ThreatQuotient

A Securonix Company

RSS Feed Reader CDF

Version 1.1.0

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ThreatQ Supported

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.1.0
Compatible with ThreatQ Versions	>= 5.11.0
Support Tier	ThreatQ Supported

Introduction

The RSS Feed Reader CDF enables analysts to automatically ingest RSS feeds from multiple sources, directly into ThreatQ.

The integration provides the following feed:

- **RSS Feed Reader** - ingests reports as a main object and indicators as related objects.

The integration ingests the following system objects:

- Reports
  - Report Attributes
- Indicators

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.

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:

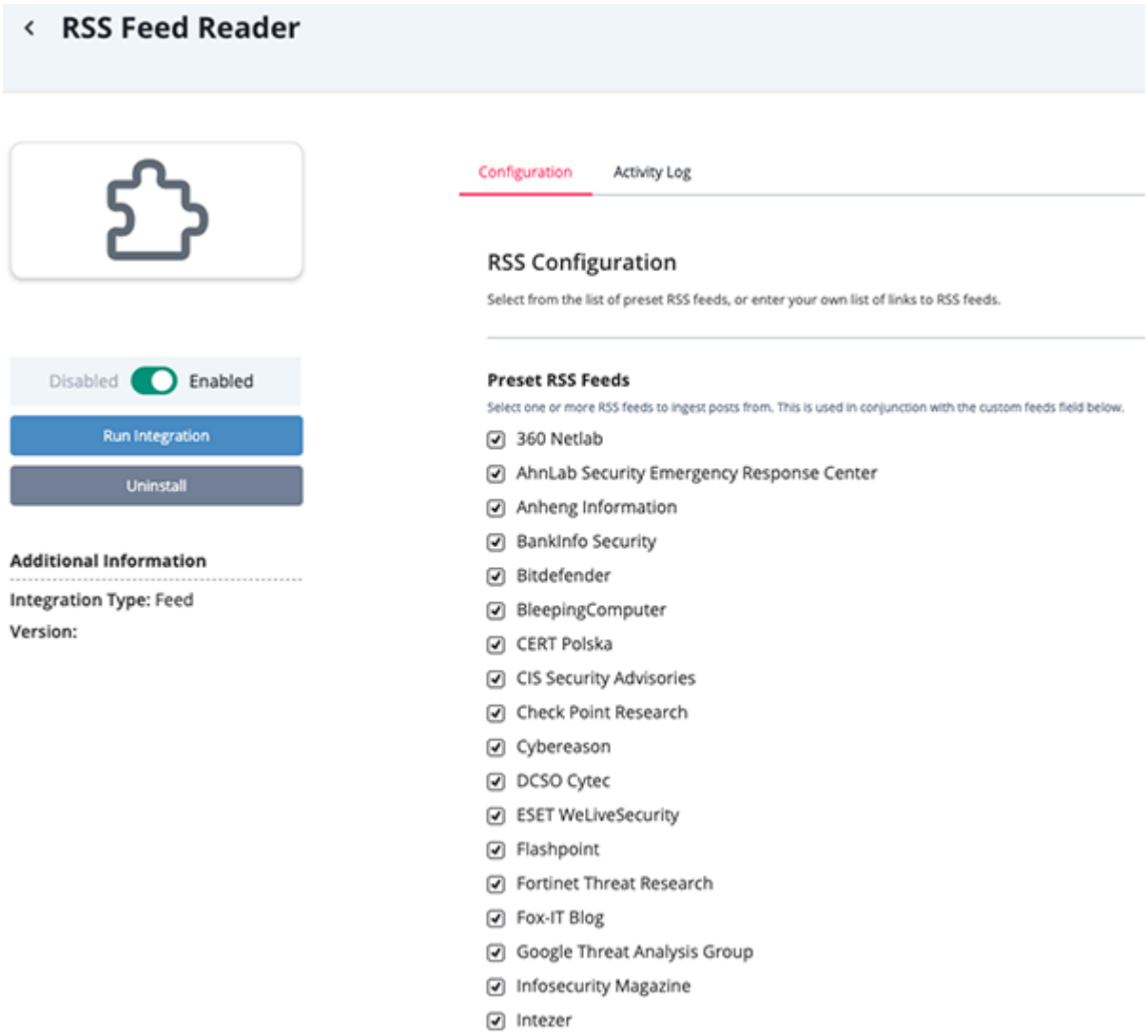
1. Navigate to your integrations management page in ThreatQ.
2. Select the **OSINT** option from the *Category* dropdown (optional).

   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
Preset RSS Feeds	Select one or more RSS feeds to ingest posts from. This parameter can be used in conjunction with the **Custom RSS Feeds** parameter below. Options include: ◦ 360 Netlab ◦ AhnLab Security Emergency Response Center ◦ Anheng Information ◦ BankInfo Security ◦ Bitdefender ◦ BleepingComputer ◦ CERT Polska ◦ CIS Security Advisories ◦ Citizenlab ◦ Check Point Research ◦ Cybereason ◦ Latest Hacking News ◦ Malwarebytes ◦ Malware Traffic Analysis ◦ Mandiant Cyber Threat Research ◦ Microsoft Threat Intelligence ◦ Netskope Threat Research ◦ Palo Alto Blog ◦ Palo Alto Unit 42

PARAMETER	DESCRIPTION
	◦ DCSO Cytec ◦ ESET WeLiveSecurity ◦ Flashpoint ◦ Fortinet Threat Research ◦ Fox-IT Blog ◦ Google Threat Analysis Group ◦ Infosecurity Magazine ◦ Intezer ◦ Jamf Threat Labs ◦ Kaspersky Securelist ◦ Krebs on Security ◦ Positive Technologies ◦ PulseDive ◦ Qualys Security Blog ◦ Rostelekom Solar 4Rays ◦ SANS Internet Storm Center ◦ Security Affairs ◦ Sekoai.io ◦ SentinelOne Labs ◦ Sophos Threat Research ◦ Symantec Threat Intelligence ◦ Trend Micro Research ◦ Trustwave SpiderLabs
Custom RSS Feeds	Enter a line-separated list of RSS feeds (URLs) to ingest posts from. This parameter can be used in conjunction with the **Preset RSS Feeds** parameter above.
Ingest Categories As	Select one or more entities to ingest the Category field as. Options include: ◦ Attributes ◦ Tags
Parsed IOC Types	Select the IOC types to automatically parse from the content. Options include:

PARAMETER	DESCRIPTION
	◦ CVE (default) ◦ IP Address ◦ IPv6 Address ◦ CIDR Block ◦ FQDN ◦ URL ◦ MD5 ◦ SHA-1 ◦ SHA-256 ◦ SHA-512 ◦ Email Address ◦ Registry Key
Parsing Options	Select the parsing options to use when parsing IOCs from the content. Options include: ◦ Normalize IOCs ◦ Derive FQDNs from URLs



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

RSS Feed Reader

The RSS Feed Reader feed periodically pulls entries from one or more RSS feeds. Entries will be parsed and uploaded to ThreatQ as Reports.

Sample Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0" xmlns:content="http://purl.org/rss/1.0/modules/
content/" xmlns:wfw="http://wellformedweb.org/CommentAPI/"
xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:atom="http://
www.w3.org/2005/Atom" xmlns:sy="http://purl.org/rss/1.0/modules/
syndication/" xmlns:slash="http://purl.org/rss/1.0/modules/slash/">
        <channel>
                <title>
                        Graham Cluley
                </title>
                <link href="https://grahamcluley.com/feed/"
rel="self" type="application/rss+xml" />
                <link>
                        https://grahamcluley.com
                </link>
                <description>
                        Computer security news, advice, and opinion
                </description>
                <lastBuildDate>
                        Wed, 15 Feb 2023 13:51:41 +0000
                </lastBuildDate>
                <language>
                        en-GB
                </language>
                <updatePeriod>
                        hourly
                </updatePeriod>
                <updateFrequency>
                        1
                </updateFrequency>
                <generator>
                        https://wordpress.org/?v=6.1.1
```

```
                </generator>
                <image>
                        <url>
                                https://grahamcluley.com/wp-content/
uploads/2022/12/cropped-android-chrome-512x512-2-32x32.png
                        </url>
                        <title>
                                Graham Cluley
                        </title>
                        <link>
                                https://grahamcluley.com
                        </link>
                        <width>
                                32
                        </width>
                        <height>
                                32
                        </height>
                </image>
                <item>
                        <title>
                                Ransomware attackers steal over 3
million patients&#8217; medical records
                        </title>
                        <link>
                                https://www.bitdefender.com/blog/
hotforsecurity/ransomware-attackers-steal-over-3-million-patients-
medical-records/
                        </link>
                        <comments>
                                https://www.bitdefender.com/blog/
hotforsecurity/ransomware-attackers-steal-over-3-million-patients-
medical-records/#respond
                        </comments>
                        <creator>
                                <![CDATA[Graham Cluley]]>
                        </creator>
                        <pubDate>
                                Tue, 14 Feb 2023 10:59:57 +0000
                        </pubDate>
                        <category>
                                <![CDATA[Data loss]]>
```

```
                        </category>
                        <category>
                                <![CDATA[Guest blog]]>
                        </category>
                        <category>
                                <![CDATA[Ransomware]]>
                        </category>
                        <category>
                                <![CDATA[data breach]]>
                        </category>
                        <category>
                                <![CDATA[medical]]>
                        </category>
                        <category>
                                <![CDATA[ransomware]]>
                        </category>
                        <guid isPermaLink="false">
                                https://grahamcluley.com/?p=12336776
                        </guid>
                        <description>
                                <![CDATA[
                                A ransomware attack has again put the
personal information of innocent parties at risk after it was
revealed that a data breach has potentially exposed the medical
records of more than three million people.

                                Read more in my article on the Hot
for Security blog.
                                ]]>
                        </description>
                        <commentRss>
                                https://www.bitdefender.com/blog/
hotforsecurity/ransomware-attackers-steal-over-3-million-patients-
medical-records/feed/
                        </commentRss>
                        <comments>
                                0
                        </comments>
                </item>
        </channel>
</rss>
```

ThreatQuotient provides the following default mapping for this feed:

> RSS Feeds typically follow a standard format, but the content will be different from feed to feed. Each mapping below is based on the available fields for each item in the feed.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.title	Report.Value	N/A	.pubDate	Ransomware attackers steal over 3 million patients’ medical records	N/A
.link	Report.Attribute	Web Link	N/A	N/A	N/A
.category	Report.Attribute, Report.Tag	Category	N/A	N/A	Field may be a list or single value
.contentType	Report.Attribute	Type	N/A	N/A	Non-standard field
.severity	Report.Attribute	Severity	N/A	Critical	Non-standard field
.dc:type	Report.Attribute	Type	N/A	News	Non-standard field
.pubDate	Report.Attribute	Published At	N/A	Tue, 14 Feb 2023 10:59:57 +0000	N/A
.author	Report.Attribute	Author	N/A	N/A	If .author is string.
.author.name	Report.Attribute	Author	N/A	Mandiant	If .author is object.
.dc:creator	Report.Attribute, Report.Source	Author	N/A	Graham Cluley	N/A
.country	Report.Attribute	Country Code, Country	N/A	US	Non-standard field
.feed_url	Report.Attribute	RSS Feed	N/A	https://decoded.avast.io/feed/	N/A
.description, .content:encoded	Report.Description	N/A	N/A	N/A	N/A
.description, .content:encoded, .title	Related Indicator.Value	CVE	N/A	N/A	Parsed from content, when enabled
.original_description	Related Attack Pattern.Value	ATT&CK	N/A	T1566.002	Ingests only when available

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 minutes
Reports	521
Report Attributes	981
Indicators	437

Known Issues / Limitations

- The CDF utilizes `since` and `until` dates to ensure that entries are not re-ingested if they haven't been updated. Use the **Run Integration** button to ingest historical entries from feeds.
- Version 1.0.2 contained a spelling error for **Volexity**, which was spelled incorrectly as **Veloxity**. Version 1.0.3 corrected the spelling error. If you are upgrading from 1.0.2, run the following command to update the name of the source for data that has already been ingested into the platform:

```
mysql -uthreatquotient -p"$(awk -F '=' '/password/ {print
$2}' /var/www/api/app/config/database.ini)" threatquotient2
-e "UPDATE other_sources SET name='Volexity Blog' WHERE
name='Veloxity Blog'"
```

The Indicator and Report pages will display the new updated name, while the older name will be seen in the Threat Library until the next Solr re-indexing.

Change Log

- **Version 1.1.0**
  - The **Ingest Categories As** parameter no longer has **Tags** selected by default.
  - Updated IOC parsing to extract indicators from the full article description, improving indicator coverage during ingestion.
  - Added support for ingesting MITRE ATT&CK attack patterns from ATT&CK references included in reports, when available.
- **Version 1.0.9**
  - Updated the URLs for several feeds.
  - Removed the following deprecated feeds:
    - Avast Threat Labs
    - CERT Australia
    - ENISA News
    - IBM X-Force
    - NCC Group Research
    - Securlist
    - Yoroi Blog
    - Volexity
- **Version 1.0.8**
  - Resolved an error that would occur when the author was the object.
- **Version 1.0.7**
  - Updated several existing RSS feeds that have been relocated.
  - Removed the following deprecated RSS feeds:
    - Zscaler Blog
    - Dark Reading
  - Added the following RSS feeds:
    - 360 Netlab
    - AhnLab Security Emergency Response Center
    - Anheng Information
    - Rostelekom Solar 4Rays
    - Sekoai.io
    - SentinelOne Labs

- DCSO Cytec
- ENISA News
- Google Threat Analysis Group
- Intezer
- Jamf Threat Labs
- Kaspersky Securelist
- Sophos Threat Research
- Symantec Threat Intelligence
- Trend Micro Research
- Trustwave SpiderLabs
- Volexity

- **Version 1.0.6**
  - Updated several existing RSS feeds that have been relocated.
  - Removed following deprecated RSS feeds:
    - BAE Systems Threat Research Blog
    - CERT Austria
    - CERT Romania
    - Cisco Security Blog
    - Check Point Threat Center
    - Contagio
    - Count Upon Security
    - Crowdstrike Blog
    - CSO Online
    - Google Online Security
    - GovCERT Switzerland
    - InfoSec Malware Analysis
    - Juniper Threat Research
    - Kryptos Logic Blog
    - Malware Analysis: The Final Frontier
    - McAfee Securing Tomorrow
    - Quick Heal
    - Recorded Future
    - Schneier on Security
    - Scrutiny from an Inquisitive Mind
    - Secureworks Threat Analysis
    - Threatpost
    - TrendMicro
    - Volexity Blog
    - We Live Security
- **Version 1.0.5**
  - Upgraded the integration for compatibility with ThreatQ version 5.22.0 and later.
  - Updated the minimum ThreatQ version to 5.11.0.
- **Version 1.0.4**
  - Added several new RSS feeds that were available via the custom connector version of the integration, to the **Preset RSS Feeds** configuration option. See the Configuration chapter for a complete list of available feeds.

- **Version 1.0.3**
  - Corrected a spelling error for the Volexity source. See the Known Issues / Limitations chapter for further details.
- **Version 1.0.2**
  - Resolved an issue where some RSS feeds contained encoded content with additional tags, which caused run errors.
- **Version 1.0.1**
  - Resolved an issue regarding parsing dates for several custom RSS feeds.
  - Resolved an issue regarding RSS feeds consisting of a single post.
- **Version 1.0.0**
  - Initial release