

RSA NetWitness Platform

Event Source Log Configuration Guide



Cisco Wireless LAN Controller

Last Modified: Tuesday, October 5, 2021

Event Source Product Information:

Vendor: [Cisco](#)

Event Source: Wireless LAN Controller (WLC) - 2100 Series and 4400 Series, Cisco 9800 Series

Versions: 5.2.157.0, 6.0.188, 7.0.98.0, 8.x, 17.03.03

Note: RSA is qualifying support for the major version. In case of any configuration changes or logs not parsing in a minor version, please open a case and we will add support for it.

RSA Product Information:

Supported On: NetWitness Platform 11.0 and later

Event Source Log Parser: ciscowlc

Collection Method: Syslog, SNMP

Event Source Class.Subclass: Network.Wireless Devices

To configure Cisco Wireless LAN Controller to work with RSA NetWitness Platform, you must complete the following tasks:

- I. [Configure Cisco Wireless LAN Controller for Syslog](#)
- II. [Configure Cisco Wireless LAN Controller for SNMP](#)

Configure Cisco Wireless LAN Controller for Syslog

To configure Syslog collection for the Cisco Wireless LAN Controller you must:

- I. Ensure the Required Parser is Enabled
- II. Configure RSA NetWitness Platform for Syslog Collection
- III. Configure Cisco Wireless LAN Controller for Syslog

Ensure the Required Parser is Enabled

If you do not see your parser in the list while performing this procedure, you need to download it in RSA NetWitness Platform Live.

Ensure that the parser for your event source is enabled:

1. In the **NetWitness** menu, select **Admin > Services**.
2. In the **Services** grid, select a Log Decoder, and from the **Actions** menu, choose **View > Config**.
3. In the **Service Parsers Configuration** panel, search for your event source, and ensure that the **Config Value** field for your event source is selected.

Note: The required parser is **ciscowlc**.



Configure RSA NetWitness Platform for Syslog Collection

Note: Syslog collection must be configured only for the first time when you set up an event source which uses Syslog to send its output to NetWitness.

For Syslog, configure either the Log Decoder or the Remote Log Collector. You do not need to configure both.

Log Decoder Configuration Steps for Syslog Collection:

1. In the **NetWitness** menu, select **Administration > Services**.
2. In the **Services** grid, choose a Log Decoder, and from the **Actions** menu, choose **View > System**.
3. Depending on the icon you see, do one of the following:

- If you see  **Start Capture**, click the icon to start capturing Syslog.
- If you see  **Stop Capture**, you do not need to do anything; this Log Decoder is already capturing Syslog.

Remote Log Collector Configuration Steps for Syslog Collection:

1. In the **NetWitness** menu, go to **Administration > Services**.
2. In the **Services** grid, select a Remote Log Collector, and from the **Actions** menu, choose **View > Config > Event Sources**.
3. Select **Syslog / Config** from the drop-down menu.
The **Event Categories** panel displays the Syslog event sources that are configured, if any.
4. In the **Event Categories** panel toolbar, click **+**.
The **Available Event Source Types** dialog will appear.
5. Choose either **syslog-tcp** or **syslog-udp**. You can set up either or both, depending on the needs of your organization.
6. Choose the **New Type** in the **Event Categories** panel and click **+** in the **Sources** panel toolbar.
The **Add Source** dialog will appear.
7. Enter **514** for the port, and choose **Enabled**. Optionally, configure any of the Advanced parameters as necessary.

Click **OK** to accept your changes and close the dialog box.

After you configure one or both syslog types, the Log Decoder or Remote Log Collector collects those types of messages from all available event sources. So, you can continue to add Syslog event sources to your system without needing to do any further configuration in NetWitness.

Configure Cisco Wireless LAN Controller for Syslog

To configure the Cisco Wireless LAN Controller to collect syslog messages, do one of the following:

- [Configure Cisco Wireless LAN Controller using the Web Interface](#)
- [Configure Cisco Wireless LAN Controller using the Command Line Interface](#)

Configure Cisco Wireless LAN Controller Using the Web Interface

To configure the Cisco Wireless LAN Controller using the web interface:

1. Log on to the Cisco WLC web interface.
2. On the top menu, click **Management**.

3. On the navigation pane, click **Logs > Config**.
4. In the Syslog Configuration section of the window, complete the fields as follows.

Field	Action
Syslog Server IP Address	Enter the IP address of the RSA NetWitness Log Decoder or Remote Log Collector.
Syslog Level	From the drop-down list, select Informational .
Syslog Facility	From the drop-down list, select Syslog .

5. Click **Apply**.
6. Click **Save Configuration**, and click **OK**.

Configure Cisco Wireless LAN Controller Using the Command Line Interface

To configure the Cisco Wireless LAN Controller using the command line interface:

1. Open the Cisco WLC command line interface.
2. Enter the following commands:

```
config logging syslog host ip-address-of-NetWitness Platform
config logging syslog facility syslog
config logging syslog level informational
save config
Y
```

where ip-address-of-NetWitness Platform is the IP address of the RSA NetWitness Log Decoder or Remote Log Collector.

Configure Cisco Wireless LAN Controller for SNMP

This section describes how to configure Cisco Wireless LAN to send virus details, in SNMP format, to the RSA NetWitness Platform.

- I. Configure Cisco Wireless LAN Controller for SNMP
- II. Configure SNMP Event Sources on the RSA NetWitness Platform:
 - i. Add the SNMP Event Source Type
 - ii. Configure SNMP v3 Users

Configure Cisco Wireless LAN Controller for SNMP

To configure Cisco WLC to collect SNMP logs:

1. Log on to the Cisco Wireless LAN Controller with administrative credentials.
2. Click **Management**.
3. In the **SNMP** section of the navigation pane, click **Trap Receivers**.
4. To add an SNMP trap receiver, follow these steps:
 - a. Click **New**.
 - b. Complete the fields as follows:


Field	Action
Trap Receiver Name	Enter a name.
IP Address	Enter the IP address of the RSA NetWitness Log Decoder or Remote Log Collector
Status	From the drop-down list, select Enable .

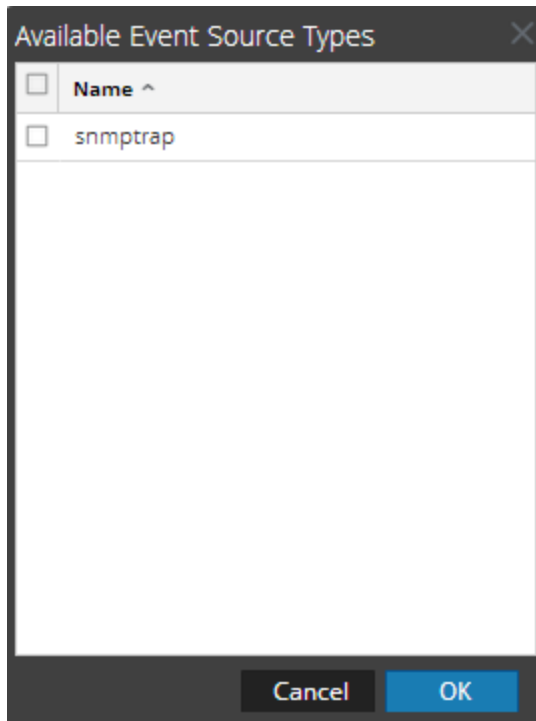
- c. Click **Apply**.
5. Click **Save Configuration**.

Add the SNMP Event Source Type

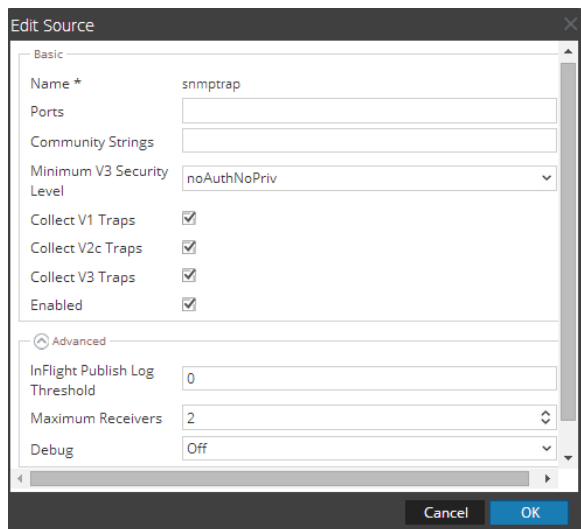
Note: If you have previously added the **snmptrap** type, you cannot add it again. You can edit it, or manage users.

Add the SNMP Event Source Type:

1. In the **RSA NetWitness Platform** menu, select **Administration > Services**.
2. In the **Services** grid, select a **Log Collector** service.
3. Click  under **Actions** and select **View > Config**.
4. In the Log Collector **Event Sources** tab, select **SNMP/Config** from the drop-down menu.
The Sources panel is displayed with the existing sources, if any.
5. Click **+** to open the **Available Event Source Types** dialog.



6. Select **snmptrap** from the Available Event Source Types dialog and click **OK**.
7. Select **snmptrap** in the Event Categories panel.
8. Select **snmptrap** in the Sources panel and then click the Edit icon to edit the parameters.




9. Update any of the parameters that you need to change.

(Optional) Configure SNMP Users

If you are using SNMPv3, follow this procedure to update and maintain the SNMP v3 users.

Configure SNMP v3 Users

1. In the **RSA NetWitness Platform** menu, select **Administration > Services**.
2. In the **Services** grid, select a **Log Collector** service.
3. Click  under **Actions** and select **View > Config**.
4. In the Log Collector **Event Sources** tab, select **SNMP/SNMP v3 User Manager** from the drop-down menu.

The SNMP v3 User panel is displayed with the existing users, if any.

5. Click **+** to open the **Add SNMP User** dialog.

6. Fill in the dialog with the necessary parameters. The available parameters are described below.

SNMP User Parameters

The following table describes the parameters that you need to enter when you create an SNMP v3 user.

Parameter	Description
Username *	User name (or more accurately in SNMP terminology, security name). RSA NetWitness Platform uses this parameter and the Engine ID parameter to create a user entry in the SNMP engine of the collection service. The Username and Engine ID combination must be unique (for example, logcollector).
Engine ID	(Optional) Engine ID of the event source. For all event sources sending SNMP v3 traps to this collection service, you must add the username and engine id of the sending event source. For all event sources sending SNMPv3 informs, you must add just the username with a blank engine id.
Authentication Type	(Optional) Authentication protocol. Valid values are as follows: <ul style="list-style-type: none"> • None (default) - only security level of noAuthNoPriv can be used for traps sent to this service • SHA - Secure Hash Algorithm • MD5 - Message Digest Algorithm
Authentication Passphrase	Optional if you do not have the Authentication Type set. Authentication passphrase.
Privacy Type	(Optional) Privacy protocol. You can only set this parameter if Authentication

Parameter	Description
	Type parameter is set. Valid values are as follows: <ul style="list-style-type: none"> • None (default) • AES - Advanced Encryption Standard • DES - Data Encryption Standard
Privacy Passphrase	Optional if you do not have the Privacy Type set. Privacy passphrase.
Close	Closes the dialog without adding the SNMP v3 user or saving modifications to the parameters.
Save	Adds the SNMP v3 user parameters or saves modifications to the parameters.

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