

ThreatQuotient



McAfee ATD Connector User Guide

Version 1.1.0

October 18, 2023

ThreatQuotient

20130 Lakeview Center Plaza Suite 400
Ashburn, VA 20147

 **ThreatQ Supported**

Support

Email: support@threatq.com

Web: support.threatq.com

Phone: 703.574.9893

Contents

Warning and Disclaimer	3
Support	4
Integration Details.....	5
Introduction	6
Prerequisites	7
Time Zone	7
Integration Dependencies	8
Installation.....	9
Creating a Python 3.6 Virtual Environment	9
Installing the Connector.....	10
Configuration	12
Usage.....	14
Command Line Arguments.....	14
Known Issues / Limitations	15
Change Log	16

Warning and Disclaimer

ThreatQuotient, Inc. provides this document “as is”, without representation or warranty of any kind, express or implied, including without limitation any warranty concerning the accuracy, adequacy, or completeness of such information contained herein. ThreatQuotient, Inc. does not assume responsibility for the use or inability to use the software product as a result of providing this information.

Copyright © 2023 ThreatQuotient, Inc.

All rights reserved. This document and the software product it describes are licensed for use under a software license agreement. Reproduction or printing of this document is permitted in accordance with the license agreement.

Support

This integration is designated as **ThreatQ Supported**.

Support Email: support@threatq.com

Support Web: <https://support.threatq.com>

Support Phone: 703.574.9893

Integrations/apps/add-ons designated as **ThreatQ Supported** are fully supported by ThreatQuotient's Customer Support team.

ThreatQuotient strives to ensure all ThreatQ Supported integrations will work with the current version of ThreatQuotient software at the time of initial publishing. This applies for both Hosted instance and Non-Hosted instance customers.



ThreatQuotient does not provide support or maintenance for integrations, apps, or add-ons published by any party other than ThreatQuotient, including third-party developers.

Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version 1.1.0

**Compatible with ThreatQ
Versions** >= 4.41.0

Python Version 3.6

Support Tier ThreatQ Supported

Introduction

The McAfee ATD Connector uses the McAfee DXL to ingest information about malware analyses that are performed and utilizes the McAfee ATD REST API to fetch ATD PDF.



The fetched ATD PDF reports will be linked to the main indicator.



The McAfee ATD Connector will only ingest data after being initiated by the user via command line. The connector will continue to ingest data until manually terminated by the user. See the [Usage](#) section of this guide for command details.

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	>=1.8.1	N/A
threatqcc	>=1.4.1	N/A
dxlclient	>=4.0.0.417	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 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_mcafee_atd-<version>-py3-none-any.whl
```



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

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-mcafee-atd -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.
ThreatQ Client ID	This is the OAuth id that can be found at Settings Gear → User Management → API details within the user's details.

PARAMETER	DESCRIPTION
ThreatQ Username	This is the Email Address of the user in the ThreatQ System for integrations.
ThreatQ Password	The password for the above ThreatQ account.
Status	This is the default status for objects that are created by this Integration.

Example Output

```

/opt/tqvenv/<environment_name>/bin/tq-conn-mcafee-atd -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>
Status: Review
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
ePO Hostname	The ePO instance hostname or IP address.
ePO DXL Registration Port	The ePO instance DXL Registration Port, defaulting to 8443.
ePO Username	The ePO instance Username.
ePO Password	The ePO instance Password.
ATD Hostname	The ATD instance hostname or IP Address.
ATD Username	The ATD instance username.
ATD Password	The ATD instance password.
Verify SSL	Checking this option will have the connector verify SSL connections with the configured ATD server.
Event Severity Threshold	The minimum severity for which events are processed. The default for this setting is Low .

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.



The McAfee ATD Connector will only ingest data after being initiated by the user via command line. The connector will continue to ingest data until manually terminated by the user. See the [Usage](#) section of this guide for command details.

Usage

Use the following command to execute the driver:

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

Command Line Arguments

This connector supports the following custom command line arguments:

ARGUMENT	DESCRIPTION
<code>-h, --help</code>	Review all additional options and their descriptions.
<code>-ll LOGLOCATION, --loglocation LOGLOCATION</code>	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).
<code>-c CONFIG, --config CONFIG</code>	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.)
<code>-v {1,2,3}, --verbosity {1,2,3}</code>	This is the logging verbosity level where 3 means everything.
<code>-n, --name</code>	Name of the connector (Option used in order to allow users to configure multiple McAfee ATD connector instances on the same TQ box).
<code>-rp (optional)</code>	If set, the DXL client is re-provisioned with the current user field values instead of using the previously-provisioned certificates stored on disk.

Known Issues / Limitations

- MITRE ATT&CK attack patterns must have already been ingested by a previous run of the MITRE ATT&CK feeds in order for MITRE ATT&CK attack patterns to be related. MITRE ATT&CK attack patterns are ingested from the following feeds:
 - MITRE Enterprise ATT&CK
 - MITRE Mobile ATT&CK
 - MITRE PRE-ATT&CK
- MITRE ATT&CK data that already exists in ThreatQ will only be reloaded into this connector at most once a day.

Change Log

- **Version 1.1.0**
 - Updated the connector dependencies.
- **Version 1.0.0**
 - Revamped the connector.
- **Version 0.8.1**
 - Initial release