless Metro Product MIBs

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

Table 12. Ruckus Wireless Metro Products MIBs

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

Ruckus Wireless Hotzone Product MIBs

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

Table 13. Ruckus Wireless Hotzone Products MIBs

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

Table 13. Ruckus Wireless Hotzone Products MIBs

| MIB Tree | Node Name | OID | Description |
|-----------------|-----------------------------|-------------------------------|---|
| | ruckusZF7761CMControlLED | 1.3.6.1.4.1.25053.3.1.4.7.3 | ZF 7761-CM LED controls. |
| | ruckusZF7761CMWanIPAddr | 1.3.6.1.4.1.25053.3.1.4.7.4 | Specifies the IP address of the Cable Modem WAN interface. |
| | ruckusZF7761CMCustomization | 1.3.6.1.4.1.25053.3.1.4.7.5 | ZF 7761-CM |
| | ruckusZF7761CMHTTPService | 1.3.6.1.4.1.25053.3.1.4.7.5.1 | Enable/disable HTTP service. |
| | ruckusZF7761CMTelnetService | 1.3.6.1.4.1.25053.3.1.4.7.5.2 | Enable/disable Telnet service. |
| | 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

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

Table 13. Ruckus Wireless Hotzone Products MIBs

| MIB Tree | Node Name | OID | Description |
|-----------------|------------------|----------------------------|--------------------|
| | ruckusZF7372 | 1.3.6.1.4.1.25053.3.1.4.40 | ZF 7372 |
| | ruckusZF7372E | 1.3.6.1.4.1.25053.3.1.4.41 | ZF 7372-E |
| | ruckusZF7352 | 1.3.6.1.4.1.25053.3.1.4.45 | ZF 7352 |
| | ruckusZF7351 | 1.3.6.1.4.1.25053.3.1.4.48 | ZF 7351 |
| | ruckusZF7742 | 1.3.6.1.4.1.25053.3.1.4.50 | ZF 7742 |
| | ruckusZF7055 | 1.3.6.1.4.1.25053.3.1.4.52 | ZF 7055 |
| | ruckusZF7781M | 1.3.6.1.4.1.25053.3.1.4.55 | ZF 7781-M |
| | ruckusZF7781CM | 1.3.6.1.4.1.25053.3.1.4.56 | ZF 7781CM |
| | ruckusZF7781CME | 1.3.6.1.4.1.25053.3.1.4.57 | ZF 7781CM-E |
| | ruckusZF7781CMS | 1.3.6.1.4.1.25053.3.1.4.58 | ZF 7781CM-S |
| | ruckusZF7781FN | 1.3.6.1.4.1.25053.3.1.4.60 | ZF 7781-FN |
| | ruckusZF7781FNE | 1.3.6.1.4.1.25053.3.1.4.61 | ZF 7781-FN-E |
| | ruckusZF7781FNS | 1.3.6.1.4.1.25053.3.1.4.62 | ZF 7781-FN-S |
| | ruckusSC8800SAC | 1.3.6.1.4.1.25053.3.1.4.65 | SC8800-S-AC |
| | ruckusSC8800S | 1.3.6.1.4.1.25053.3.1.4.66 | SC8800-S |
| | ruckusR300 | 1.3.6.1.4.1.25053.3.1.4.67 | R300 |
| | ruckusR700 | 1.3.6.1.4.1.25053.3.1.4.68 | R700 |
| | ruckusR710 | 1.3.6.1.4.1.25053.3.1.4.69 | R710 |
| | ruckusR500E | 1.3.6.1.4.1.25053.3.1.4.70 | R500e |
| | 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 |
| | ruckusH500 | 1.3.6.1.4.1.25053.3.1.4.78 | H500 |
| | ruckusC500 | 1.3.6.1.4.1.25053.3.1.4.79 | C500 |

Table 13. Ruckus Wireless Hotzone Products MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--------------|----------------------------|-------------|
| | ruckusP300 | 1.3.6.1.4.1.25053.3.1.4.81 | P300 |
| | ruckusFZM300 | 1.3.6.1.4.1.25053.3.1.4.85 | FZM300 |
| | ruckusFZP300 | 1.3.6.1.4.1.25053.3.1.4.86 | FZP300 |
| | ruckusR310 | 1.3.6.1.4.1.25053.3.1.4.88 | R310 |
| | ruckusT710 | 1.3.6.1.4.1.25053.3.1.4.90 | T710 |
| | ruckusR510 | 1.3.6.1.4.1.25053.3.1.4.91 | R510 |
| | RuckusH510 | 1.3.6.1.4.1.25053.3.1.4.91 | H510 |

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 |

Table 14. Ruckus Wireless Metro Products MIBs

| MIB Tree | Node Name | OID | Description |
|-----------------|--------------------------------|-----------------------------|--------------------|
| | ruckusZD1100SystemName | 1.3.6.1.4.1.25053.3.1.5.2.1 | System name |
| | ruckusZD1100SystemIPAddr | 1.3.6.1.4.1.25053.3.1.5.2.2 | IP address |
| | ruckusZD1100SystemMacAddr | 1.3.6.1.4.1.25053.3.1.5.2.3 | MAC address |
| | ruckusZD1100SystemUptime | 1.3.6.1.4.1.25053.3.1.5.2.4 | Up time |
| | ruckusZD1100SystemModel | 1.3.6.1.4.1.25053.3.1.5.2.5 | Model |
| | ruckusZD1100SystemLicensedAPs | 1.3.6.1.4.1.25053.3.1.5.2.6 | Licensed APs |
| | ruckusZD1100SystemSerialNumber | 1.3.6.1.4.1.25053.3.1.5.2.7 | Serial number |
| | ruckusZD1100SystemVersion | 1.3.6.1.4.1.25053.3.1.5.2.8 | Software version |
| | ruckusZD1100CountryCode | 1.3.6.1.4.1.25053.3.1.5.2.9 | Country code |
| | ruckusZD3000 | 1.3.6.1.4.1.25053.3.1.5.3 | ZD 3000 |
| | ruckusZD3000SystemName | 1.3.6.1.4.1.25053.3.1.5.3.1 | System name |
| | ruckusZD3000SystemIPAddr | 1.3.6.1.4.1.25053.3.1.5.3.2 | IP address |
| | ruckusZD3000SystemMacAddr | 1.3.6.1.4.1.25053.3.1.5.3.3 | MAC address |
| | ruckusZD3000SystemUptime | 1.3.6.1.4.1.25053.3.1.5.3.4 | Up time |
| | ruckusZD3000SystemModel | 1.3.6.1.4.1.25053.3.1.5.3.5 | Model |
| | ruckusZD3000SystemLicensedAPs | 1.3.6.1.4.1.25053.3.1.5.3.6 | Licensed APs |
| | ruckusZD3000SystemSerialNumber | 1.3.6.1.4.1.25053.3.1.5.3.7 | Serial number |
| | 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 |

Table 14. Ruckus Wireless Metro Products MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--------------------------------|------------------------------|------------------|
| | 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

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- [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 |
|------------------|------------------------------|--|--|
| ruckusZDWLANInfo | 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 1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.1.3 | 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. |
| | ruckusZDWLAN TunnelWLAN | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.10 | Tunnel WLAN. |
| | ruckusZDWLAN NumVAP | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.11 | Number of APs. |
| | ruckusZDWLAN NumSta | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.12 | Number of client devices. |
| | ruckusZDWLAN RxPkts | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.13 | Received packets. |
| | ruckusZDWLAN RxBytes | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.14 | Received bytes. |
| | ruckusZDWLAN TxPkts | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.15 | Transmitted packets. |
| | ruckusZDWLAN TxBytes | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.16 | Transmitted bytes. |
| | ruckusZDWLAN AssocNumSta | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.20 | Number of associated client devices, includes authorized and unauthorized. |
| | ruckusZDWLAN AuthTotal | 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. |
| | ruckusZDWLAN AuthResp | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.27 | Authentication response. |

Table 15. WLAN Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|-----------------------------|--------------------------------------|---|
| | 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. |
| | ruckusZDWLANAssocTotal | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.30 | Accumulated total number of access of wireless terminal on this WLAN, or Association request. |
| | ruckusZDWLANAssocResp | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.31 | Association response. |
| | ruckusZDWLANReassocReq | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.32 | Reassociation request. |
| | ruckusZDWLANReassocResp | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.33 | Reassociation response. |
| | ruckusZDWLANAssocSuccess | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.34 | Association success. |
| | ruckusZDWLANAssocFail | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.3 | Association fail. |
| | ruckusZDWLANAssocDenied | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.36 | Association denied. |
| | ruckusZDWLANDiassocAbnormal | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.37 | Disassociation request due to abnormal causes. |
| | ruckusZDWLANDiassocCapacity | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.38 | Disassociation request due to device capacity. |
| | ruckusZDWLANDiassocLeave | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.39 | Disassociation request due to client leave. |

Table 15. WLAN Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|-------------------------------|--------------------------------------|---|
| | ruckusZDWLANDiassocMisc | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.40 | Disassociation request due to other reasons. |
| | ruckusZDWLANRxByteRate | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.41 | Received rate byte/s in last 5 minutes. |
| | 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. |
| | ruckusZDWLANDownRetxFrame | 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. |

Table 15. WLAN Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--------------------------|---|---|
| | 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. |
| | ruckusZDWLANUpRetxFrame | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.52 | Retransmitted Frame Number on Uplink of Wireless. |
| | ruckusZDWLANNAME | 1.3.6.1.4.1.25053.1.2.2.1.1.1.1.1.10 8 | 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 ruckusZDWLANAPInfo 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. |

Table 16. WLAN AP Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---------------------------------|--------------------------------------|---|
| | 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. |
| | 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 | Bytestransmitted on LAN port. |

Table 16. WLAN AP Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--------------------------------------|--------------------------------------|--|
| | 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 in KB. |
| | 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. |
| | ruckusZDWLANAPMultiModeAccessStatus | 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. |

Table 16. WLAN AP Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|----------------------------------|--------------------------------------|---|
| | 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. |
| | ruckusZDWLANAPLANStatsRXPKTBcast | 1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.47 | Broadcast packets received successfully on LAN port. |
| | ruckusZDWLANAPLANStatsRXPKTMcast | 1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.48 | Multicast packets received successfully on LAN port. |
| | ruckusZDWLANAPLANStatsRXPKTUcast | 1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.49 | Unicast packets received successfully on LAN port. |
| | ruckusZDWLANAPLANStatsTXPKTBcast | 1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.50 | Broadcast packets transmitted successfully on LAN port. |
| | ruckusZDWLANAPLANStatsTXPKTMcast | 1.3.6.1.4.1.25053.1.2.2.1.1.2.1.1.51 | Multicast packets transmitted successfully on LAN port. |
| | ruckusZDWLANAPLANStatsTXPKTUcast | 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. |

Table 16. WLAN AP Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---|---|---|
| | 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. |
| | 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. |

Table 16. WLAN AP Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|----------------------------------|---|--|
| | 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. |

Table 17. ZD WLAN AP Radio Stats Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--|--------------------------------------|---------------------------------|
| | 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. |
| | 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. |

Table 17. ZD WLAN AP Radio Stats Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|--|--------------------------------------|--|
| | 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. |
| | 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. |

Table 17. ZD WLAN AP Radio Stats Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---|--------------------------------------|--|
| | 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. |
| | 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. |
| | ruckusZDWLANAPRadioStatsFragmentThreshold | 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. |
| | 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. |
| | ruckusZDWLANVapWlanRxRxErrorPkt | 1.3.6.1.4.1.25053.1.2.2.1.1.2.3.1.11 | Received error packet on WLAN in VAP. |
| | ruckusZDWLANVapWlanRxUnicastPkt | 1.3.6.1.4.1.25053.1.2.2.1.1.2.3.1.12 | Received unicast packet on WLAN in VAP. |
| | ruckusZDWLANVapWlanTxUnicastPkt | 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. |

Table 18. ZD WLAN VAP Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|------------------------------|--------------------------------------|--|
| | 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. |
| | 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. |

Table 19. WLAN Interface Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|-----------------------------|--------------------------------------|---|
| | 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. |
| | 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. |

Table 19. WLAN Interface Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---------------------------------|--------------------------------------|--|
| | ruckusZDWLANAPIflnUcastPkts | 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. |
| | ruckusZDWLANAPIflnNUcastPkts | 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. |
| | ruckusZDWLANAPIflnDiscards | 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 . |
| | ruckusZDWLANAPIflnErrors | 1.3.6.1.4.1.25053.1.2.2.1.1.2.4.1.14 | The number of inbound packets that contained errors. |
| | ruckusZDWLANAPIflnUnknownProtos | 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. |

Table 19. WLAN Interface Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|-------------------------------|--------------------------------------|---|
| | 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. |
| | 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

| MIB Tree | Node Name | OID | Description |
|------------------------------|--------------------------------|--------------------------------------|--|
| ruckusZDWLANAPEthStatusTable | 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. |

Table 20. ZD WLAN AP Ethernet Status Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|------------------------|--------------------------------------|-----------------------------|
| | 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 | The station's MAC Address. |
| | ruckusZDWLANStaAPMacAddr | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.2 | The MAC address of the associated AP. |
| | ruckusZDWLANStaBSSID | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.3 | BSSID of WLAN. |
| | ruckusZDWLANStaSSID | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.4 | SSID. |
| | ruckusZDWLANStaUser | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.5 | Logged username of the client. |
| | ruckusZDWLANStaRadioType | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.6 | Radio type. |
| | ruckusZDWLANStaChannel | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.7 | Radio channel. |
| | ruckusZDWLANStaIPAddr | 1.3.6.1.4.1.25053.1.2.2.1.1.3.1.8 | IP address. |

Table 21. ZD WLAN Station Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|-------------------------------|--------------------------------------|--------------------------------------|
| | 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. |
| | 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. |

Table 21. ZD WLAN Station Table MIBs

| MIB Tree | Node Name | OID | Description |
|-----------------------|-------------------------------|--------------------------------------|---|
| | 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. |
| | 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. |

Table 21. ZD WLAN Station Table MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---------------------------|--------------------------------------|--------------------------------------|
| | 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. |
| | 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 | Rogue device's MAC Address. |
| | ruckusZDWLANRogueSSID | 1.3.6.1.4.1.25053.1.2.2.1.1.4.1.2 | SSID. |
| | ruckusZDWLANRogueRadioType | 1.3.6.1.4.1.25053.1.2.2.1.1.4.1.3 | Radio type. |
| | ruckusZDWLANRogueChannel | 1.3.6.1.4.1.25053.1.2.2.1.1.4.1.4 | Radio channel. |
| | ruckusZDWLANRogueRSSI | 1.3.6.1.4.1.25053.1.2.2.1.1.4.1.5 | RSSI. |

Table 22. ZD WLAN Rogue Info MIBs

| MIB Tree | Node Name | OID | Description |
|----------|---------------------------------|--------------------------------------|-------------------------------|
| | 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. |
| | ruckusZDWLANConfigWirelessClientIsolation | 1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.28 | Set Wireless Client Isolation. Clients will be unable to communicate with each other or access restricted subnets. |
| | ruckusZDWLANConfigWirelessWhiteListID | 1.3.6.1.4.1.25053.1.2.2.2.1.1.1.1.29 | Make sure client isolation is enabled and then choose one id. |

Table 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

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

Table 24. ZoneDirector AAA server configuration MIB Tree

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

ZoneDirector AP Configuration MIBs

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 9.13.1](#)
- [ZoneDirector SNMP MIB Changes](#)

MIB Changes in 9.13.1

The following tables list the node name and OID changes in version 9.13.1. For a list of changes between version 9.13 and earlier versions, see the *ZoneDirector 9.13 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 9.12 and 9.13.

ZD Products MIB Changes

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

Table 27. ZoneDirector Products MIB changes in this version

| MIB Tree | OID | Node Name | Change |
|-------------------------------|----------------------------|------------|---------------|
| ruckusWirelessHotzoneProducts | 1.3.6.1.4.1.25053.3.1.4.91 | ruckusH510 | New in 9.13.1 |



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