RSA NetWitness Platform

Event Source Log Configuration Guide

Qualys Vulnerability Management

Last Modified: Tuesday, October 15, 2019

Event Source Product Information:

Vendor: Qualys
Event Source: Vulnerability Management Host Detections
Versions: API v2.0

RSA Product Information:

Supported On: Netwitness Platform 11.3 and later
Event Source Log Parser: cef

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

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

To configure Qualys Vulnerability Management Host Detections, you must complete these tasks:

I. Set Up the Qualys Vulnerability Management event source

II. Set Up Qualys Vulnerability Management Event Source in RSA NetWitness

Set Up Qualys Vulnerability Management

About Qualys VM

Qualys VM is a cloud-based service that gives you global visibility into where your IT systems might be vulnerable to the latest Internet threats and how to protect them. It helps you to continuously identify threats and monitor unexpected changes in your network before they turn into breaches.

The plugin provided by NetWitness helps download a list of hosts and their latest vulnerability data, based on the host-based scan data available in the user's account. This data provides the latest complete vulnerability status for the downloaded hosts (NEW, ACTIVE, FIXED, REOPENED), as well as history information.

Based on permissions, the following groups are defined:

- **Managers** can view all VM scanned hosts in a subscription
- **Unit Managers** can view VM scanned hosts in their own business unit
- **Scanners** and **Readers** can view VM scanned hosts in their own user account
- **Auditors** have no permission to view VM scanned hosts

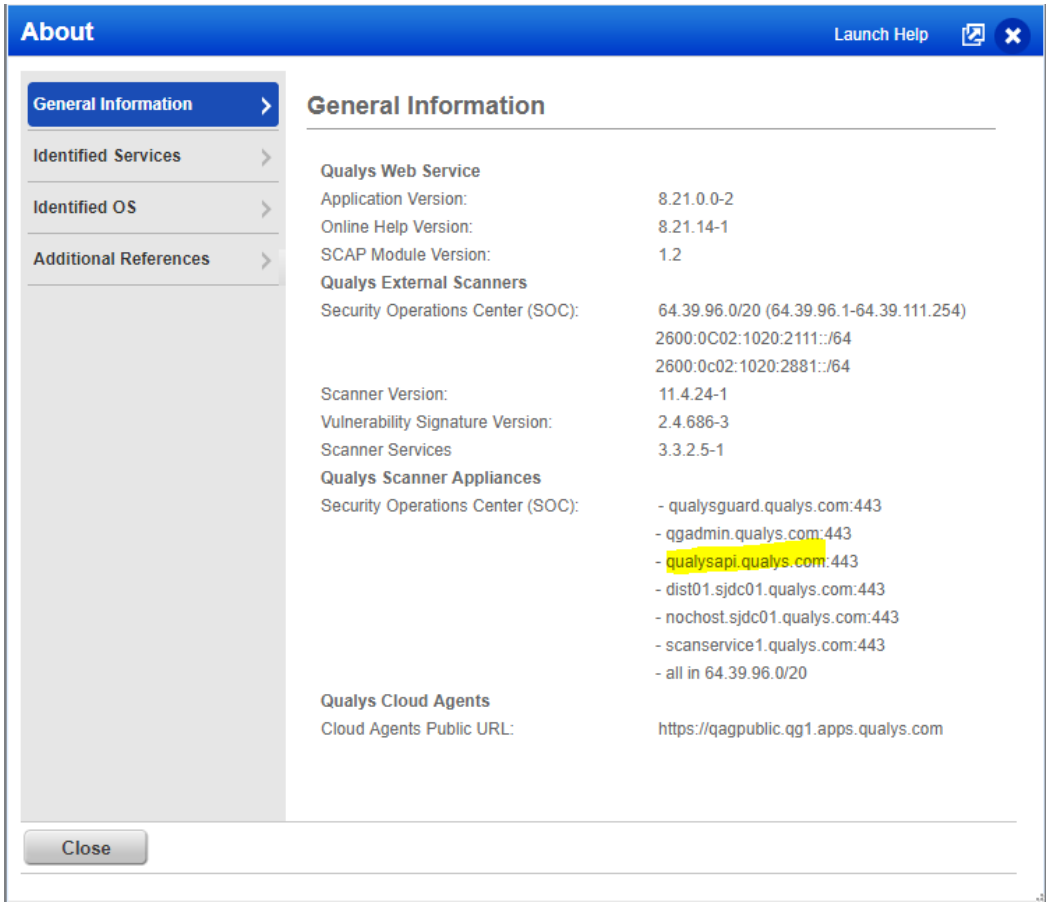
For details about scheduling and managing Host Scans please refer to the Qualys Documentation Page here: https://www.qualys.com/documentation/

Determine Your Qualys Platform

To initialize an instance of the Qualys VM Host Detections plugin, you need to provide Username, Password and API Server Path. Qualys maintains multiple Qualys platforms: the API Server Path you need to use depends on the type of platform on which your account is located.

To determine this information, do the following:

1. Log on to your Qualys account and go to **Help > About**.
2. Look under the **Security Operations Center (SOC)** section of the screen:



In the above example, **qualysapi.qualys.com:443** is the API Server Path URL. You will need this information when you configure the event source in NetWitness Platform.

Set Up the Qualys VM Event Source in NetWitness Platform

In RSA NetWitness Platform, perform the following tasks:

I. Deploy the CEF parser and supporting files from Live

II. Configure the Qualys Vulnerability Management Event Source in NetWitness Platform.

Deploy Qualys Files from Live

The Qualys VM Host Detections plugin requires resources available in Live in order to collect logs.

To deploy the required content 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 **qualys_vm_hosts** package. Browse Live for Qualys content, typing "qualys" into the Keywords text box, then click **Search**.

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

   Note: If a remote VLC is being used for collection, then you need to deploy the plugin to the remote VLC as well as the Decoder.

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 Qualys VM Event Source in NetWitness Platform

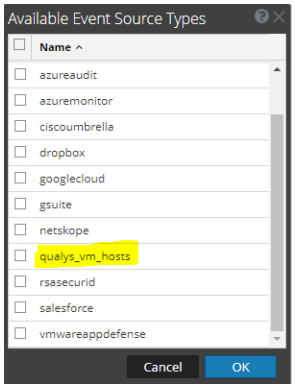
To configure the Qualys VM Host Detections Event Source:

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 plugin event sources that are configured, if any.

4. In the Event Categories panel toolbar, click +.

   The Available Event Source Types dialog is displayed.

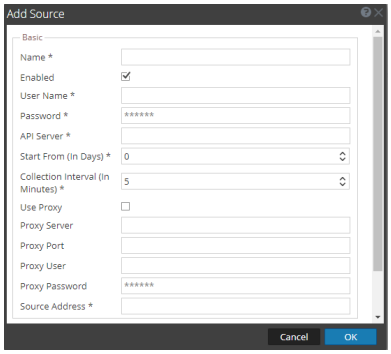


5. Select **qualys_vm_hosts** from the list, and click **OK**.

   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 Qualys VM 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.

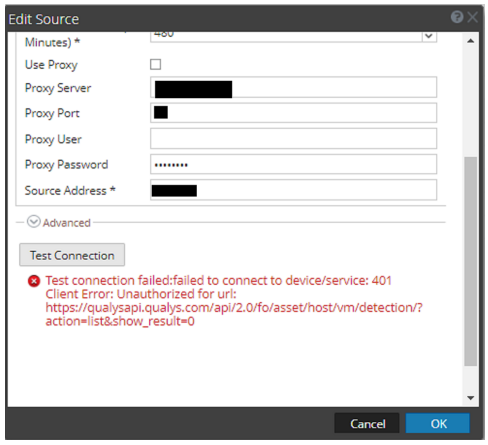
   Note: The Log Collector takes approximately 60 seconds to return the test results. If it exceeds the time limit, the test times out and RSA NetWitness Platform displays an error message.

9. Depending on the result:

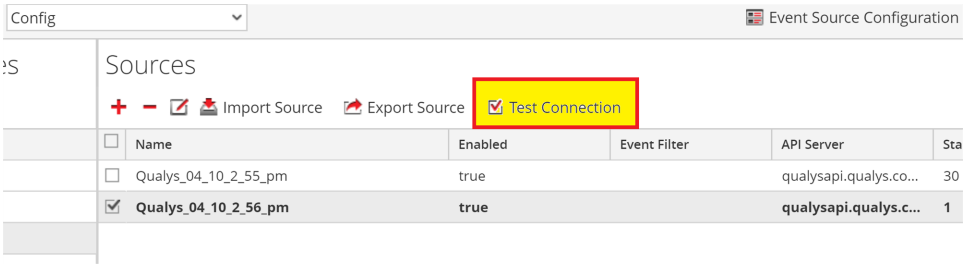
   - If the test is successful, click **OK**.

     The new event source is displayed in the Sources panel.

- There is a known issue that could cause the test to fail. The test connection might show an error in the edit source window:



If you see this error, click **Cancel** to close the dialog box, then click **Test Connection** at the top of the Sources pane:



If you entered the correct values in step 6, the test should now pass.

Qualys VM Collection Configuration Parameters

The following table describes the configuration parameters for the Qualys VM integration with RSA NetWitness Platform. Fields marked with an asterisk (*) are required.

Note: Items that are followed by an asterisk (*) 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.
User Name*	Enter the credentials for your Qualys user account.
Password*	
API Server*	Enter the Qualys API Server URL: this information was displayed earlier, in the **Help > About** screen for your Qualys account.
Start From (In Days)*	Enter the number of previous days from which to start collecting logs. This parameter defaults to the current date (0).
Collection Interval (In Minutes)*	This is the interval, in minutes, between two consecutive polls for data from the Qualys event source. For example, if you are generating a report every 24 hours, then RSA recommends that you set this value to **1440** (24 hours * 60 minutes per hour) to keep duplication to a minimum.
Use Proxy	Check to enable proxy.
Proxy Server	If you are using a proxy, enter the proxy server address.
Proxy Port	Enter the proxy port.
Proxy User	Username for the proxy (leave empty if using anonymous proxy).
Proxy Password	Password for the proxy (leave empty if using anonymous proxy).
Source Address *	IP address that is to be provided to the Qualys VM plugin instance: logs from this event source will be collected with this device IP.

Name	Description
	Note: This is an arbitrary IP address chosen by the user. This value has no bearing on the collection of logs: its value is captured by the device.ip meta key, and can help you to query or group events collected by a particular instance of the plugin.
Test Connection	Checks the configuration parameters specified in this dialog to make sure they are correct.

Note: Please avoid using special characters in the **Proxy User** and **Proxy Password** sections.

Advanced Parameters

Parameter	Description
Polling Interval	Interval (amount of time in seconds) between each poll. The default value is **180**. 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 duration, in seconds, of a polling cycle. A zero value indicates no limit.
Command Args	Optional arguments to be added to the script invocation.

Parameter	Description
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.
SSL Enabled	The check box is selected by default. Uncheck this box to disable SSL certificate verification.

Trademarks

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