RSA NetWitness Platform

Event Source Log Configuration Guide

Cisco Advanced Malware Protection for Endpoints

Last Modified: Thursday, August 29, 2019

Event Source Product Information:

Vendor: Cisco
Event Source: Cisco AMP
Versions: All

RSA Product Information:

Supported On: NetWitness Platform 11.2.1 and later
Event Source Log Parser: cef

Note: The CEF parser parses this event source as **device.type=ciscoamp**.

Collection Method: Plugin Framework
Event Source Class.Subclass: Host.Cloud

To configure Cisco Advanced Malware Protection (AMP) for Endpoints, you must complete these tasks:

I. Configure the Cisco AMP event source

II. Set Up Cisco AMP Event Source in RSA NetWitness

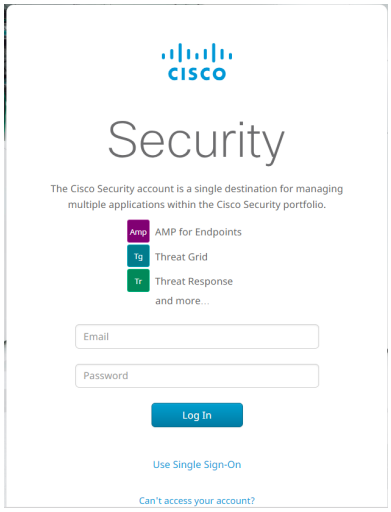
Configure the Cisco AMP Source

Cisco Advanced Malware Protection (AMP) for Endpoints prevents threats at point of entry, then continuously tracks every file it lets onto your endpoints. AMP can uncover advanced threats, including file-less malware and ransomware. The NetWitness Cisco AMP plugin collects the events generated in the amp endpoints (Audit, Domain Controller, IP Blocking Group, Protect, Server and Triage groups). For more information, see Cisco AMP for Endpoints.

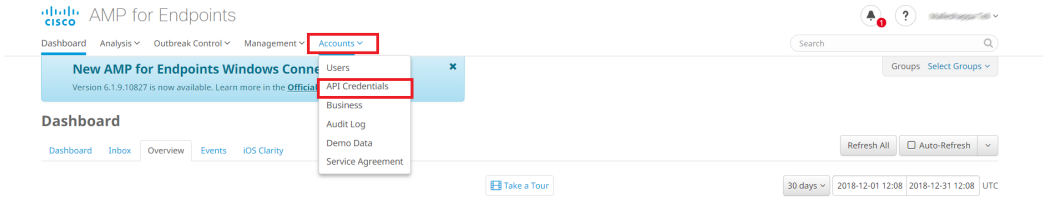
Enable Cisco Amp Log Management

To enable Cisco AMP:

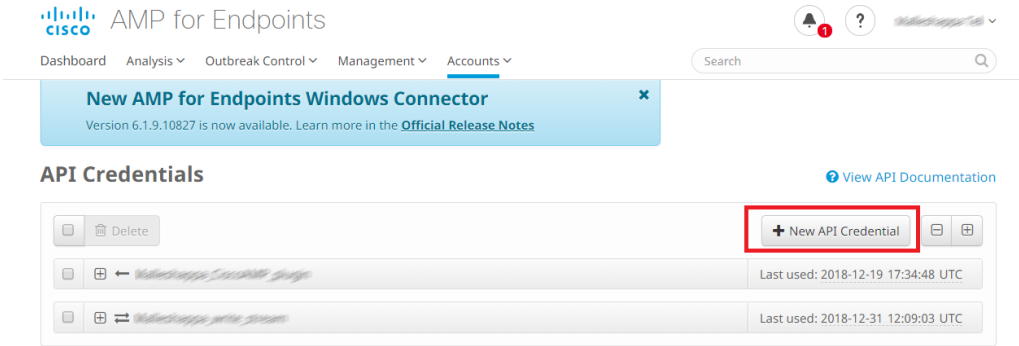
1. Log onto your Cisco AMP account.



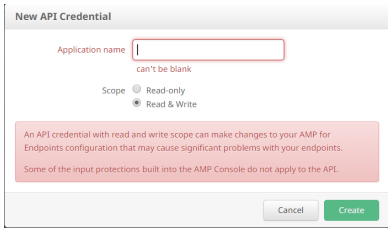
2. After you log in, click **Accounts > API Credentials**.



3. Click the **New API Credential** button.



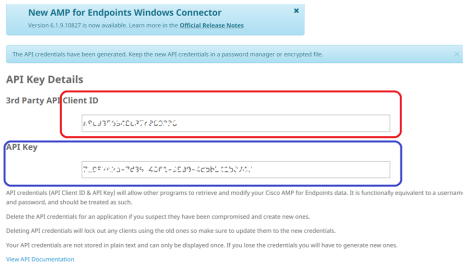
A new window is displayed:



4. Enter an **Application name**, ensure **Read & Write** is selected, and click **Create**.

   This generates your client ID and API key.

5. Copy both the client ID and API Key: you need them when you create an event stream.



Create an Event Stream

Cisco AMP pushes events to event streams (**event_streams**). Event streams contain the **event_stream_queue**, to where the events are queued. One organization can create a maximum of 5 **event_streams**.

To create an event_stream:

1. Log onto a NetWitness Log Collector, and navigate to the plugin directory using the following command:

   ```
   cd /etc/netwitness/ng/logcollection/content/collection/cmdscript/ciscoamp
   ```

2. Enable python 3.6 using the following command:

   ```
   source /opt/rh/rh-python36/enable
   ```

3. Run the python script and respond to the prompts.

   a. Run the command:

   ```
   python create_event_stream.py
   ```

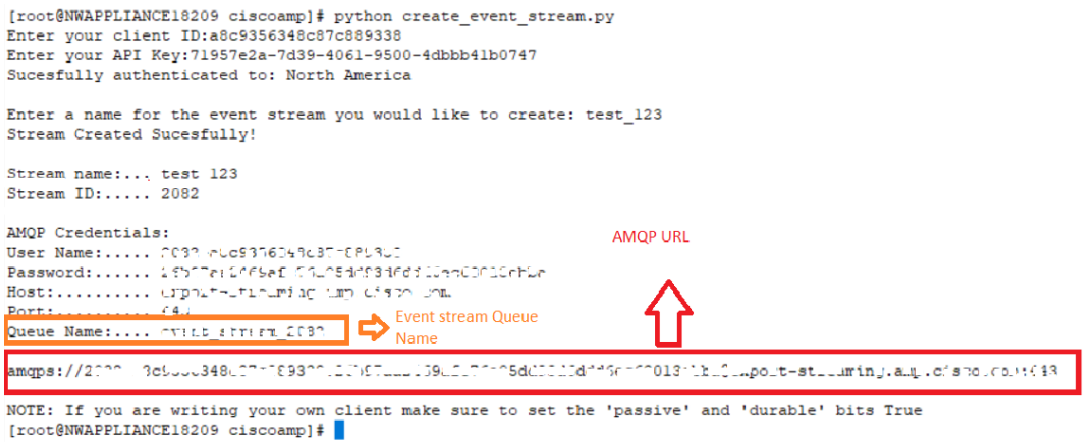
   b. The script prompts you for your client ID: type it in and click **Enter**.

   c. The script prompts you for your API key: type it in and click **Enter**.

   If your client ID and API key values are correct, the script displays a message that you have successfully authenticated to your region.

   d. The script prompts you to enter a name for the new event stream. Type in a name, and click **Enter**.

The event stream is created, and details are displayed, such as stream name, stream Id, AMQP credentials and AMQP URL. For example:



Note: Make sure to copy the AMQP URL and the Queue Name, as you need them when you configure the event source in NetWitness.

Set Up the Cisco AMP Event Source in NetWitness Platform

In RSA NetWitness Platform, perform the following tasks:

I. Deploy the **ciscoamp** package and CEF parser from Live

II. Configure the event source.

Deploy Cisco AMP Files from Live

Cisco AMP requires resources available in Live to collect logs.

To deploy the cef parser from Live:

1. In the RSA NetWitness Platform menu, select **CONFIGURE**.

   The **Live Content** tab is displayed.

2. Browse Live Content for the **Common Event Format (cef)** parser, using **Log Device** as the **Resource Type**.

3. Select the **cef** parser from the list and click **Deploy** to deploy it to the appropriate Log Decoders, using the Deployment Wizard.

4. You also need to deploy the Cisco AMP package. Browse Live for Cisco AMP content, typing "Cisco Amp" into the Keywords text box, then click **Search**.

5. Select the package and click **Deploy** to deploy it to the appropriate Log Collectors.

   Note: On a hybrid installation, you need to deploy the package on both the VLC and the LC.

6. Restart the **nwlogcollector** service.

For more details, see the Add or Update Supported Event Source Log Parsers topic, or the *Live Services Management Guide*.

Configure the Event Source

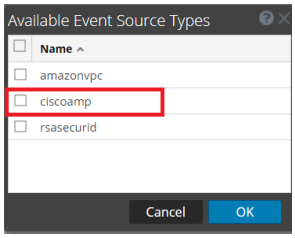
This section contains details on setting up the event source in RSA NetWitness Platform. In addition to the procedure, the Cisco AMP Collection Configuration Parameters are described, as well as how to collect Cisco AMP events in NetWitness Platform.

To configure the Cisco AMP Event Source:

1. In the RSA NetWitness Platform menu, select **ADMIN > Services**.
2. In the Services grid, select a Log Collector service, and from the Actions menu, choose **View > Config**.
3. In the **Event Sources** tab, select **Plugins/Config** from the drop-down menu.

   The Event Categories panel displays the File event sources that are configured, if any.
4. In the Event Categories panel toolbar, click +.

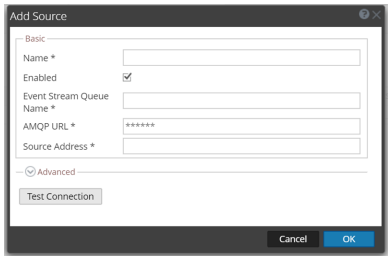
   The Available Event Source Types dialog is displayed.



5. Select **ciscoamp** from the list, and click **OK**.

   The newly added event source type is displayed in the Event Categories panel.
6. Select the new type in the Event Categories panel and click + in the Sources panel toolbar.

   The Add Source dialog is displayed.



7. Define parameter values, as described in Cisco AMP Collection Configuration Parameters.
8. Click **Test Connection**.

   The result of the test is displayed in the dialog box. If the test is unsuccessful, edit the device or service information and retry.

   Note: The Log Collector takes approximately 60 seconds to return the test results. If it exceeds the time limit, the test times out and RSA NetWitness Platform displays an error message.

9. If the test is successful, click **OK**.

   The new event source is displayed in the Sources panel.

Cisco AMP Collection Configuration Parameters

The following tables describe the configuration parameters for the Cisco AMP integration with RSA NetWitness Platform. Fields marked with an asterisk (*) are required.

Basic Parameters

Name	Description
Name *	Enter an alpha-numeric, descriptive name for the source. This value is only used for displaying the name on this screen.
Enabled *	Select the box to enable the event source configuration to start collection. The box is selected by default.
Event Stream Queue Name *	Enter the Event Stream Queue Name. This was displayed when you created the event stream earlier.
AMPQ URL*	Enter the AMPQ URL. This was displayed when you created the event stream earlier.
Source Address	A custom value chosen to represent the IP address for the Cisco AMP Logs Event Source in the customer environment. The value of this parameter is captured by the **device.ip** meta key.
Test Connection	Checks the configuration parameters specified in this dialog to make sure they are correct.

Advanced Parameters

Parameter	Description
Polling Interval	Interval (amount of time in seconds) between each poll. The default value is **180**.

Parameter	Description
	For example, if you specify **180**, the collector schedules a polling of the event source every 180 seconds. If the previous polling cycle is still underway, it will wait for it to finish that cycle. If you have a large number of event sources that you are polling, it may take longer than 180 seconds for the polling to start because the threads are busy.
Max Duration Poll	Maximum duration, in seconds, of a polling cycle. A zero value indicates no limit. The default is set to 600.
Max Events Poll	The maximum number of events per polling cycle (how many events collected per polling cycle).
Max Idle Time Poll	Maximum idle time in seconds, of a polling cycle. Zero (0) indicates no limit, and 300 is the maximum value allowed.
Command Args	Optional arguments to be added to the script invocation.
Debug	**Caution:** Only enable debugging (set this parameter to On or Verbose) if you have a problem with an event source and you need to investigate this problem. Enabling debugging will adversely affect the performance of the Log Collector. Enables or disables debug logging for the event source. Valid values are: • **Off** = (default) disabled • **On** = enabled • **Verbose** = enabled in verbose mode - adds thread information and source context information to the messages. This parameter is designed to debug and monitor isolated event source collection issues. If you change this value, the change takes effect immediately (no restart required). The debug logging is verbose, so limit the number of event sources to minimize performance impact.

Trademarks

For a list of RSA trademarks, go to www.emc.com/legal/emc-corporation-trademarks.htm#rsa.