

# NetWitness<sup>®</sup> Platform

## Alcatel-Lucent OmniSwitch Event Source Configuration Guide

# Alcatel-Lucent OmniSwitch

Last Modified: Monday, December 2, 2024

## Event Source Product Information:

**Vendor:** [Alcatel-Lucent](#)

**Event Source:** OmniSwitch

**Versions:** OmniSwitch 6600, 6850 & 9700

## NetWitness Product Information:

**Supported On:** NetWitness Platform 12.3 and later

**Event Source Log Parser:** alcatelomniswitch

**Collection Method:** Syslog, SNMP

**Event Source Class.Subclass:** Network.Switch

## Contact Information

NetWitness Community at <https://community.netwitness.com> contains a knowledge base that answers common questions and provides solutions to known problems, product documentation, community discussions, and case management.

## Trademarks

RSA and other trademarks are trademarks of RSA Security LLC or its affiliates ("RSA"). For a list of RSA trademarks, go to <https://www.rsa.com/en-us/company/rsa-trademarks>. Other trademarks are trademarks of their respective owners.

## License Agreement

This software and the associated documentation are proprietary and confidential to RSA Security LLC or its affiliates and are furnished under license, and may be used and copied only in accordance with the terms of such license and with the inclusion of the copyright notice below. This software and the documentation, and any copies thereof, may not be provided or otherwise made available to any other person.

No title to or ownership of the software or documentation or any intellectual property rights thereto is hereby transferred. Any unauthorized use or reproduction of this software and the documentation may be subject to civil and/or criminal liability.

This software is subject to change without notice and should not be construed as a commitment by RSA.

## Third-Party Licenses

This product may include software developed by parties other than RSA. The text of the license agreements applicable to third-party software in this product may be viewed on the product documentation page on NetWitness Community. By using this product, a user of this product agrees to be fully bound by terms of the license agreements.

## Note on Encryption Technologies

This product may contain encryption technology. Many countries prohibit or restrict the use, import, or export of encryption technologies, and current use, import, and export regulations should be followed when using, importing or exporting this product.

## Distribution

Use, copying, and distribution of any RSA Security LLC or its affiliates ("RSA") software described in this publication requires an applicable software license.

RSA believes the information in this publication is accurate as of its publication date. The information is subject to change without notice.

THE INFORMATION IN THIS PUBLICATION IS PROVIDED "AS IS." RSA MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WITH RESPECT TO THE INFORMATION IN THIS PUBLICATION, AND SPECIFICALLY DISCLAIMS IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Miscellaneous

This product, this software, the associated documentations as well as the contents are subject to NetWitness' standard Terms and Conditions in effect as of the issuance date of this documentation and which can be found at <https://www.netwitness.com/standard-form-agreements/>.

© 2024 RSA Security LLC or its affiliates. All Rights Reserved.

November 2024

# Contents

---

<b>Configure the Alcatel-Lucent OmniSwitch Event Source</b> .....	<b>6</b>
<b>Configure RSA NetWitness Platform</b> .....	<b>8</b>
Ensure the Required Parser is Enabled .....	8
Configure Syslog Collection .....	8
<b>Configure <code>[[[Undefined variable SAVariables.ProductSuiteName]]]</code> for SNMP</b> ..	<b>11</b>
Add the SNMP Event Source Type .....	11
(Optional) Configure SNMP Users .....	12
SNMP User Parameters .....	13
<b>Getting Help with NetWitness Platform</b> .....	<b>15</b>
Self-Help Resources .....	15
Contact NetWitness Support .....	15
Feedback on Product Documentation .....	16

You must set up both Syslog and SNMP collection for the Alcatel-Lucent OmniSwitch. Complete the following tasks to set up collection:

- I. Configure Alcatel-Lucent OmniSwitch
- II. Configure [[[Undefined variable SAVariables.ProductSuiteName]]] for Syslog
- III. Configure [[[Undefined variable SAVariables.ProductSuiteName]]] for SNMP

## Configure the Alcatel-Lucent OmniSwitch Event Source

### To configure Alcatel-Lucent OmniSwitch:

1. Follow these steps to configure Alcatel-Lucent OmniSwitch to send syslog messages to [[[Undefined variable SAVariables.ProductSuiteName]]]:
  - a. Log on to Alcatel-Lucent OmniSwitch web console with administrator credentials.
  - b. In the navigation pane, click the **System** tab.
  - c. Click **System Mgmt**.
  - d. On the top menu, click **Switch Logging > Logging Output**.
  - e. Under Logging Output, select the following items:
    - **Log to a Remote Host**
    - **Enable Switch Logging Remote Command-Log**
  - f. Click **Apply**.
  - g. Under Switch Logging Hosts Count, click **Add**.
  - h. In the Add Switch Logging Host window, enter the IP address of the NetWitness Log Decoder or Remote Log Collector, and click **Apply**.
  - i. Above the top menu, click **Save Configuration**, and click **Apply**.
2. Follow these steps to configure the SNMP agent in the Alcatel-Lucent OmniSwitch appliance.
  - a. In the Alcatel-Lucent OmniscientSwitch navigation pane, click the **System** tab.
  - b. Click **SNMP**.
  - c. On the top menu, click **SNMP Agent > User - Community String Map**.
  - d. Click **Add**.
  - e. In the Add User - Community String Map window, complete the fields as follows.

Field	Action
<b>Community String</b>	Type: <b>public</b>
<b>User Name</b>	Enter your [[[Undefined variable SAVariables.ProductSuiteName]]] account username.
<b>Status</b>	Select <b>Enabled</b> .

- f. Click **Apply**.
- g. On the top menu, click **SNMP Agent > Configuration**.

- h. In the SNMP Agent Configuration window, complete the fields as follows:

Field	Action
Authentication Tabs	Select <b>Enabled</b> .
Security Level	Select <b>No Security</b> .
Community Mode	Select <b>Enabled</b> .

- i. Click **Apply**.
- j. Above the top menu, click **Save Configuration**, and click **Apply**.
3. Follow these steps to configure Alcatel-Lucent OmniSwitch to send SNMP traps to [[[Undefined variable SAVariables.ProductSuiteName]]]:

- a. Log on to the Alcatel-Lucent OmniSwitch appliance.
- b. Open a command-line interface with a Secure Shell (SSH) or teletype network (Telnet) connection.
- c. Enter the following commands to set SNMP traps:

```
aaa authentication snmp local
snmp security no security
user username password userpassword
user username read-write all
snmp authentication trap enable
snmp community map public user username on
snmp station NetWitness-ip-address 162 username snmp_version enable
```

where:

- **username** is the [[[Undefined variable SAVariables.ProductSuiteName]]] account username
  - **userpassword** is the [[[Undefined variable SAVariables.ProductSuiteName]]] account password
  - **NetWitness-ip-address** is the IP address of the [[[Undefined variable SAVariables.ProductName]]] Log Collector
  - **snmp\_version** is your SNMP version, either **v1** or **v2**
4. Follow these steps to confirm SNMP trap settings in Alcatel-Lucent OmniSwitch:
- a. In the navigation pane of Alcatel-Lucent OmniSwitch web console, click **System > SNMP**.
- b. On the top menu, click **Trap Management > Trap Station Management**.
- c. Ensure the settings you added in step 2 appear under Trap Stations.
5. Above the top menu, click **Save Configuration**, and click **Apply**.

## Configure RSA NetWitness Platform

---



Perform the following steps in `[[[Undefined variable SAVariables.ProductSuiteName]]]`:

- Ensure the required parser is enabled
- Configure Syslog Collection

### 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 available:**





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 `alcatelomniswitch`.



### Configure Syslog Collection

**Note:** You only need to configure Syslog collection the first time that you set up an event source that uses Syslog to send its output to NetWitness. You only need to configure either the Log Decoder or the Remote Log Collector for Syslog, not both.

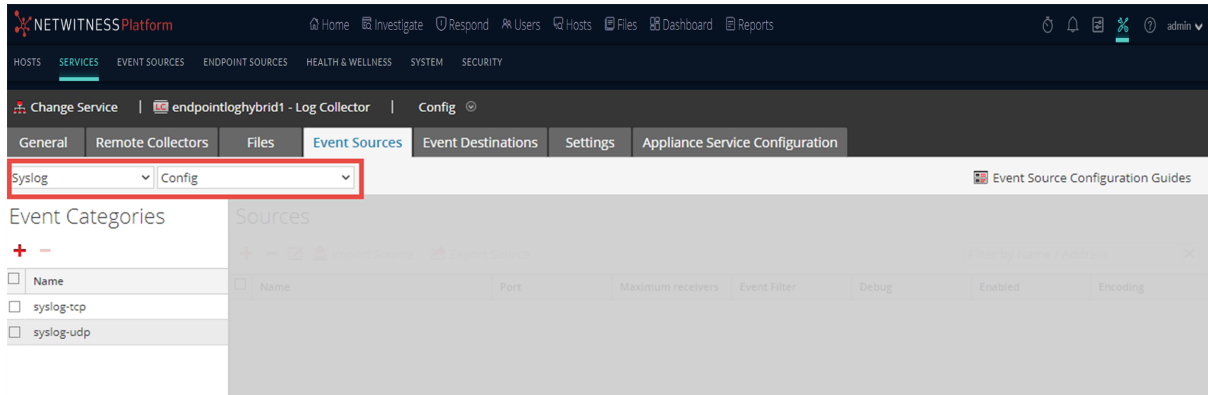
**To configure Log Decoder for Syslog Collection**

1. In the NetWitness Platform menu, select  (Admin) > **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.

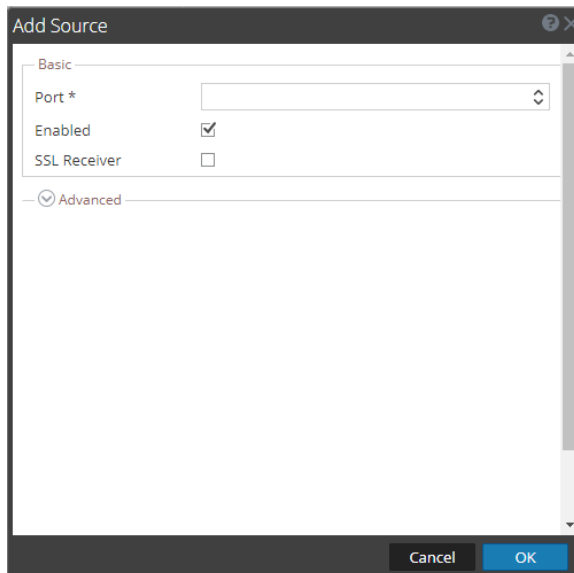
## To configure Remote Log Collector for Syslog Collection

1. In the NetWitness Platform menu, go to  (Admin) > **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. You can continue to add Syslog event sources to your system without a need to do any further configuration in NetWitness Platform.

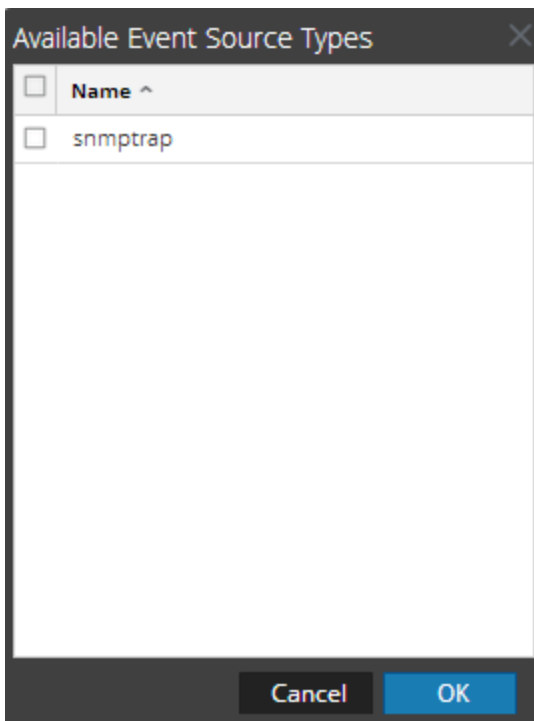
## Configure `SAVariables.ProductSuiteName` for SNMP

### 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 **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.


The screenshot shows the 'Edit Source' dialog box for the 'snmptrap' source. The dialog is divided into two sections: 'Basic' and 'Advanced'. In the 'Basic' section, the 'Name' field is set to 'snmptrap'. There are empty text boxes for 'Ports' and 'Community Strings'. The 'Minimum V3 Security Level' is set to 'noAuthNoPriv'. The 'Collect V1 Traps', 'Collect V2c Traps', 'Collect V3 Traps', and 'Enabled' checkboxes are all checked. In the 'Advanced' section, the 'InFlight Publish Log Threshold' is set to '0', 'Maximum Receivers' is set to '2', and 'Debug' is set to 'Off'. At the bottom of the dialog, there are 'Cancel' and 'OK' buttons.

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

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

## Getting Help with NetWitness Platform

### Self-Help Resources

There are several options that provide you with help as you need it for installing and using NetWitness:

- See the documentation for all aspects of NetWitness here: <https://community.netwitness.com/t5/netwitness-platform/ct-p/netwitness-documentation>.
- Use the **Search** and **Create a Post** fields in NetWitness Community portal to find specific information here: <https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions>.
- See the NetWitness Knowledge Base: <https://community.netwitness.com/t5/netwitness-knowledge-base/tkb-p/netwitness-knowledge-base>.
- See the documentation for Logstash JDBC input plugin here: <https://www.elastic.co/guide/en/logstash/current/plugins-inputs-jdbc.html>.
- See Troubleshooting section in the guides.
- See also [NetWitness® Platform Blog Posts](#).
- If you need further assistance, [Contact NetWitness Support](#).

### Contact NetWitness Support

When you contact NetWitness Support, please provide the following information:

- The version number of the NetWitness Platform or application you are using.
- Logs information, even source version, and collection method.
- If you have problem with an event source, enable **Debug** parameter (set this parameter to **On** or **Verbose**) and collect the debug logs to share with the NetWitness Support team.

Use the following contact information if you have any questions or need assistance.

NetWitness Community Portal	<a href="https://community.netwitness.com">https://community.netwitness.com</a> In the main menu, click <b>Support &gt; Case Portal &gt; View My Cases</b> .
International Contacts (How to Contact NetWitness Support)	<a href="https://community.netwitness.com/t5/support/ct-p/support">https://community.netwitness.com/t5/support/ct-p/support</a>
Community	<a href="https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions">https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions</a>

## Feedback on Product Documentation

You can send an email to [feedbacknwdocs@netwitness.com](mailto:feedbacknwdocs@netwitness.com) to provide feedback on NetWitness Platform documentation.