ThreatQuotient

CISA Advisories CDF Guide

Version 1.0.0

May 30, 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

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.

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	1.0.0
Compatible with ThreatQ Versions	>= 4.52.0
Support Tier	ThreatQ Supported

Introduction

The CISA Advisories CDF consumes data provided by the CISA to notify organizations about threats that exist on the Internet.

The CISA Advisories CDF provides the following feeds:

- **CISA Advisories** - creates a ThreatQ Alert Event and any related objects

The integration ingests the following system objects:

- Events
  - Event Attributes
- Indicators
  - Indicator Attributes
- Incidents
- TTPs
  - TTP Attributes

The CISA Advisories and CISA Alerts CDFs replace the deprecated US-CERT Alerts CDF.

Installation

Perform the following steps to install the integration:

> The same steps can be used to upgrade the integration to a new version.

1. Log into https://marketplace.threatq.com/.
2. Locate and download the integration file.
3. Navigate to the integrations management page on your ThreatQ instance.
4. Click on the **Add New Integration** button.
5. Upload the integration file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the integration file on your local machine

   > ThreatQ will inform you if the feed already exists on the platform and will require user confirmation before proceeding. ThreatQ will also inform you if the new version of the feed contains changes to the user configuration. The new user configurations will overwrite the existing ones for the feed and will require user confirmation before proceeding.
6. If prompted, select the individual feeds to install and click **Install**. The feed will be added to the integrations page.

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

Configuration

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

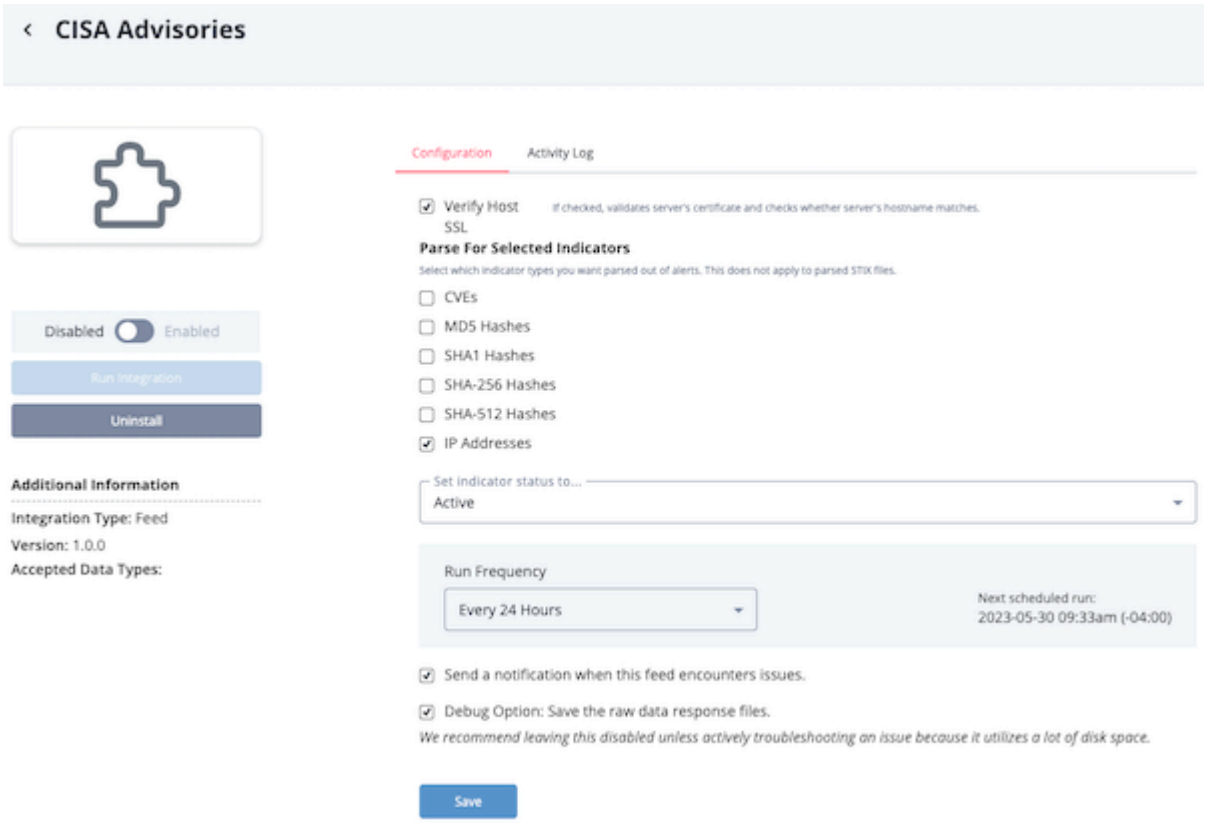
To configure the integration:

1. Navigate to your integrations management page in ThreatQ.
2. Select the **OSINT** option from the *Category* dropdown (optional).

   > If you are installing the integration for the first time, it will be located under the **Disabled** tab.

3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

PARAMETER	DESCRIPTION
Verify Host SSL	When checked, validates the host-provided SSL certificate. This option is checked by default.
Parse for Selected Indicators	Select which indicator types you want parsed out of alerts. This does not apply to parsed STIX files. • CVEs • MD5 Hashes • SHA-1 Hashes • SHA-256 Hashes • SHA-512 Hashes • IP Addresses



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.

ThreatQ Mapping

CISA Advisories

The CISA Advisories, Get Report HTML (Supplemental), and Get Attachment (Supplemental) feeds bring in information about current security issues, vulnerabilities and exploits into ThreatQ.

The CISA Advisories CDF creates a ThreatQ Alert Event and any related Indicators, TTPs and Incidents.

```
GET https://www.cisa.gov/cybersecurity-advisories/cybersecurity-advisories.xml
```

Sample Response:

```
<?xml version="1.0" encoding="utf-8"?>
<rss xmlns:dc="http://purl.org/dc/elements/1.1/" version="2.0" xml:base="https://www.cisa.gov/">
  <channel>
    <title>CISA Cybersecurity Advisories</title>
    <link>https://www.cisa.gov/</link>
    <description/>
    <language>en</language>

    <item>
  <title>#StopRansomware: BianLian Ransomware Group</title>
  <link>https://www.cisa.gov/news-events/cybersecurity-advisories/aa23-136a</link>
  <description>&lt;h3&gt;Summary&lt;/h3&gt;
&lt;p&gt;&lt;em&gt;Note: This joint Cybersecurity Advisory (CSA) is part of an ongoing #StopRansomware effort to
publish advisories for network defenders that detail various ransomware variants and ransomware threat actors. These
#StopRansomware advisories include recently and historically observed tactics, techniques, and procedures (TTPs) and
indicators of compromise (IOCs) to help organizations protect against ransomware. Visit &lt;/em&gt;&lt;a
href="https://www.cisa.gov/stopransomware"&gt;&lt;em&gt;stopransomware.gov&lt;/em&gt;&lt;/a&gt;&lt;em&gt; to see all
#StopRansomware advisories and learn more about other ransomware threats and no-cost resources.&lt;/em&gt;&lt;/p&gt;
&lt;p&gt;The Federal Bureau of Investigation (FBI), Cybersecurity and Infrastructure Security Agency (CISA), and
Australian Cyber Security Centre (ACSC) are releasing this joint Cybersecurity Advisory to disseminate known BianLian
ransomware and data extortion group IOCs and TTPs identified through FBI and ACSC investigations as of March
2023.&lt;/p&gt;
&lt;table&gt;&lt;tbody&gt;&lt;tr&gt;&lt;td&gt;
&lt;div&gt;
&lt;p&gt;&lt;strong&gt;Actions to take today to mitigate cyber threats from BianLian ransomware and data extortion:
&lt;/strong&gt;&lt;br /&gt;
                        â€¢ Strictly limit the use of RDP and other remote desktop services.&lt;br /&gt;
                        â€¢ Disable command-line and scripting activities and permissions.&lt;br /&gt;
                        â€¢ Restrict usage of PowerShell and update Windows PowerShell or PowerShell Core to the
latest version.&lt;/p&gt;
&lt;/div&gt;
&lt;/td&gt;
&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;&lt;p&gt;BianLian is a ransomware developer, deployer, and data extortion
cybercriminal group that has targeted organizations in multiple U.S. critical infrastructure sectors since June 2022.
They have also targeted Australian critical infrastructure sectors in addition to professional services and property
development. The group gains access to victim systems through valid Remote Desktop Protocol (RDP) credentials, uses
```

open-source tools and command-line scripting for discovery and credential harvesting, and exfiltrates victim data via File Transfer Protocol (FTP), Rclone, or Mega. BianLian group actors then extort money by threatening to release data if payment is not made. BianLian group originally employed a double-extortion model in which they encrypted victimsâ€™ systems after exfiltrating the data; however, around January 2023, they shifted to primarily exfiltration-based extortion.</p>
<p>FBI, CISA, and ACSC encourage critical infrastructure organizations and small- and medium-sized organizations to implement the recommendations in the Mitigations section of this advisory to reduce the likelihood and impact of BianLian and other ransomware incidents.</p>
<p>Download the PDF version of this report (710kb):</p>
</description>
  <pubDate>Mon, 15 May 2023 12:29:37 EDT</pubDate>
    <dc:creator>CISA</dc:creator>
    <guid isPermaLink="false">/node/18174</guid>
    </item>
  </channel>
</rss>

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.rss.channel.item[].title	Event.title	N/A	.rss.channel.item[].pubDate	CISA and Partners Release BianLian Ransomware Cybersecurity Advisory	N/A
N/A	Event.type	Alert	N/A	Alert	N/A
.rss.channel.item[].description	Event.description	N/A	N/A	CISA, the Federal Bureau of Investigation (FBI), and the	Depending on the description length, the value can be replaced by the actual article's HTML. That HTML is get by Get Report HTML (Supplemental) feed
.rss.channel.item[].pubDate	Event.happened_at	N/A	N/A	Tue, 16 May 23 12:00:00 +0000	N/A
N/A	Event.attribute/ indicator.attribute	CISA Advisories	.rss.channel.item[].pubDate	True	N/A
N/A	Event.attribute	Alert type	.rss.channel.item[].pubDate	CISA Advisories	N/A
.rss.channel.item[].link	Event.attribute	URL	.rss.channel.item[].pubDate	https://www.cisa.gov/news-events/alerts/2023/05/16/cisa-and-partners-release-bianlian-ransomware-cybersecurity-advisory	N/A
.rss.channel.item[].description	Event.attribute	PDF Link	.rss.channel.item[].pubDate	N/A	The link is extracted from the article's description
.rss.channel.item[].description	Event.attribute	Stix Link	.rss.channel.item[].pubDate	N/A	The link is extracted from the article's description
.rss.channel.item[].description	Indicator.value	IP Address, CVE, MD5, SHA-1, SHA-256, or SHA-512	.rss.channel.item[].pubDate	N/A	Indicators are parsed out of the description
STIX File	(Indicator,TTP,Incident).value	Indicator, TTP, Incident	.rss.channel.item[].pubDate	N/A	STIX file is get by the Get Attachment (Supplemental) feed and then it's parsed for the indicators, TTPs, and incidents

Average Feed Run

> Object counts and Feed runtime are supplied as generalities only - objects returned by a provider can differ based on credential configurations and Feed runtime may vary based on system resources and load.

CISA Advisories CDF

METRIC	RESULT
Run Time	2 minutes
Events	10
Event Attributes	30
Indicators	907
Indicator Attributes	2,373
TTPs	37
TTP Attributes	37

Change Log

- **Version 1.0.0**
  - Initial release