ThreatQuotient

A Securonix Company

Intel 471 GIRs CDF

Version 2.0.0

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	2.0.0
Compatible with ThreatQ Versions	>= 5.12.1
Support Tier	ThreatQ Supported

Introduction

The Intel 471 GIRs integration provides a feed of Intel 471's Generalized Intelligence Requirements (GIRs) into ThreatQ, using the Intel Requirement custom object type.

The integration provides the following feed:

- **Intel 471 GIRs** - ingests Intel 471's GIRs into the ThreatQ platform as Intel Requirement objects.

The integration ingests the Intel Requirement custom object into the ThreatQ platform.

Prerequisites

The integration requires the following to install and run:

- Intel 471 Client ID.
- Intel 471 Client Secret.
- The Intel Requirement custom object installed on your ThreatQ instance.

Intel Requirement Custom Object

The integration requires the Intel Requirement custom object.

Use the steps provided to install the custom object.

> When installing the custom objects, be aware that any in-progress feed runs will be cancelled, and the API will be in maintenance mode.

ThreatQ V6 Steps

Use the following steps to install the custom object in ThreatQ v6:

1. Download the integration bundle from the ThreatQ Marketplace.
2. Unzip the bundle and locate the custom object files.

   > The custom object files will typically consist of a JSON definition file, install.sh script, and a images folder containing the svg icons.

3. SSH into your ThreatQ instance.
4. Set your install pathway environment variable. This command will retrieve the install pathway from your configuration file and set it as variable for use during this installation process.

   ```
   INSTALL_CONF="/etc/threatq/platform/install.conf"

   if [ -f "$INSTALL_CONF" ]; then source "$INSTALL_CONF"

   fi

   MISC_DIR="${INSTALL_BASE_PATH:-/var/lib/threatq}/misc"
   ```

5. Navigate to the tmp folder using the environment variable:

```
cd $MISC_DIR
```

6. Upload the custom object files, including the images folder.

   The directory structure should resemble the following:

   - install.sh
   - <custom_object_name>.json
   - images (directory)
     - <custom_object_name>.svg

7. Run the following command:

```
kubectl exec -it deployment/api-schedule-run -n threatq --
sh /var/lib/threatq/misc/install.sh /var/lib/threatq/misc
```

   The installation script will automatically put the application into maintenance mode, move the files to their required directories, install the custom object, update permissions, bring the application out of maintenance mode, and restart dynamo.

8. Delete the install.sh, definition json file, and images directory from step 6 after the object has been installed as these files are no longer needed.

ThreatQ v5 Steps

1. Download the integration zip file from the ThreatQ Marketplace and unzip its contents.
2. SSH into your ThreatQ instance.
3. Navigate to tmp directory:

```
cd /tmp/
```

4. Create a new directory:

```
mkdir intel471_cdf
```

5. Upload the **intel_requirement.json** and **install.sh** script into this new directory.

6. Create a new directory called **images** within the intel471_cdf directory.

```
mkdir images
```

7. Upload the intel_requirement.svg.
8. Navigate to the **/tmp/intel471_cdf**.

   The directory should resemble the following:

   - tmp
     - **intel471_cdf**
       - **intel_requirement.json**
       - **install.sh**
       - **images**
         - **intel_requirement.svg**

9. Run the following command to ensure that you have the proper permissions to install the custom object:

```
chmod +x install.sh
```

10. Run the following command:

```
sudo ./install.sh
```

> You must be in the directory level that houses the install.sh and json files when running this command.

The installation script will automatically put the application into maintenance mode, move the files to their required directories, install the custom object, update permissions, bring the application out of maintenance mode, and restart dynamo.

11. Remove the temporary directory, after the custom object has been installed, as the files are no longer needed:

```
rm -rf intel471_cdf
```

Installation

> ⚠ The CDF requires the installation of Intel Requirement custom object before installing the actual CDF. See the Prerequisites chapter for more details. The custom object must be installed prior to installing the CDF. Attempting to install the CDF without the custom object will cause the CDF install process to fail.

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 zip file.
3. Extract and install the Intel Requirement custom object if you have not done so already.
4. Navigate to the integrations management page on your ThreatQ instance.
5. Click on the **Add New Integration** button.
6. Upload the integration yaml file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the file on your local machine
7. Select the individual feeds to install, when prompted and click **Install**.

   > 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.

The feed(s) 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 **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 entry to open its details page.
4. Review any feed settings, make any changes if needed, and click on **Save**.
5. Click on the toggle switch, located above the *Additional Information* section, to enable it.

ThreatQ Mapping

Intel 471 GIRs

The Intel 471 GIRs feed ingests Intelligence Requirements (GIRs) from Intel 471 into ThreatQ using the **Intel Requirement** custom object type. Because the Intel 471 API returns GIRs in a hierarchical structure, the feed automatically flattens the hierarchy and ingests each requirement as an individual object within ThreatQ.

```
GET https://api.intel471.cloud/integrations/girs/v1/girs/tree
```

Sample Response (truncated):

```
{
  "count": 566,
  "girs": [
    {
      "id": "1",
      "name": "1 - Malware",
      "description": "Malicious software designed to disrupt, damage,
or gain unauthorized",
      "deprecated": false,
      "children": [
        {
          "id": "1.1",
          "name": "Malware variants",
          "description": "Various types of malicious software used to
disrupt, damage,",
          "deprecated": false,
          "children": []
        }
      ]
    }
  ]
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.id, .name	Intel Requirement	N/A	N/A	1.1 - Malware Variants	Names already prefixed by GIR ID are normalized before creating the value
.description	Description	N/A	N/A	The various types of malicious...	N/A

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	1 minute
Intel Requirements	566

Change Log

- **Version 2.0.0**
  - Updated the feed to utilize the **Intel 471 GIRs API** for retrieving and ingesting Intelligence Requirements (GIRs).
- **Version 1.0.0 rev-a**
  - Guide Update - updated custom object installation steps for ThreatQ v6 instances.
- **Version 1.0.0**
  - Initial release