ThreatQuotient

Feedly CDF Guide

Version 1.1.0

June 14, 2022

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ThreatQ Supported

Support

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Contents

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Support Email: support@threatq.com
Support Web: https://support.threatq.com
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Versioning

- Current integration version: `1.1.0`
- Compatible with ThreatQ versions >= `4.35.0`

Introduction

The Feedly integration for ThreatQ allows a user to ingest feeds as reports and related objects from Team feeds on Feedly.

> You cannot pull from a Feedly Personal feed.

The CDF includes the following feed:

- **Feedly Ingest** - ingests reports and other related objects from Feedly.

The integration ingests the following system object types:

- Attack Patterns
- Adversaries
- Identities
- Indicators
    - Indicator Attributes
- Malware
- Reports
    - Report 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. 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 integration.

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:

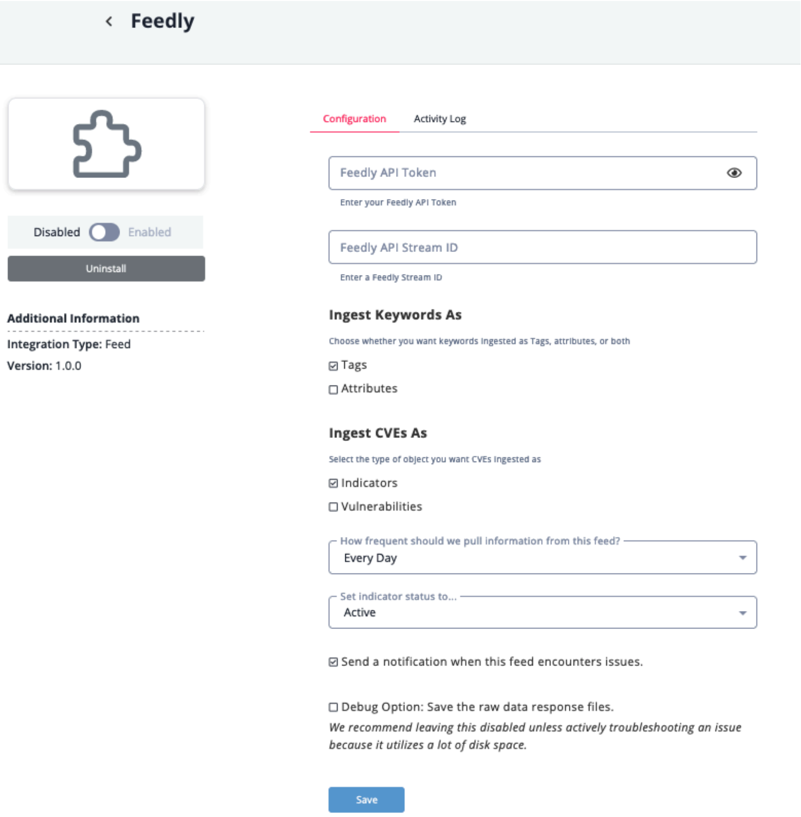
1. Navigate to your integrations management page in ThreatQ.
2. Select the **Commercial** option from the *Category* dropdown (optional).

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

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

PARAMETER	DESCRIPTION
Feedly API Token	Your Feedly API Token.
Feedly API Stream ID	Your Feedly Stream ID.
Ingest CVEs As:	Select the type of objects CVEs should be ingested as. Options include: ◦ Indicators (default) ◦ Vulnerabilities - Review the Known Issues / Limitations chapter if using this option. You have the option of selecting both types.
Ingest Keywords As:	Select the type of object Keywords should be ingested as. Options include: ◦ Tags (default) ◦ Attributes

PARAMETER	DESCRIPTION
	You have the option of selecting both types.



‹ **Feedly**

Disabled / Enabled

Uninstall

Additional Information

Integration Type: Feed

Version: 1.0.0

Configuration | Activity Log

Feedly API Token

Enter your Feedly API Token

Feedly API Stream ID

Enter a Feedly Stream ID

Ingest Keywords As

Choose whether you want keywords ingested as Tags, attributes, or both

☑ Tags

□ Attributes

Ingest CVEs As

Select the type of object you want CVEs ingested as

☑ Indicators

□ Vulnerabilities

How frequent should we pull information from this feed?
Every Day

Set indicator status to...
Active

☑ Send a notification when this feed encounters issues.

□ Debug Option: Save the raw data response files.
We recommend leaving this disabled unless actively troubleshooting an issue because it utilizes a lot of disk space.

Save

5. Review the **Settings** configuration, 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

ThreatQuotient provides the following mapping for the Feedly CDF.

Feedly Ingest (Feed)

The Feedly Ingest feed ingests CVE's as indicators or vulnerabilities.

`GET https://cloud.feedly.com/v3/streams/contents`

Sample Response

```
{
  "continuation": "17eb965fd82:8f60c7:26e2bd2e",
  "id": "enterprise/threatquotient/category/4b1e06a8-b4de-4e74-9593-ac879d1d3d23",
  "items": [
    {
        "alternate": [
            {
                "href": "https://packetstormsecurity.com/files/165814/wpcfct102-xssaccess.txt",
                "type": "text/html"
            }
        ],
        "canonicalUrl": "https://packetstormsecurity.com/files/165814/wpcfct102-xssaccess.txt",
        "categories": [
            {
                "id": "enterprise/threatquotient/category/4b1e06a8-b4de-4e74-9593-ac879d1d3d23",
                "label": "Threat Intel"
            }
        ],
        "commonTopics": [
            {
                "id": "nlp/f/topic/2440",
                "label": "Vulnerabilities",
                "salienceLevel": "about",
                "score": 1.0,
                "type": "topic"
            },
            {
                "id": "nlp/f/topic/3003",
                "label": "Cyber Security",
                "salienceLevel": "about",
                "score": 1.0,
                "type": "topic"
            }
        ],
        "crawled": 1643826412301,
        "entities": [
            {
                "id": "vulnerability/m/entity/CVE-2021-24247",
                "label": "CVE-2021-24247",
                "mentions": [
                    {
                        "text": "CVE-2021-24247"
                    }
                ],
                "vulnerabilityInfo": {
                    "cvssScore": 5.4,
                    "description": "The Contact Form Check Tester WordPress plugin through 1.0.2 settings are visible
to all registered users in the dashboard and are lacking any sanitisation. As a result, any registered user, such as
subscriber, can leave an XSS payload in the plugin settings, which will be triggered by any user visiting them, and
could allow for privilege escalation. The vendor decided to close the plugin.",
                    "hasExploit": true,
                    "hasPatch": false
                }
            },
          {
              "type": "mitreAttack",
              "disambiguated": true,
              "id": "nlp/f/entity/gz:mi:x-mitre-tactic-ffd5bcee-6e16-4dd2-8eca-7b3beedf33ca",
              "label": "Initial Access (Enterprise TA0001)",
              "mentions": [],
              "salienceLevel": "mention",
              "causes": [
                  {
                      "id": "nlp/f/entity/gz:mi:attack-pattern-a62a8db3-f23a-4d8f-afd6-9dbc77e7813b",
                      "label": "Phishing (Enterprise T1566)"
                  }
              ]
          }
        ],
        "estimatedCVSS": {
            "category": "HIGH"
        },
        "fingerprint": "b5dfd074",
        "fullContent": "<!DOCTYPE html PUBLIC \"-//W3C//DTD HTML 4.0 Transitional//EN\" \"http://www.w3.org/TR/REC-
html40/loose.dtd\">\n<html><body><div><div><div id=\"m\">\n    \n\n    \n    \n    \n    \n    <p></p><h1>WordPress
Contact Form Check Tester 1.0.2 XSS / Access Control</h1>\n<dl id=\"F165814\"><dt><a href=\"https://
packetstormsecurity.com/files/download/165814/wpcfct102-xssaccess.txt\" title=\"Size: 0.7 KB\"><strong>WordPress
Contact Form Check Tester 1.0.2 XSS / Access Control</strong></a></dt>\n<dd>Posted <a href=\"https://
packetstormsecurity.com/files/date/2022-02-02/\" title=\"16:49:09 UTC\">Feb  2, 2022</a></dd>\n<dd>Authored by <a
href=\"https://packetstormsecurity.com/files/author/13412/\">0xB9</a></dd>\n<dd><p>WordPress Contact Form Check
Tester plugin version 1.0.2 suffers from broken access control and cross site scripting vulnerabilities.</p></
dd>\n<dd><span>tags</span> | <a href=\"https://packetstormsecurity.com/files/tags/exploit\">exploit</a>, <a
href=\"https://packetstormsecurity.com/files/tags/vulnerability\">vulnerability</a>, <a href=\"https://
packetstormsecurity.com/files/tags/xss\">xss</a></dd>\n<dd><span>advisories</span> | <a href=\"https://
packetstormsecurity.com/files/cve/CVE-2021-24247\">CVE-2021-24247</a></dd>\n<dd><span>MD5</span> |
<code>6571a974217db95c175bd945e2b0d575</code></dd>\n<dd><a href=\"https://packetstormsecurity.com/files/download/
165814/wpcfct102-xssaccess.txt\" title=\"Size: 0.7 KB\" rel=\"nofollow\">Download</a>  | <a href=\"https://
packetstormsecurity.com/files/favorite/165814/\" rel=\"nofollow\">Favorite</a> | <a href=\"https://
packetstormsecurity.com/files/165814/WordPress-Contact-Form-Check-Tester-1.0.2-XSS-Access-Control.html\">View</a></
dd>\n</dl><p></p><h1>WordPress Contact Form Check Tester 1.0.2 XSS / Access Control</h1>\n<div>\n\n<pre><code>#
Exploit Title: WordPress Plugin Contact Form Check Tester 1.0.2 - Broken Access Control<br># Date: 2/28/2021<br>#
Author: 0xB9<br># Software Link: https://wordpress.org/plugins/contact-fo...ck-tester/<br># Version: 1.0.2<br>#
Tested on: Windows 10<br># CVE: CVE-2021-24247<br><br>1. Description:<br>The plugin settings are visible to all
registered users in the dashboard.<br>A registered user can leave a payload in the plugin settings.<br><br>2. Proof
of Concept:<br>- Register an account<br>- Navigate to the dashboard<br>- Go to CF7 Check Tester -&gt; Settings<br>-
Add a form<br>- Add a field to the form<br>- Put in a payload in either Field selector or Field value
\"&gt;&lt;script&gt;alert(1)&lt;/script&gt;<br>- Save<br>Anyone who visits the settings page will execute the
payload.<br><br></code></pre>\n</div>\n \n    \n    \n     </div>\n     \n      </div></div></body></html>",
        "id": "4/bnDLbGIuwgfYUHoNIoHFzwzucR/Wg3zKOf7t/Xc0Q=_17ebbb07b0d:f47321:aa31659c",
        "language": "en",
        "leoSummary": {
            "sentences": [
               {
                          "text": "Palo Alto Networks customers are protected against the types of BEC threats
discussed in this blog by products including Cortex XDR and the WildFire, Threat Prevention, AutoFocus and Advanced
URL Filtering subscription services for the Next-Generation Firewall .",
                          "position": 16,
                          "score": 0.316
               }
            ]
        },
        "origin": {
            "htmlUrl": "https://packetstormsecurity.com/",
            "streamId": "feed/http://packetstormsecurity.org/exploits.xml",
            "title": "Exploit Files \u2248 Packet Storm"
        },
        "originId": "https://packetstormsecurity.com/files/165814/wpcfct102-xssaccess.txt",
        "published": 1643820549000,
        "sources": [
            {
                "feedlyFeedType": "WebAlert",
                "searchTerms": {
                    "isComplexFilter": false,
                    "parts": [
                        {
                            "id": "nlp/f/publicationBucket/byf:cybersecurity-bundle",
                            "label": "Cybersecurity"
                        },
                        {
                            "text": "HIGH"
                        },
                        {
                            "id": "nlp/f/entity/wd:13166",
                            "label": "WordPress"
                        }
                    ]
                },
                "streamId": "feed/https://feedly.com/f/alert/704a6215-d181-427e-b1a4-d50032e51968",
                "title": "Wordpress Vulns"
            }
        ],
        "memes": "Website",
        "summary": {
            "content": "WordPress Contact Form Check Tester plugin version 1.0.2 suffers from broken access control
and cross site scripting vulnerabilities.",
            "direction": "ltr"
        },
        "title": "WordPress Contact Form Check Tester 1.0.2 XSS / Access Control",
        "keywords": [
                    "My Software",
                    "Update"
                ],
        "unread": true,
        "visual": {
            "url": "none"
        },
        "indicatorsOfCompromise": {
      "exports": [
          {
              "type": "markdown",
              "url": "https://exports.feedly.com/ioc/8a22cd92ac501da224308d248fd2e226/20220525.222341.all-ioc.md"
          }
      ],
      "mentions": [
          {
              "text": "mail.saadzakhary[.]com:587",
              "type": "domain",
              "canonical": "mail[.]saadzakhary.com:587"
          },
          {
              "text": "hxxp://192.227.196[.]211/tea_shipping/f_document_shp.doc",
              "type": "url",
              "canonical": "http://192[.]227.196.211/tea_shipping/f_document_shp.doc"
          },
          {
              "text": "f1794bfabeae40abc925a14f4e9158b92616269ed9bcf9aff95d1c19fa79352e",
              "type": "hash",
              "canonical": "f1794bfabeae40abc925a14f4e9158b92616269ed9bcf9aff95d1c19fa79352e"
          }
      ]
  }
    }
  ],
  "updated": 1643836615133
}
```

ThreatQ provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
items[].title	Report.Value	N/A	items[].published	WordPress Contact Form Check Tester 1.0.2 XSS / Access Control	N/A
items[].fullContent	Report.Description	N/A	items[].published	<!DOCTYPE html PUBLIC....	if `fullContent` does not exist, `content.content` is used, if that doesn't exist, `summary.content` is used.
items[].keywords	Report.Attribute/Tag	Tag	items[].published	My Software	User chooses whether keywords is ingested as a tag or an attribute
items[].entities[].causes[]	Report.Attribute	Affected Software	items[].published	Windows 11	N/A
items[].origin.title	Report.Attribute	Origin	items[].published	Exploit Files \u2248 Packet Storm	N/A
items[].canonicalUrl	Report.Attribute	Source URL	items[].published	https://packetstormsecurity.com/files/165814/wpcfct102-xssaccess.txt	N/A
items[].summary.content	Report.Attribute	Feedly Summary	items[].published	WordPress Contact Form Check Tester plugin version 1.0.2 suffers from broken access control and cross site scripting vulnerabilities.	Chosen first over items[].leoSummary
items[].leoSummary[].sentences[].text	Report.Attribute	Feedly Leo Summary	items[].published	"Palo Alto Networks customers are protected against the..."	Only used if items[].summary doesn't exist
items[].categories[].label	Report.Attribute	Feedly Category	items[].published	Threat Intel	This attribute is the label of the feed it is associated with
items[].estimatedCVSS.category	Report.Attribute	Estimated CVSS Severity	items[].published	High	Estimated CVSS severity that Feedly has provided
items[].commonTopics[].label	Report.Attribute	Topic	items[].published	Cyber Security	Topics that Feedly categorized the item under
items[].memes	Report.Attribute	Common Subject	items[].published	Website	Topics that Feedly categorized the item under
items[].entities[].label	Related.Indicator	CVE	items[].published	CVE-2022-0190	User chooses whether CVE's are ingested as Indicators, Vulnerabilites or both

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
items[].entities[].vulnerabilityInfo.cvssScore	Indicator.Attribute	CVSS Score	items[].published	5.4	N/A
items[].entities[].label	Related.Vulnerability	N/A	items[].published	CVE-2022-0190	User chooses whether CVE's are ingested as Indicators, Vulnerabilites or both
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	FQDN	items[].published	bzone.no-ip.biz	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	URL	items[].published	https://sk5621.com.co	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	Email Address	items[].published	N/A	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	IP Address	items[].published	45.77.71.50:8082	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	MD5	items[].published	40b428899db353bb0ea244d95b5b82d9	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	SHA-1	items[].published	N/A	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	SHA-256	items[].published	6fcd36052b242bc33e90577e9a9cf5dc91bc7c5f3ad587b0d45ab4a7cb7b73b3	N/A
items[].indicatorsOfCompromise.mentions[].canonical	Related.Indicator	SHA-512	items[].published	40b428899db353bb0ea244d95b5b82d9	N/A
items[].entities[].label	Related.Attack Pattern	N/A	items[].published	T1187 - Forced Authentication	N/A
items[].entities[].causes[]	Related.Identity	N/A	items[].published	Microsoft	N/A
items[].entities[].causes[]	Related.Malware	N/A	items[].published	TrickBot	Includes attribute of affected OS
items[].entities[].causes[]	Related.Adversary	N/A	items[].published	MuddyWater	N/A

Average Feed Run

The following results were obtained with both **Indicators** and **Vulnerabilities** selected as the type of CVE to ingest and both **Tags** and **Attributes** selected as the type for keywords to ingest. There may be more or less objects depending on feed.

METRIC	RESULT
Run Time	< 1 minute
Adversary	1
Attack Pattern	27
Identity	5
Indicators	85
Indicator Attributes	20
Malware	3
Report	13
Report Attributes	69
Vulnerability	6

> 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.

Known Issues / Limitations

- You cannot pull from a Personal Feed. You can only pull from streams/feeds that are listed under your Team Feeds.
- When CVE's are ingested as Vulnerabilities, `published_at` and attributes are not applied due to a shallow copy bug.

Change Log

- **Version 1.1.0**
  - Added Published date to attributes ingested by the feed.
  - Added missing relationships.
  - Updated the default Indicator Status to **Review**.
- **Version 1.0.0**
  - Initial release