ThreatQuotient

CISA Bulletins CDF Guide

Version 1.0.0

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ThreatQuotient

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ThreatQ Supported

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Contents

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

Support Email: support@threatq.com
Support Web: https://support.threatq.com
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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 Bulletins CDF consumes data provided by the CISA to notify organizations about threats that exist on the Internet.

The integration provides the following feeds:

- **CISA Bulletins** - creates a ThreatQ Alert Event and ingests related objects.

The integration ingests the following system objects:

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

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 enabled, the integration will validate the host-provided SSL certificate. This parameter is enabled by default.
Parse for Selected Indicators	Select the type of indicators to parse. Options include: ◦ CVEs ◦ MD5 ◦ Hashes ◦ SHA-1 Hashes ◦ SHA-256 Hashes ◦ SHA-512 Hashes ◦ IP Addresses ⚠ This parameter does not apply to parsed STIX files.

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 Bulletins

The CISA Bulletins feed creates a ThreatQ Alert Event and ingests related objects.

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

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

Sample Response (XML):

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

    <item>
  <title>Vulnerability Summary for the Week of May 8, 2023</title>
  <link>https://www.cisa.gov/news-events/bulletins/sb23-135</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;
                        • Strictly limit the use of RDP and other remote desktop services.&lt;br /&gt;
                        • Disable command-line and scripting activities and permissions.&lt;br /&gt;
                        • 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 victims'
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 08:09:48 EDT</pubDate>
      <dc:creator>CISA</dc:creator>
      <guid isPermaLink="false">/node/18173</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	Vulnerability Summary for the Week of May 8, 2023	N/A
N/A	Event.Type	Alert	N/A	Alert	N/A
.rss.channel.item[].description	Event.Description	N/A	N/A	Note: This joint Cybersecurity Advisory (CSA) is part	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	Mon, 15 May 2023 08:09:48 EDT	N/A
N/A	Event.Attribute/ Indicator.Attribute	CISA Bulletins	.rss.channel.item[].pubDate	True	N/A
N/A	Event.Attribute	Alert type	.rss.channel.item[].pubDate	CISA Bulletins	N/A
.rss.channel.item[].link	Event.Attribute	URL	.rss.channel.item[].pubDate	https://www.cisa.gov/news-events/bulletins/sb23-135	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 DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
					feed and then it's parsed for the indicators, TTPs, and incidents

![ThreatQ logo]

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	5 hours
Events	10
Event Attributes	30
Indicators	6,859
Indicator Attributes	6,859
TTPs	37
TTP Attributes	37

Change Log

- **Version 1.0.0**
  - ◦ Initial release