ThreatQuotient

Trellix EX Connector Guide

Version 1.3.0

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.3.0
Compatible with ThreatQ Versions	>= 4.34.0
Python Version	3.6
Support Tier	ThreatQ Supported
ThreatQ Marketplace	https://marketplace.threatq.com/details/trellix-ex-connector

Introduction

The Trellix EX custom connector is a bi-directional integration that is used to:

1. Upload YARA rules from a data collection in ThreatQ to Trellix
2. Search for alerts in Trellix EX and create events from those alerts in ThreatQ, including any indicators that have been found in the alerts.

> ⚠️ The Trellix EX connector replaces the FireEye EX connector as of version 1.3.0.

Prerequisites

Review the following requirements before attempting to install the connector.

Time Zone

You should ensure all ThreatQ devices are set to the correct time, time zone, and date (UTC is recommended), and using a clock source available to all.

To identify which time zone is closest to your present location, use the `timedatectl` command with the list-`timezones` command line option.

For example, enter the following command to list all available time zones in Europe:

```
timedatectl list-timezones | grep Europe
Europe/Amsterdam
Europe/Athens
Europe/Belgrade
Europe/Berlin
```

Enter the following command, as root, to change the time zone to UTC:

```
timedatectl set-timezone UTC
```

Integration Dependencies

> ⚠️ The integration must be installed in a python 3.6 environment.

The following is a list of required dependencies for the integration. These dependencies are downloaded and installed during the installation process. If you are an Air Gapped Data Sync (AGDS) user, or run an instance that cannot connect to network services outside of your infrastructure, you will need to download and install these dependencies separately as the integration will not be able to download them during the install process.

> 🗒️ Items listed in bold are pinned to a specific version. In these cases, you should download the version specified to ensure proper function of the integration.

DEPENDENCY	VERSION	NOTES
threatqsdk	>=1.8.6	N/A
threatqcc	>=1.4.2	N/A

Installation

The following provides you with steps on installing a Python 3 Virtual Environment and installing the connector.

Creating a Python 3.6 Virtual Environment

Run the following commands to create the virtual environment:

```
mkdir /opt/tqvenv/
sudo yum install -y python36 python36-libs python36-devel python36-pip
python3.6 -m venv /opt/tqvenv/<environment_name>
source /opt/tqvenv/<environment_name>/bin/activate
pip install --upgrade pip
pip install threatqsdk threatqcc
pip install setuptools==59.6.0
```

Proceed to Installing the Connector.

Installing the Connector

> ⚠️ **Upgrading Users** - Review the Change Log for updates to configuration parameters before updating. If there are changes to the configuration file (new/removed parameters), you must first delete the previous version's configuration file before proceeding with the install steps listed below. Failure to delete the previous configuration file will result in the connector failing.

1. Navigate to the ThreatQ Marketplace and download the .whl file for the integration.
2. Activate the virtual environment if you haven't already:

```
source /opt/tqvenv/<environment_name>/bin/activate
```

3. Transfer the whl file to the `/tmp` directory on your ThreatQ instance.
4. Install the connector on your ThreatQ instance:

```
pip install /tmp/tq_conn_trellix_ex-<version>-py3-none-any.whl
```

> 📝 A driver called `tq-conn-trellix-ex` will be installed. After installing, a script stub will appear in `/opt/tqvenv/<environment_name>/bin/tq-conn-trellix-ex`.

5. Once the application has been installed, a directory structure must be created for all configuration, logs and files, using the `mkdir -p` command. Use the commands below to create the required directories:

```
mkdir -p /etc/tq_labs/
mkdir -p /var/log/tq_labs/
```

6. Perform an initial run using the following command:

```
/opt/tqvenv/<environment_name>/bin/tq-conn-trellix-ex -ll /var/log/tq_labs/ -c /etc/tq_labs/ -v3
```

7. Enter the following parameters when prompted:

PARAMETER	DESCRIPTION
ThreatQ Host	This is the host of the ThreatQ instance, either the IP Address or Hostname as resolvable by ThreatQ.

PARAMETER	DESCRIPTION
ThreatQ Client ID	This is the OAuth id that can be found at Settings Gear → User Management → API details within the user's details.
ThreatQ Username	This is the email address of the user in the ThreatQ System that will manange integrations.
ThreatQ Password	The password for the above ThreatQ account.

Example Output

```
/opt/tqvenv/<environment_name>/bin/tq-conn-trellix-ex -ll /var/log/tq_labs/ -c /etc/tq_labs/ -v3
ThreatQ Host: <ThreatQ Host IP or Hostname>
ThreatQ Client ID: <ClientID>
ThreatQ Username: <EMAIL ADDRESS>
ThreatQ Password: <PASSWORD>
Connector configured. Set information in UI
```

You will still need to configure and then enable the connector.

Configuration

> ThreatQuotient does not issue API keys for third-party vendors. Contact the specific vendor to obtain API keys and other integration-related credentials.

To configure the integration:

1. Navigate to your integrations management page in ThreatQ.
2. Select the **Labs** option from the *Category* dropdown (optional).
3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

PARAMETER	DESCRIPTION
API IP/Hostname	Your Hostname or IP address of Trellix EX.
Port	The Port for communicating with the Trellix EX instance (default is 443).
Username	The Username for connecting to Trellix.
Password	The Password for authenticating with Trellix.
Data Collectionwith YARA Rules to Send to Trellix EX	The name of the collection in the ThreatQ instance with YARA rules to send to Trellix EX.
Get alerts from Trellix EX	Enable this option if you want to get alerts from Trellix EX and create them as events in ThreatQ.
Enter the historical timeframe in hours to search for events in Trellix EX	Enter the historical number of hours to search for alerts. The maximum historical timeframe is 12 hours.

5. Review any additional settings, make any changes if needed, and click on **Save**.

6. Click on the toggle switch, located above the *Additional Information* section, to enable it.

Usage

Use the following command to execute the driver:

```
<> /opt/tqvenv/<environment_name>/bin/tq-conn-trellix-ex -v3 -ll /
   var/log/tq_labs/ -c /etc/tq_labs/
```

Command Line Arguments

This connector supports the following custom command line arguments:

ARGUMENT	DESCRIPTION
-h, --help	Shows this help message and exits.
-ll LOGLOCATION, --loglocation LOGLOCATION	Sets the logging location for the connector. The location should exist and be writable by the current. A special value of 'stdout' means to log to the console (this happens by default).
-c CONFIG, --config CONFIG	This is the location of the configuration file for the connector. This location must be readable and writable by the current user. If no config file path is given, the current directory will be used. This file is also where some information from each run of the connector may be put (last run time, private oauth, etc.)
-v {1,2,3}, --verbosity {1,2,3}	This is the logging verbosity level. The default setting is **1** (Warning).
-n, --name	Optional - Name of the connector (Option used in order to allow users to configure multiple Intelligence Mailbox connector instances on the same TQ box).

ARGUMENT	DESCRIPTION
`-hist, --historical{DATE}`	Optional - Allows you to set the start date for the Threat Library search.

CRON

Automatic CRON configuration has been removed from this script. To run this script on a recurring basis, use CRON or some other jobs scheduler. The argument in the CRON script must specify the config and log locations.

Add an entry to your Linux crontab to execute the connector at a recurring interval. Depending on how quickly you need updates, this can be run multiple times a day (no more than once an hour) or a few times a week.

In the example below, the command will execute the connector every two hours.

1. Log into your ThreatQ host via a CLI terminal session.
2. Enter the following command:

```
<> crontab -e
```

This will enable the editing of the crontab, using vi. Depending on how often you wish the cronjob to run, you will need to adjust the time to suit the environment.

3. Enter the commands below:

Every 2 Hours Example

```
<> 0 */2 * * * /opt/tqvenv/<environment_name>/bin/tq-conn-
   trellix-ex -c /etc/tq_labs/ -ll /var/log/tq_labs/ -v3
```

4. Save and exit CRON.

Change Log

- **Version 1.3.0**
  - Rebranded the connector from FireEye to Trellix to match vendor branding.
- **Version 1.2.1**
  - Updated connector to use ThreatQ Threat Library Data Collections opposed to Saved Searches.
  - Improved logging capability.
  - Updated connector to reflect changes to the ThreatQ SDK.
- **Version 1.2.0**
  - Added Python 3 support.
- **Version 1.1.0**
  - YARA Rules are now pushed to FireEye EX host/ip opposed to FireEye EX.
  - Updated the proxy method for request session.
- **Version 1.0.0**
  - Initial Release