## **ThreatQuotient**



# ThreatQuotient for Palo Alto Wildfire Operation

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## **About This ThreatQuotient for Palo Alto Wildfire Operation**

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#### **Document Conventions**



Alerts readers to take note. Notes contain suggestions or references to material not covered in the document.



Alerts readers to be careful. In this situation, you may do something that could result in equipment damage or loss of data.



Alerts the reader that they could save time by performing the action described in the paragraph.



Alerts the reader that the information could help them solve a problem. The information might not be troubleshooting or even an action.

### Introduction

## 1.1 Application Function

The ThreatQuotient for Palo Alto Wildfire Operation allows a ThreatQ user to execute three (3) actions on Palo Alto Networks Wildfire. It gives users the ability to submit files to Wildfire, as well as retrieve the report back from Wildfire based on its hash. It also provides the user with a way to query Wildfire to get a verdict on a hash (MD5/SHA-256). Possible verdicts include: Malware, Phishing, Grayware, or Benign.

#### 1.2 Preface

This guide provides the information necessary to implement the ThreatQuotient for Palo Alto Wildfire Operation. This document is not specifically intended as a site reference guide. It is assumed that the implementation engineer has experience installing and commissioning the ThreatQuotient Apps and integrations covered within the document, as well as experience necessary to troubleshoot at a basic level.

#### 1.3 Audience

This document is intended for use by the following parties:

- 1. ThreatQ and Security Engineers.
- 2. ThreatQuotient Professional Services Project Team & Engineers.

## 1.4 Scope

This document covers the implementation of the application only.

Table 1: ThreatQuotient Software & App Version Information

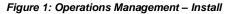
Software/App Name	File Name	Version
ThreatQ	Version 3.6.x or greater	
ThreatQuotient for Palo Alto Wildfire Operation	1.2.0	

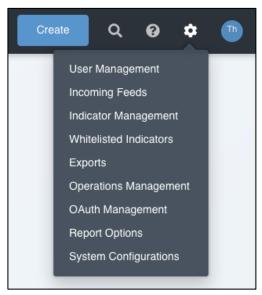
## ThreatQuotient for Palo Alto Wildfire Operation Installation

## 1.5 Setting up the Integration

Ensure the file tq\_op\_palo\_alto\_networks\_wildfire-1.2.0-py3-none-any.whl is available on the device being used to administer the ThreatQ instance in which the ThreatQuotient for Palo Alto Wildfire Operation is being installed or upgraded.

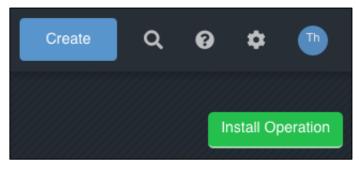
1. Navigate to the **Settings icon > Operations Management**.





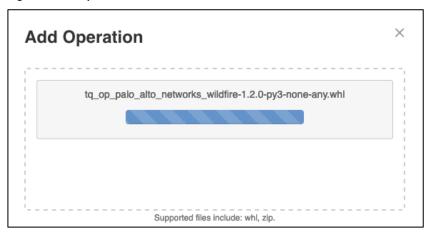
2. Click on **Install Operation** in the upper right corner.

Figure 2: Install Operation



3. Drag the tq\_op\_palo\_alto\_networks\_wildfire-1.2.0-py3-none-any.whl to the Add Operation Popup or click to Browse and browse to the required file.

Figure 3: Add Operation



#### 4. Click Install or Upgrade.



You may be presented with **OPERATION ALREADY INSTALLED** as shown below.

Figure 4: Add Operation



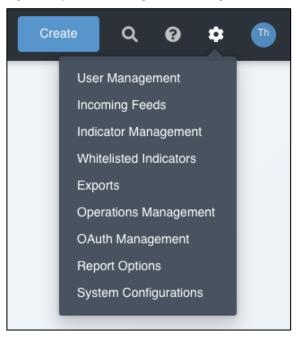
Installation or upgrade is now complete.

## 1.6 Configuring the Operation

The following section covers the configuration of the ThreatQuotient for Palo Alto Wildfire Operation.

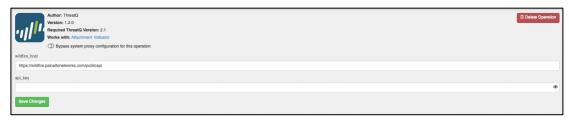
1. Navigate to the **Settings icon** > **Operations Management.** 

Figure 5: Operations Management - Configuration



2. Expand the "Palo Alto WildFire" configuration.

Figure 6: Operation Configuration



- 3. Enter the Wildfire On Premise URL (Cloud URL used if not provided).
- 4. Enter the Wildfire API Key from Palo Alto in the Wildfire API Key field.
- 5. Click Save Change.
- 6. Click the toggle button next to Palo Alto Networks WildFire to enable the operation.

### 1.7 Palo Alto Networks Wildfire Supported File Types

Table 2: Palo Alto Networks WildFire Supported File Types

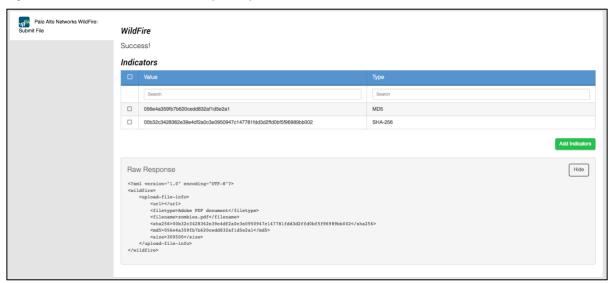
File Types Supported	WildFire Global Cloud	WildFire Private Cloud (WildFire Appliance)
Links contained in emails	Yes	Yes
Android application package (APK) files	Yes	No
Java Archive (JAR) files	Yes	Yes

Microsoft Office files	Yes	Yes
Portable executable (PE) files	Yes	Yes
Portable document format (PDF) files	Yes	Yes
Mac OS X files	Yes	No
Linux (ELF) files	Yes	No
Archive (RAR and 7-Zip) files	Yes	No

#### Wildfire Submit File Example

This action allows you to submit a file to Wildfire's file analysis engine. The response will include the hashes for the given file so you can relate them and fetch the report once the analysis is finished.

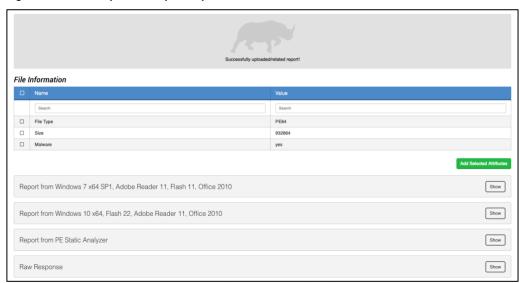
Figure 7: WildFire File Submission Example Output



#### Wildfire Get Report Example

This action allows you to query Wildfire for any hits on a hash. If found, it will return a report for the hash in two forms. First, it will download a PDF report, and then upload and relate it to the ThreatQ hash. Second, it will parse the returned XML report and display some results immediately to your operation results window. Here is an example result when you run the action.

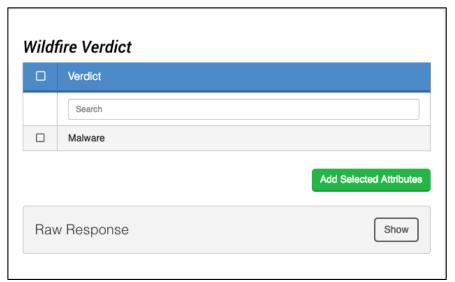
Figure 8: Wildfire Report Example Output



#### Wildfire Verdict Example

This action allows you to query Wildfire for any hits on a hash. If found, it will return a single attribute informing you of the verdict on the hash. The available verdicts are: Malware, Grayware, Phishing, or Benign.

Figure 9: Wildfire Verdict Example Output



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