Configuring SNMP Support

ZoneDirector provides support for Simple Network Management Protocol (SNMP v2 and v3), which allows you to query ZoneDirector information such as system status, WLAN list, AP list, and clients list, and to set a number of system settings using a Network Management System (NMS) or SNMP MIB browser.

You can also enable SNMP traps to receive immediate notifications for possible AP and client issues.

Enabling the SNMP Agent

The procedure for enabling ZoneDirector's internal SNMP agent depends on whether your network is using SNMPv2 or SNMPv3. SNMPv3 mainly provides security enhancements over the earlier version, and therefore requires you to enter authorization passwords and encryption settings instead of simple clear text community strings.

Both SNMPv2 and SNMPv3 can be enabled at the same time. The SNMPv3 framework provides backward compatibility for SNMPv1 and SNMPv2c management applications so that existing management applications can still be used to manage ZoneDirector with SNMPv3 enabled.

> •NOTE: For a list of the MIB variables that you can get and set using SNMP, check the related SNMP documentation on the Ruckus Wireless Support Web site at http://support.ruckuswireless.com/documents.

If your network uses SNMPv2

To enable SNMPv2 management:

1. Go to **Configure > System**. Scroll down to the bottom of the page and click the **Network Management** link to open the Network Management section.
2. Under the **SNMPv2 Agent** section, select the **Enable SNMP Agent** check box.
3. Enter the following information:
   - In **SNMP RO community** (required), set the read-only community string. Applications that send SNMP Get-Requests to ZoneDirector (to retrieve information) will need to send this string along with the request before they will be allowed access. The default value is public.
   - In **SNMP RW community** (required), set the read-write community string. Applications that send SNMP Set-Requests to ZoneDirector (to set certain SNMP MIB variables) will need to send this string along with the request before they will be allowed access. The default value is private.
   - In **System Contact**, type your email address (optional).
   - In **System Location**, type the location of the ZoneDirector device (optional).
4. Click **Apply** to save your changes.

If your network uses SNMPv3

To enable SNMPv3 management:

1.Go to **Configure > System**. Scroll down to the bottom of the page and click the **Network Management** link to open the Network Management section.

2.Under the **SNMPv3 Agent** section, select the **Enable SNMP Agent** check box.

3.Enter the following information for both the Read Only and Read-Write privileges:

- ●**User**: Enter a user name between 1 and 31 characters.
- ●**Authentication**: Choose MD5 or SHA authentication method (default is MD5).
  - ●**MD5**: Message-Digest algorithm 5, message hash function with 128-bit output.
  - ●**SHA**: Secure Hash Algorithm, message hash function with 160-bit output.
- ●**Auth Pass Phrase**: Enter a passphrase between 8 and 32 characters in length.
- ●**Privacy**: Choose DES, AES or None.
  - ●**DES**: Data Encryption Standard, data block cipher.
  - ●**AES**: Advanced Encryption Standard, data block cipher.
  - ●**None**: No Privacy passphrase is required.
- ●**Privacy Phrase**: If either DES or AES is selected, enter a Privacy phrase between 8 and 32 characters in length.

4.Click **Apply** to save your changes.