ThreatQuotient

ThreatQuotient for Rapid7 InsightVM Operation

Version 1.0.0

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Introduction

1.1 Application Function

The ThreatQuotient for Rapid7 InsightVM Operation allows a ThreatQ user to execute two CVE actions on their Rapid7 InsightVM instance. First, it allows users to query for CVE details in their Rapid7 InsightVM instance. This action will return information on the vulnerability, such as the scores and solutions. Second, it allows users to query Rapid7 InsightVM to see if any configured sites or assets are vulnerable to a specific CVE. This action will show information on the asset as well as solutions to the vulnerability.

1.2 Preface

This guide provides the information necessary to implement the ThreatQuotient for Rapid7 InsightVM 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 the 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 and Engineers

1.4 Scope

This document covers the implementation of the application only.

Table 1: ThreatQuotient Software & App Version Information

<table>
<tr><th>Software/App Name</th><th>File Name</th><th>Version</th></tr>
<tr><td>ThreatQ</td><td colspan="2">Version 3.6.x or greater</td></tr>
<tr><td>ThreatQuotient for Rapid7 InsightVM Operation</td><td colspan="2">Version 1.0.0</td></tr>
</table>

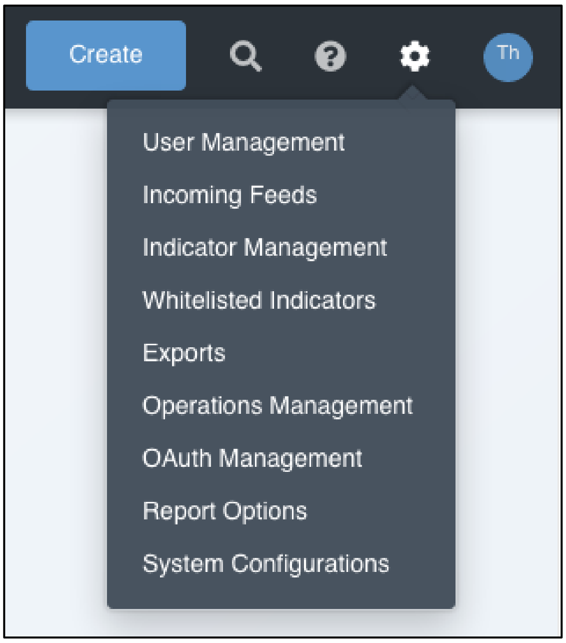
ThreatQuotient for Rapid7 InsightVM Operation Installation

1.5 Setting up the Integration

Ensure the file `tq_op_rapid7_insight_vm-1.0.0-py3-none-any.whl` is available on the device being used to administer the ThreatQ instance in which the ThreatQuotient for Rapid7 InsightVM Operation is being installed or upgraded.

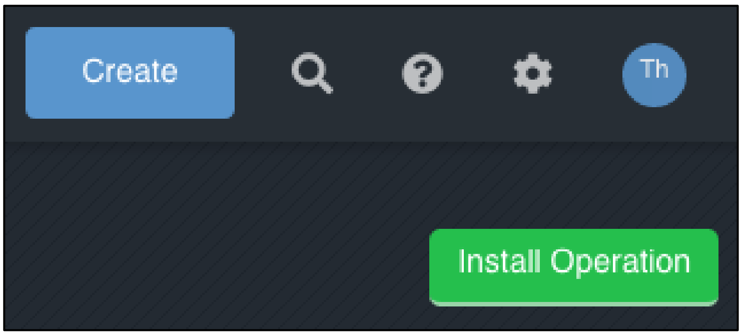
1. Navigate to the Settings icon > Operations Management.

Figure 1: Operations Management – Install



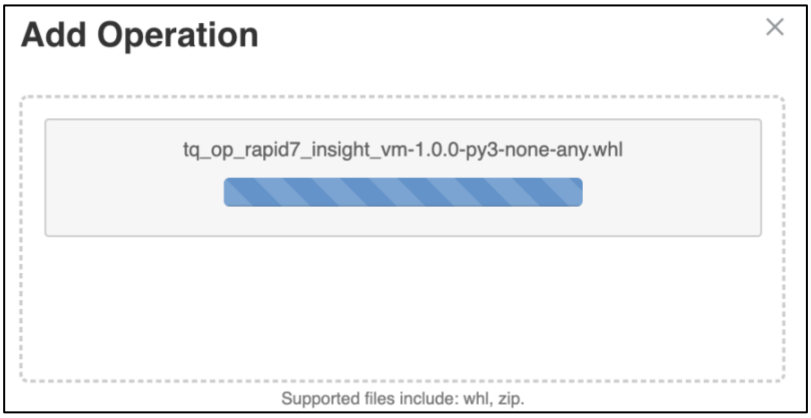
2. Click **Install Operation** in the upper right corner.

Figure 2: Install Operation



3. Drag the `tq_op_rapid7_insight_vm-1.0.0-py3-none-any.whl` to the Add Operation Popup or **Click to Browse** to the required file.

Figure 3: Add Operation



Add Operation

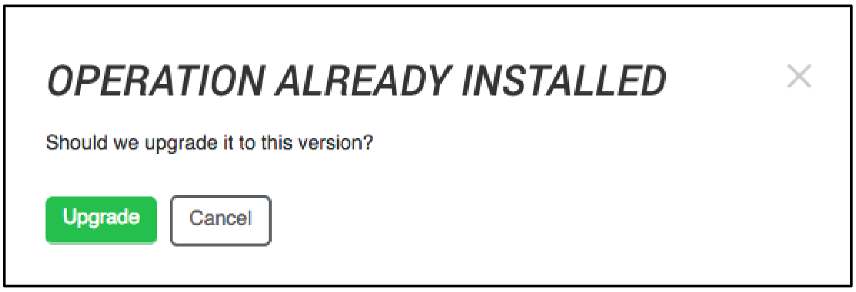
tq_op_rapid7_insight_vm-1.0.0-py3-none-any.whl

Supported files include: whl, zip.

4. Click on **Install** or **Upgrade**.

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

Figure 4: Add Operation



OPERATION ALREADY INSTALLED

Should we upgrade it to this version?

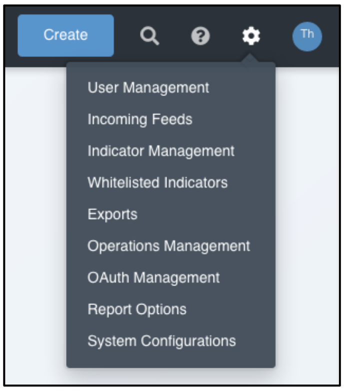
5. Installation or upgrade is now complete.

1.6 Configuring the Operation

The following section covers the configuration of the ThreatQuotient for Rapid7 InsightVM Operation.

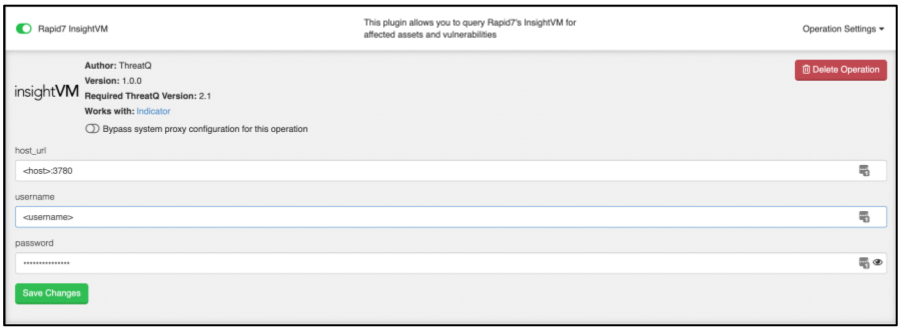
1. Navigate to the **Settings icon** > **Operations Management**.

Figure 5: Operations Management – Configuration



2. Expand the **Operations Settings** configuration.

Figure 6: Operation Configuration



This plugin allows you to query Rapid7's InsightVM for affected assets and vulnerabilities

Author: ThreatQ
Version: 1.0.0
Required ThreatQ Version: 2.1
Works with: Indicator

○ Bypass system proxy configuration for this operation

host_url
<host>:3780

username
<username>

password
•••••••••••••••

3. **host_url**: Your Rapid7 InsightVM URL
4. **username**: Your Rapid7 InsightVM username to use with the API
5. **password:** Your Rapid7 InsightVM password associated with the above username
6. Click **Save Changes**. The operation is now ready to be used.

1.7 Using the Operation

The following section covers the use of the ThreatQuotient for Rapid7 InsightVM Operation.

This operation comes with two actions you can execute on Rapid7 InsightVM.

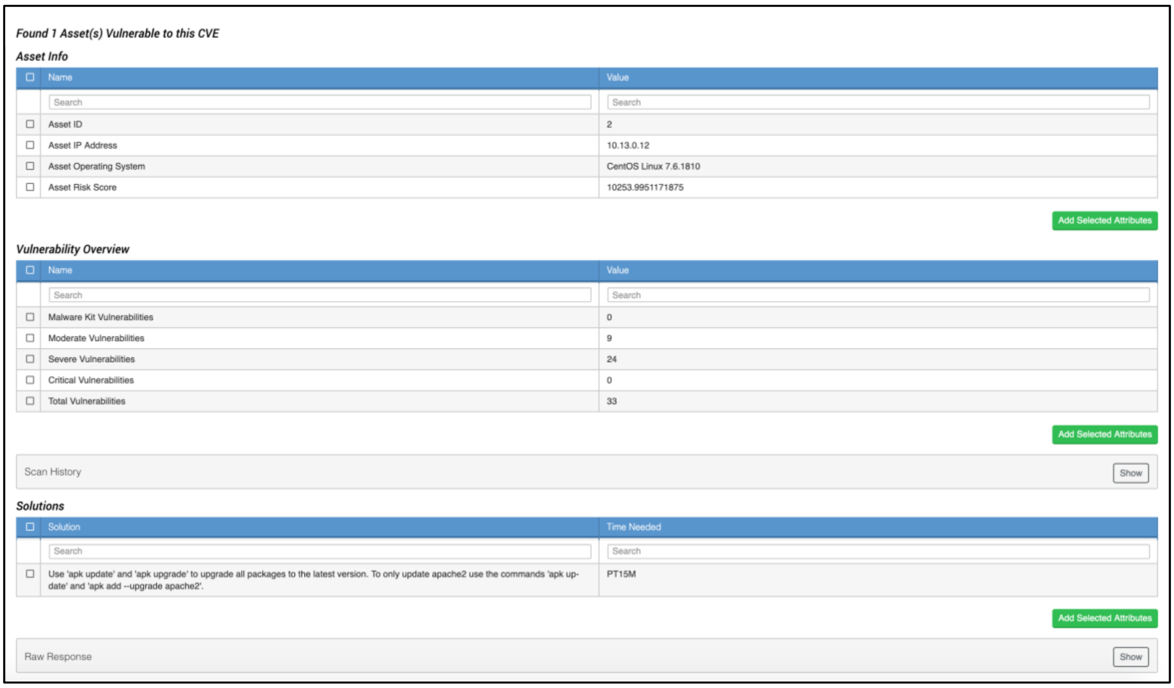
- Get Affected Assets
- Query

1.7.1 Get Affected Assets

This action allows you to query Rapid7 InsightVM and see if you have any assets/sites affected by the specific CVE.

Running this action will give you results similar to the following example.

Figure 7: Operation Get Affected Results



Found 1 Asset(s) Vulnerable to this CVE

Asset Info

□	Name	Value
	Search	Search
□	Asset ID	2
□	Asset IP Address	10.13.0.12
□	Asset Operating System	CentOS Linux 7.6.1810
□	Asset Risk Score	10253.9951171875

Vulnerability Overview

□	Name	Value
	Search	Search
□	Malware Kit Vulnerabilities	0
□	Moderate Vulnerabilities	9
□	Severe Vulnerabilities	24
□	Critical Vulnerabilities	0
□	Total Vulnerabilities	33

Solutions

□	Solution	Time Needed
	Search	Search
□	Use 'apk update' and 'apk upgrade' to upgrade all packages to the latest version. To only update apache2 use the commands 'apk update' and 'apk add --upgrade apache2'.	PT15M

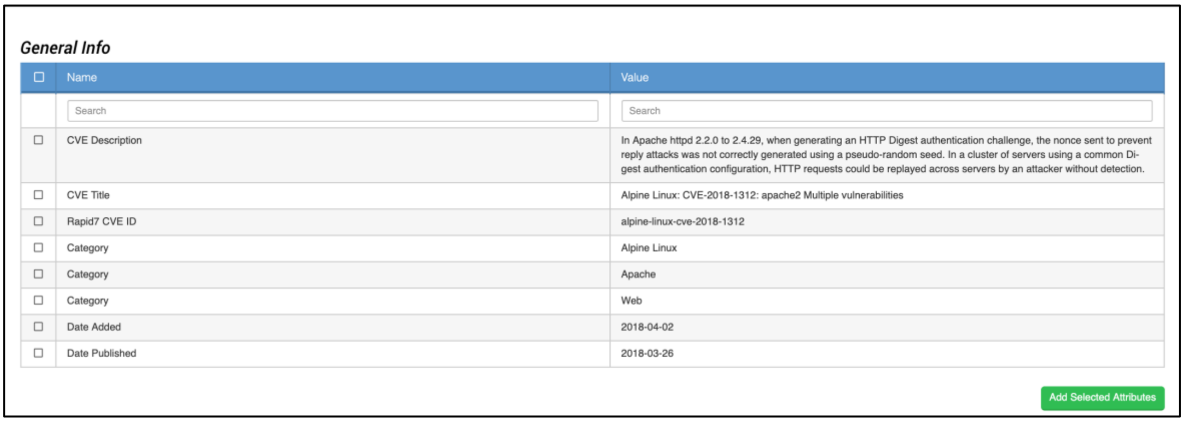
If there are no assets affected by the vulnerability, you will receive a message saying there are no affected assets.

1.7.2 Query

This action allows you to query your Rapid7 InsightVM to see what information and scores it has for the vulnerability.

Running the action will show you results similar to the following:

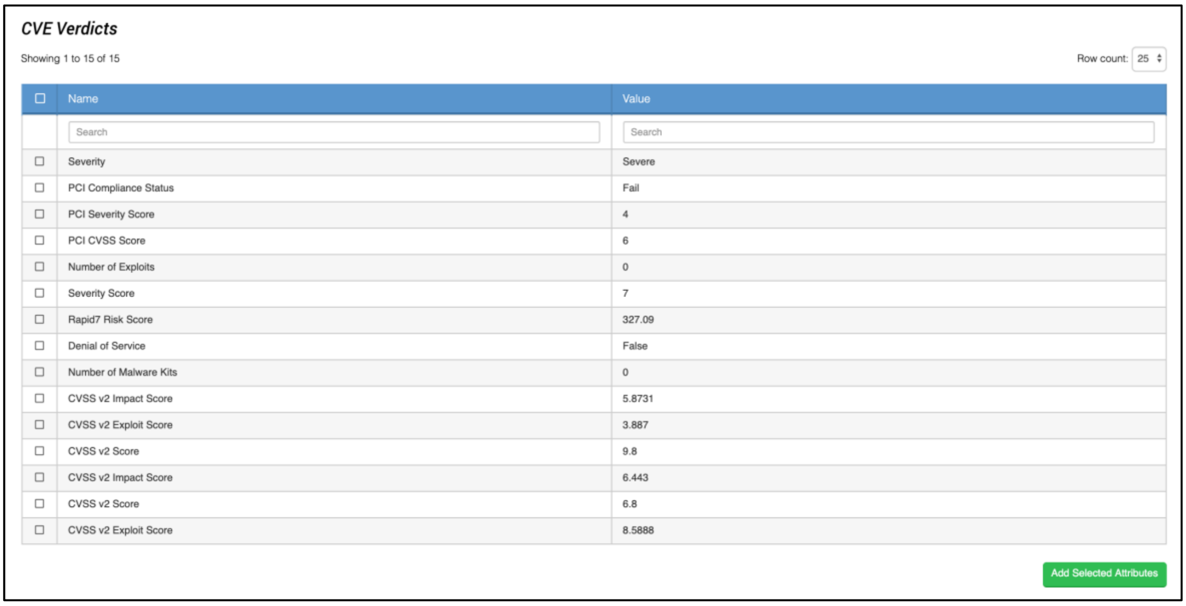
Figure 8: Operation Query General Results Example



General Info

□	Name	Value
	Search	Search
□	CVE Description	In Apache httpd 2.2.0 to 2.4.29, when generating an HTTP Digest authentication challenge, the nonce sent to prevent reply attacks was not correctly generated using a pseudo-random seed. In a cluster of servers using a common Digest authentication configuration, HTTP requests could be replayed across servers by an attacker without detection.
□	CVE Title	Alpine Linux: CVE-2018-1312: apache2 Multiple vulnerabilities
□	Rapid7 CVE ID	alpine-linux-cve-2018-1312
□	Category	Alpine Linux
□	Category	Apache
□	Category	Web
□	Date Added	2018-04-02
□	Date Published	2018-03-26

Figure 9: Operation Query Verdict Results Example



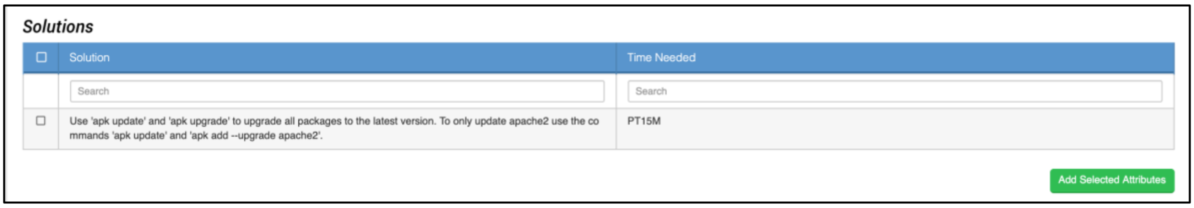
CVE Verdicts

Showing 1 to 15 of 15

Row count: 25

□	Name	Value
	Search	Search
□	Severity	Severe
□	PCI Compliance Status	Fail
□	PCI Severity Score	4
□	PCI CVSS Score	6
□	Number of Exploits	0
□	Severity Score	7
□	Rapid7 Risk Score	327.09
□	Denial of Service	False
□	Number of Malware Kits	0
□	CVSS v2 Impact Score	5.8731
□	CVSS v2 Exploit Score	3.887
□	CVSS v2 Score	9.8
□	CVSS v2 Impact Score	6.443
□	CVSS v2 Score	6.8
□	CVSS v2 Exploit Score	8.5888

Figure 10: Operation Query Solutions Results Example



Solutions

□	Solution	Time Needed
	Search	Search
□	Use 'apk update' and 'apk upgrade' to upgrade all packages to the latest version. To only update apache2 use the commands 'apk update' and 'apk add --upgrade apache2'.	PT15M

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