ThreatQuotient

A Securonix Company

CISA Advisories CDF

Version 1.0.3

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ThreatQuotient
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ThreatQ Supported

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

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.3
Compatible with ThreatQ Versions	>= 5.19.0
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 integration provides the following feed:

- **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
- Vulnerabilities

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. 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:

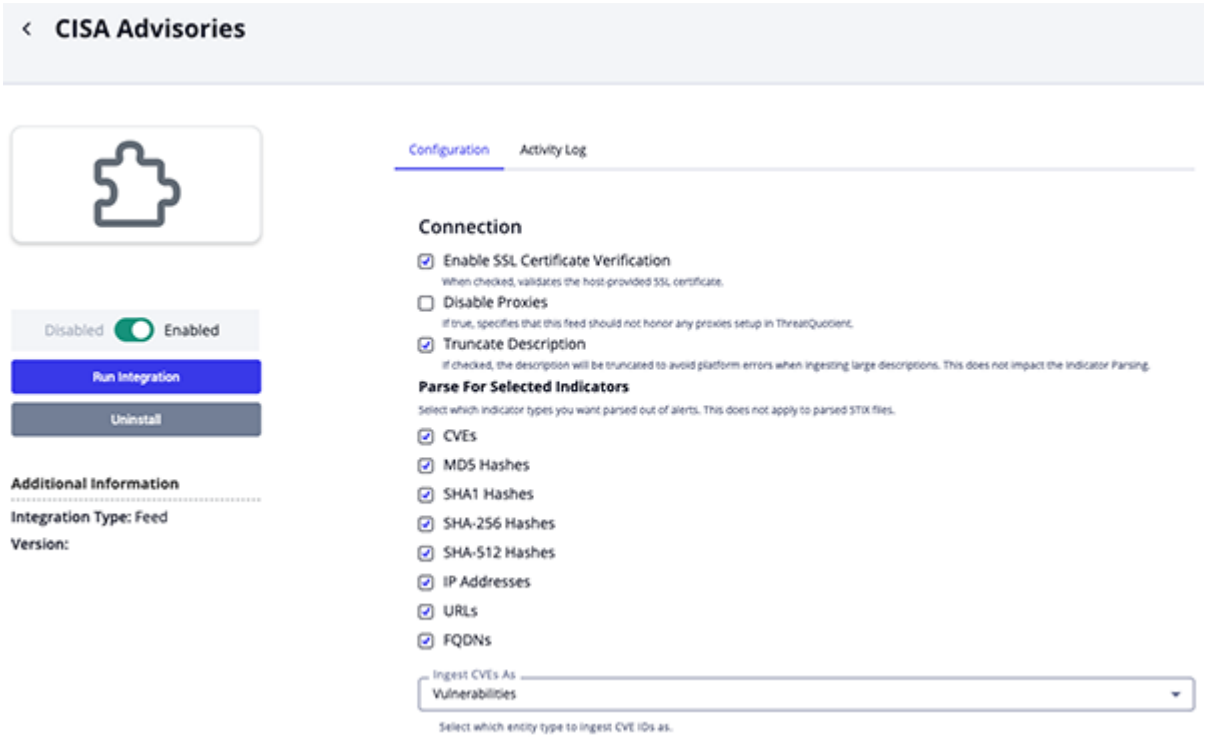
1. Navigate to your integrations management page in ThreatQ.
2. Select the **OSINT** option from the *Category* dropdown (optional).

   > 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
Enable SSL Certificate Verification	Enable or disable verification of the server's SSL certificate.
Disable Proxies	Enable this option if the feed should not honor proxies set in the ThreatQ UI.
Truncate Description	Enable this parameter to truncate the long descriptions that may have a negative impact to the platform - see the Known Issues / Limitations section for more details. Enabling this parameter will not impact the integration's indicator parsing process. Truncated descriptions will also include a **See Full Report** link.
Parse for Selected Indicators	Select which indicator types to parse for with alerts. Options include: • CVEs • MD5 Hashes • SHA-1 Hashes • SHA-256 Hashes • SHA-512 Hashes • IP Addresses • URLs • FQDNs > This does not apply to parsed STIX files.

PARAMETER	DESCRIPTION
Ingest CVEs As	Select the ThreatQ object type to ingest the CVEs as into ThreatQ. Options include: ◦ Indicators (type: CVE) ◦ Vulnerabilities *(default)*



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.&lt;/p&gt;
&lt;p&gt;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.&lt;/p&gt;
&lt;p&gt;Download the PDF version of this report (710kb):&lt;/p&gt;
</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/ Vulnerability.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	<Various Types>	.rss.channel.item[].pubDate	N/A	User-configurable. Indicators are parsed out of the description
.rss.channel.item[].description	Indicator.value/ Vulnerability.value	CVE	.rss.channel.item[].pubDate	N/A	User-configurable. CVEs are parsed out of the description. If 'CVEs' selected in `Parse For Selected Indicators`.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
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.

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

Known Issues / Limitations

- Descriptions exceeding 32,000 characters are ingested but not indexed due to a platform limitation. As a result, Events with large descriptions will not appear on the ThreatLibrary page and can only be located through a direct search. To prevent this issue, enable the **Truncate Description** configuration parameter. When truncation is applied, a **See Full Report** link is added at the end of the description, and indicator parsing remains unaffected.

Change Log

- **Version 1.0.3**
  - Added a new configuration parameter: **Truncate Description**. Enable this parameter to truncate the long descriptions and include a link to the full report.
  - Added a new Known Issues / Limitation entry - descriptions exceeding 32,000 characters are ingested but not indexed due to a platform limitation. As a result, Events with large descriptions will not appear on the Threat Library page and can only be located through a direct search.
- **Version 1.0.2**
  - Resolved an indicator parsing issue that resulted in incomplete ingestion of advisory content.
  - The integration will no longer truncate object descriptions.
  - Added the following new configuration parameters:
    - **Disable Proxies** - determine if the feed should honor proxies set in the ThreatQ UI.
    - **Ingest CVEs As** - select whether to ingest the CVEs as indicators (cve) or vulnerabilities.
  - Added the following new options for the **Parse for Selected Indicators** configuration parameter:
    - IP Addresses
    - URLs
    - FQDNs
  - Updated the minimum ThreatQ version to 5.19.0.
- **Version 1.0.1**
  - Resolved a date parsing issue.
- **Version 1.0.0**
  - Initial release