ThreatQuotient

A Securonix Company

Proofpoint TAP CDF

Version 1.3.1

July 13, 2026

ThreatQuotient
20130 Lakeview Center Plaza Suite 400
Ashburn, VA 20147

ThreatQ Supported

Support
Email: tq-support@securonix.com
Web: https://ts.securonix.com
Phone: 703.574.9893

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Support Web: https://ts.securonix.com
Support Phone: 703.574.9893

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.3.1
Compatible with ThreatQ Versions	>= 5.10.0
Support Tier	ThreatQ Supported

Introduction

The Proofpoint TAP (Targeted Attack Protection) CDF allows you to ingest and relate the emails of users who have clicked on malicious links, as well as these malicious links and their senders from the Proofpoint TAP SIEM endpoint.

The integration provides the following feed:

- **Proofpoint TAP Events** - ingests and relates the emails of users who have clicked on malicious links.
- **Proofpoint TAP Campaigns** - ingests data about campaigns.
- **Proofpoint TAP Emails** - ingests data about emails.

The integration ingests the following system objects:

- Adversary
- Campaigns
- Corporate Emails (custom object)
- Events
- Incidents
- Indicators
    - Indicator Attributes
- Malware
- TTP

Prerequisites

The integration requires the following:

- Proofpoint TAP Principal.
- Proofpoint TAP Secret.
- The Corporate Email custom object installed on your ThreatQ instance.

Corporate Email Custom Object

The integration requires the Corporate Email custom object.

Use the steps provided to install the Corporate Email 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

Use the following steps to install the custom object in ThreatQ v5:

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 proofpoint_tap_cdf
```

5. Upload the **corporate_email.json** and **install.sh** script into this new directory.
6. Create a new directory called **images** within the proofpoint_tap_cdf directory.

   ```
   mkdir images
   ```

7. Upload the corporate_emails.svg.
8. Navigate to the **/tmp/proofpoint_tap_cdf**.

   The directory should resemble the following:

   - tmp
     - **proofpoint_tap_cdf**
       - **corporate_email.json**
       - **install.sh**
       - **images**
         - **corporate_email.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 proofpoint_tap_cdf
    ```

Installation

> The CDF requires the installation of the Corporate Email 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 the contents of the zip and install the required Corporate Email custom object.
4. Navigate to the integrations management page on your ThreatQ instance.
5. Click on the **Add New Integration** button.
6. Upload the yaml 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
7. Select the feeds to install, when prompted, and click **Install**. The feed(s) will be added to the integrations page.

   > 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:

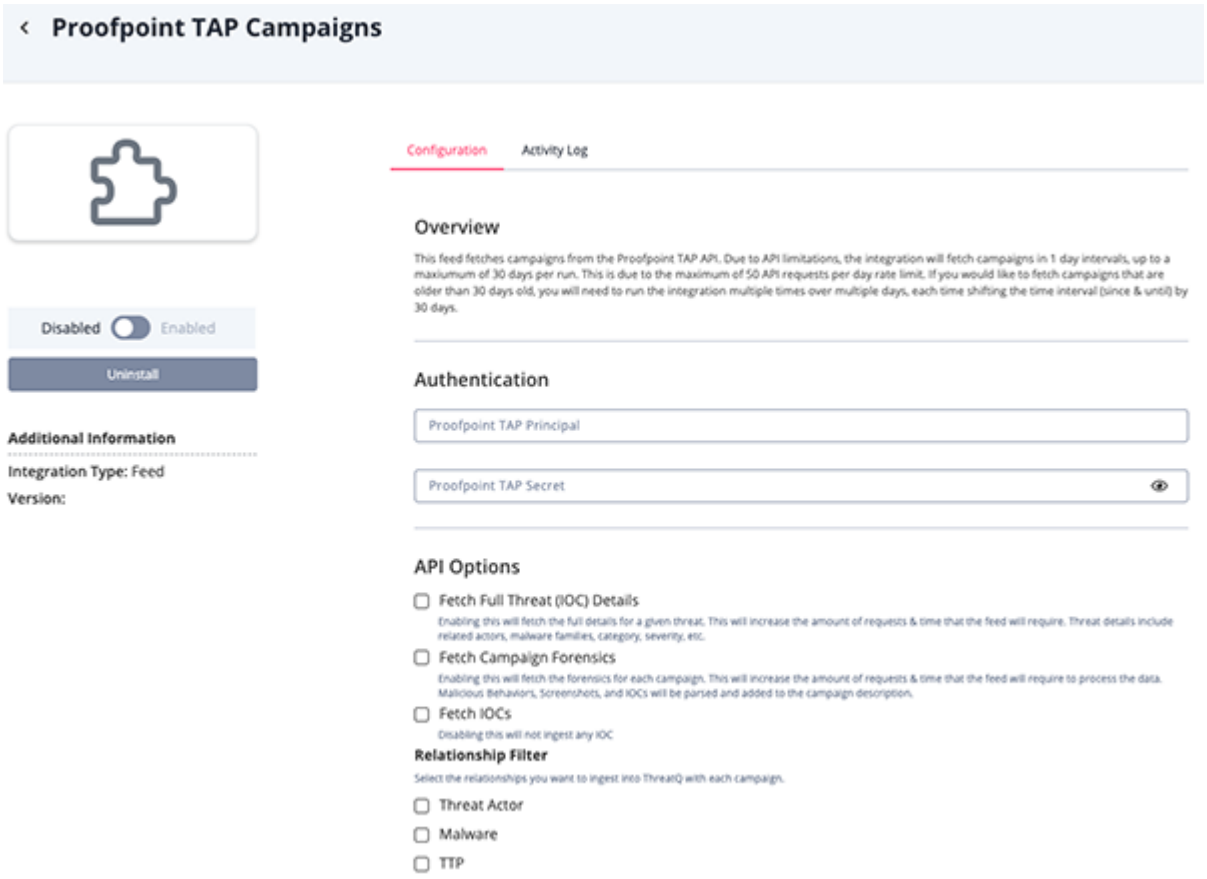
1. Navigate to your integrations management page in ThreatQ.
2. Select the **Commercial** option from the *Category* dropdown (optional).

   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. Enter the following parameters under the **Configuration** tab:

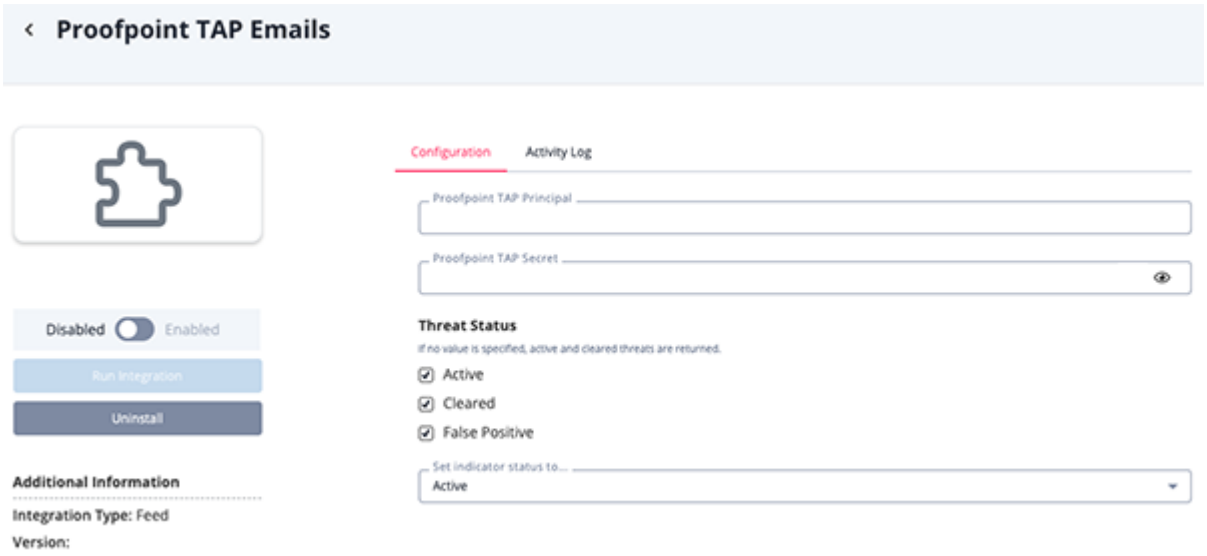
TAP Campaigns Parameters

PARAMETER	DESCRIPTION
Proofpoint TAP Principal	Your Proofpoint TAP Principal.
Proofpoint TAP Secret	Your Proofpoint TAP Secret.
Fetch Full Threat (IOC) Details	Enabling this will fetch the full details for a given threat. This will increase the amount of requests and time that the feed will require.
Fetch Campaign Forensics	Enabling this will fetch the forensics for each campaign. This will increase the amount of requests and time that the feed will require to process the data.
Fetch IOCs	Enable/Disable the ingestion of IOCs.
Relationship Filter	Select the threat types (IOCs) you want to be ingested into ThreatQ. Options include: ◦ Threat Actor ◦ Malware ◦ TTP



TAP Emails Parameter

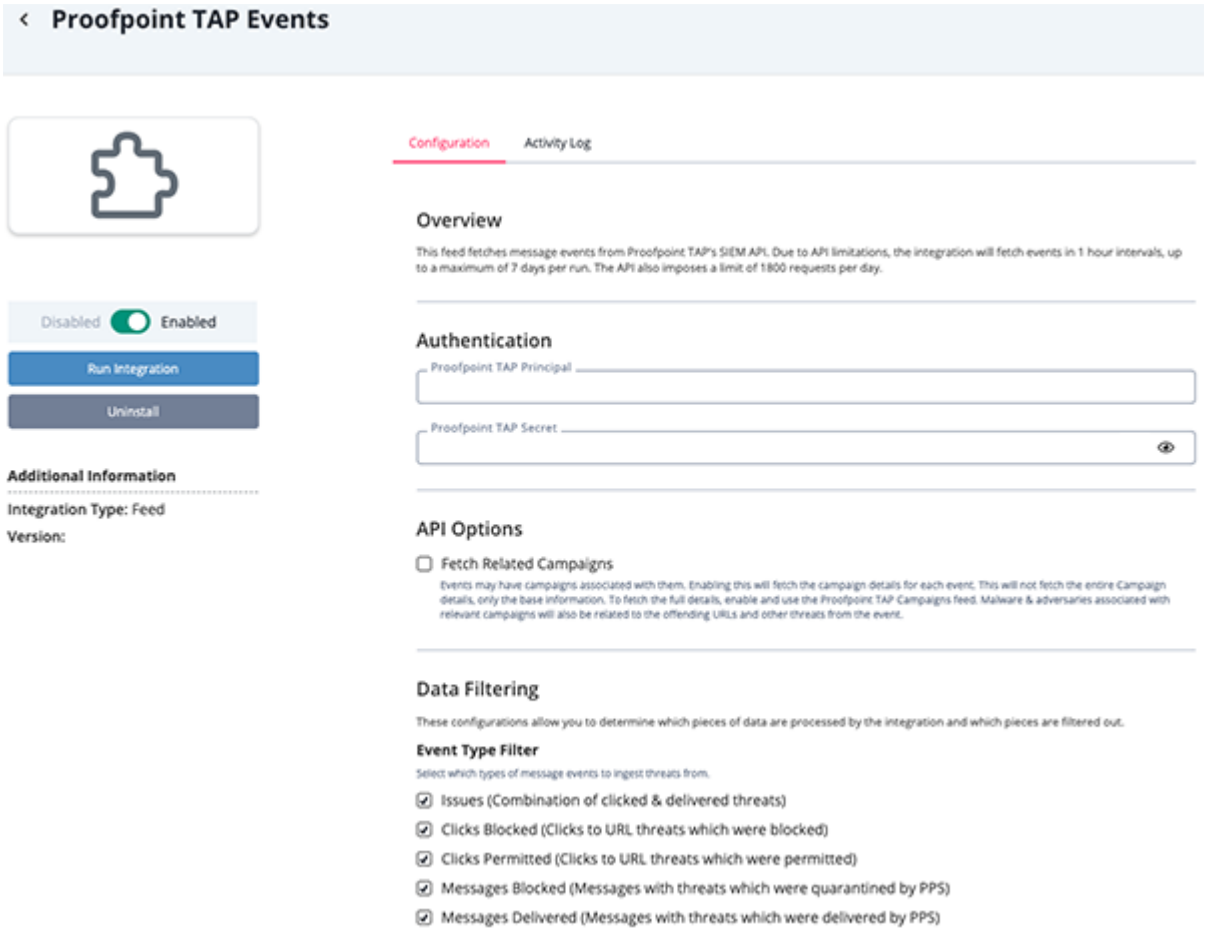
PARAMETER	DESCRIPTION
Proofpoint TAP Principal	Your Proofpoint TAP Principal.
Proofpoint TAP Secret	Your Proofpoint TAP Secret.
Threat Status	Specify which threat statuses will be returned in the data. **Active**, **Cleared**, and **False Positive** threat statuses are accepted. If no value is specified, active and cleared threats are returned.


Proofpoint TAP Emails
Disabled
Enabled
Run Integration
Uninstall
Additional Information
Integration Type: Feed
Version:
Configuration
Activity Log
Proofpoint TAP Principal
Proofpoint TAP Secret
Threat Status
If no value is specified, active and cleared threats are returned.
Active
Cleared
False Positive
Set indicator status to...
Active

TAP Events Parameters

PARAMETER	DESCRIPTION
Proofpoint TAP Principal	Your Proofpoint TAP Principal.
Proofpoint TAP Secret	Your Proofpoint TAP Secret.
Event Type Filter	Specify which types of message events to ingest threats from. Options include: ◦ Issues (Combination of clicked & delivered threats) ◦ Clicks Blocked (Clicks to URL threats which were blocked) ◦ Clicks Permitted (Clicks to URL threats which were permitted) ◦ Messages Blocked (Messages with threats which were quarantined by PPS) ◦ Messages Delivered (Messages with threats which were delivered by PPS)
Threat Status Filter	Specify which threat statuses will be returned in the data. If no value is specified, active and cleared threats are returned. Options include: ◦ Active ◦ Cleared ◦ False Positive
Classification Filter	Specify the classifications required for the threat to be ingested. Options include: ◦ Malware ◦ Phishing ◦ Spam

PARAMETER	DESCRIPTION
	◦ Impostor (for BEC/Message Text Threats) ◦ TOAD (Telephone-Oriented Attack Delivery)
Require Score	Enabling this will ignore any threats that do not have a score for any classifications.
Ingest Recipient Email Address	Enabling this will ingest the recipient email address as a ThreatQ Object, related to the threat.
Threat Types (IOCs)	Select the threat types (IOCs) you want to be ingested into ThreatQ. Options include: ◦ URLs ◦ Attachments (Hashes) ◦ Email Addresses ◦ Sender Email Addresses ◦ From Email Addresses ◦ Reply to Email Address ◦ Sender IP Addresses



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

Proofpoint TAP Events

The Proofpoint TAP Events feed allows a user to ingest and relate the emails of users who have clicked on malicious links, as well as these malicious links and their senders from the Proofpoint TAP SIEM endpoint.

```
GET https://tap-api-v2.proofpoint.com/v2/siem/all
```

Sample Response:


```
{
  "clicksPermitted": [
    {
      "url": "https://kul.ink/LyZu",
      "classification": "spam",
      "clickTime": "2021-03-29T18:08:16.000Z",
      "threatTime": "2021-03-30T15:36:54.000Z",
      "userAgent": "Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0;
rv:11.0) like Gecko",
      "campaignId": "",
      "id": "b92f6d79-aeec-4bc4-8fdb-ee9929f96856",
      "clickIP": "167.239.221.85",
      "sender": "roger73martinez@yahoo.com",
      "recipient": "john.doe@example.com",
      "senderIP": "78.159.108.31",
      "GUID": "21utHx_zcMEWcrZJEwVt8h-HU7GtkcVF",
      "threatID":
"4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatURL": "https://threatinsight.proofpoint.com/
011ae236-5630-b11c-efa9-799e8c978947/threat/email/
4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatStatus": "active",
      "messageID": "<01000nhxALbx7pjR-6XpAKxD-HLCE-0x1m-gqMY-
VQ3KUl2DOGJT-000000@email.amazonses.com>"
    }
  ],
  "clicksBlocked": [
    {
      "url": "https://kul.ink/ZyQ",
      "classification": "malware",
```

```
      "clickTime": "2021-03-29T18:08:16.000Z",
      "threatTime": "2021-03-30T15:36:54.000Z",
      "userAgent": "Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0;
rv:11.0) like Gecko",
      "campaignId": "",
      "id": "e12f6d79-aeec-4bc4-8fdb-ee9929f96856",
      "clickIP": "168.239.221.85",
      "sender": "roger73martinez@yahoo.com",
      "recipient": "john.doe@example.com",
      "senderIP": "78.159.108.32",
      "GUID": "21utHx_zcMEWcrZJEwVt8h-HU7GtkcVF",
      "threatID":
"4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatURL": "https://threatinsight.proofpoint.com/
781ae236-5630-b11c-efa9-799e8c978947/threat/email/
4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatStatus": "active",
      "messageID": "<01000nhxALbx7pjR-6XpAKxD-HLCE-0x1m-gqMY-
VQ3KUl2DOGJT-000000@email.amazonses.com>"
    }
  ],
  "messagesDelivered": [
    {
      "spamScore": 0,
      "phishScore": 0,
      "threatsInfoMap": [
        {
          "threatID":
"79f5a059efa25ad815a7bfd4bac4b33168bd205e09ecd3029fee1e8c902017e3",
          "threatStatus": "active",
          "classification": "malware",
          "threatUrl": "https://threatinsight.proofpoint.com/
bad9882e-b042-c1ed-7a8c-dd948a40e9a7/threat/email/
79f5a059efa25ad815a7bfd4bac4b33168bd205e09ecd3029fee1e8c902017e3",
          "threatTime": "2023-08-15T13:18:59.000Z",
          "threat": "https://ads.associationmediagroup.com/
redirect_alink.spark?
ALID=12884&ID=172818&utm_source=msba%20weekly&utm_medium=email&campai
gn=2399",
          "campaignID": null,
          "threatType": "url"
        }
```

```
      ],
      "messageTime": "2023-08-15T13:07:26.000Z",
      "impostorScore": 0,
      "malwareScore": 0,
      "cluster": "exampleofcompanyinc_hosted",
      "subject": "MSBA Mourns Passing of Past President Seymour
Stern, Join the\r\n A2JCâ€™s Delivery of Legal Services Committee,
ABA Formal Op.\r\n 505 Denounces Nonrefundable Fees, & More",
      "quarantineFolder": null,
      "quarantineRule": null,
      "policyRoutes": [
        "default_inbound"
      ],
      "modulesRun": [
        "av",
        "dkimv",
        "spf",
        "spam",
        "dmarc",
        "pdr",
        "urldefense"
      ],
      "messageSize": 118278,
      "headerFrom": "MSBA Weekly <msbaweekly@msba.org>",
      "headerReplyTo": null,
      "fromAddress": [
        "msbaweekly@msba.org"
      ],
      "ccAddresses": [],
      "replyToAddress": [],
      "toAddresses": [
        "john.doe@example.com"
      ],
      "xmailer": null,
      "messageParts": [
        {
          "disposition": "inline",
          "sha256":
"90884d87582fdd68f9b969cc28592bd74376869b533707625fedb237b01bfa32",
          "md5": "ff53861b753d20f37f27bc8f528ab03d",
          "filename": "text.html",
          "sandboxStatus": null,
```

```
          "oContentType": "text/html",
          "contentType": "text/html"
        },
        {
          "disposition": "inline",
          "sha256":
"7879b9e594f5db07b9ff987e5df82350b111686b8e10bd8504fa604b8e4b5491",
          "md5": "a40421f586719b827b5ac730142ca5ba",
          "filename": "text.txt",
          "sandboxStatus": null,
          "oContentType": "text/plain",
          "contentType": "text/plain"
        }
      ],
      "completelyRewritten": true,
      "id": "f9d43162-91f1-60ce-5219-d06a48c39b65",
      "QID": "37FA0mQ2014303",
      "GUID": "a_KclEU5OcHxiRjFeDUSRZEN-iflZ5cZ",
      "sender": "83242fbb75c8-000000@mail.msba.org",
      "recipient": [
        "john.doe@example.com"
      ],
      "senderIP": "23.251.231.70",
      "messageID": "<01000189f94ee762-
b92e97d0-2aab-44b8-84c5-83242fbb75c8-000000@email.amazonses.com>"
    }
  ],
  "messagesBlocked": [
    {
      "spamScore": 0,
      "phishScore": 0,
      "threatsInfoMap": [
        {
          "threatID":
"ddbb3051ccbb43a985bb3dc98da57ee2380892a248853b2a5a1f0a77c3e10201",
          "threatStatus": "active",
          "classification": "malware",
          "threatUrl": "https://threatinsight.proofpoint.com/
bad9882e-b042-c1ed-7a8c-dd948a40e9a7/threat/email/
ddbb3051ccbb43a985bb3dc98da57ee2380892a248853b2a5a1f0a77c3e10201",
          "threatTime": "2023-07-04T00:30:19.000Z",
          "threat": "appy.thelittlehappythings.com/ga/click/",
```

```
          "campaignID": null,
          "threatType": "url"
        }
      ],
      "messageTime": "2023-08-15T13:18:10.000Z",
      "impostorScore": 0,
      "malwareScore": 100,
      "cluster": "exampleofcompanyinc_hosted",
      "subject": "ER Doctor just went public with a shocking study he
found.",
      "quarantineFolder": "Inbound Malware",
      "quarantineRule": "inbound_malware",
      "policyRoutes": [
        "default_inbound"
      ],
      "modulesRun": [
        "av",
        "dkimv",
        "spf",
        "spam",
        "dmarc",
        "pdr",
        "urldefense"
      ],
      "messageSize": 9005,
      "headerFrom": "\"sleeping pills\"
<leoneljblalock@lit.thelittlehappythings.com>",
      "headerReplyTo": "leoneljblalock@lit.thelittlehappythings.com",
      "fromAddress": [
        "leoneljblalock@lit.thelittlehappythings.com"
      ],
      "ccAddresses": [],
      "replyToAddress": [
        "leoneljblalock@lit.thelittlehappythings.com"
      ],
      "toAddresses": [
        "john.doe@example.com"
      ],
      "xmailer": null,
      "messageParts": [
        {
          "disposition": "inline",
```

```
          "sha256":
"c9cf8b9799e3eb9972b87baf75d22b518bca885d2424c273c838a88934ee3322",
          "md5": "488bdfe713c2e6eae01ff4129fb2f2a0",
          "filename": "text.html",
          "sandboxStatus": null,
          "oContentType": "text/html",
          "contentType": "text/html"
        }
      ],
      "completelyRewritten": false,
      "id": "320e7e53-71a0-1d54-86e6-9a7a4374c5eb",
      "QID": "3sg9b3r3hh-1",
      "GUID": "Gg9EOkeeyWN_5K4Ql3rnCnk4RCgQbxbs",
      "sender": "403625345=8@lit.thelittlehappythings.com",
      "recipient": [
        "john.doe@example.com"
      ],
      "senderIP": "161.97.93.90",
      "messageID":
"<mid-2af6eb34d77f189d523324ff1ca38096-379@lit.thelittlehappythings.c
om>"
    }
  ]
}
```


ThreatQuotient provides the following default mapping for this feed:

> The following information is added to the description of the events ingested from `messagesDelivered` and `messagesBlocked`: `.modulesRun[]`, `.policyRoutes[]`, `messageParts[].filename`, `messageParts[].sandboxStatus`, `messageParts[].contentType`, `messageParts[].disposition`, `messageParts[].md5`, `messageParts[].sha256`.
>
> The following information is added to the description of the events ingested from `clicksPermitted` and `clicksBlocked`: `.threatURL`, `.threatID`, `.sender`, `.senderIP`, `.recipient`, `.userAgent`, `.clickTime`, `threatTime`

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.messagesDelivered[].threatsInfo`	Related Indicator.Value	`.messagesDelivered[].threatsInfoMa`	`.messagesDelivered[].threatsInfo`	`https://ads.associationmediagroup.com`	Indicator type computed by

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
Map[].threat		p[].threatType	Map[].threatTime	/redirect_alink.spark?ALID=128...	using Proofpoint Threat Type Mapping
.messagesDelivered[].threatsInfoMap[].classification	Related Indicator.Attribute	Classification	.messagesDelivered[].threatsInfoMap[].threatTime	malware	N/A
.messagesDelivered[].malwareScore	Related Indicator.Attribute	Malware Score	.messagesDelivered[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is malware. Updatable.
.messagesDelivered[].spamScore	Related Indicator.Attribute	Spam Score	.messagesDelivered[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is spam. Updatable.
.messagesDelivered[].phishScore	Related Indicator.Attribute	Phish Score	.messagesDelivered[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is phish. Updatable.
.messagesDelivered[].impostorScore	Related Indicator.Attribute	Impostor Score	.messagesDelivered[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is impostor. Updatable.
.messagesDelivered[].recipient, .messagesDelivered[].sender	Event.Title	N/A	.messagesDelivered[].messageTime	[Delivered] john.doe@example.com received a suspicious message from sender, 83242fbb75c8-000000@mail.msba.org	N/A
N/A	Event.Type	N/A	N/A	Incident	All the events have type Incident
.messagesDelivered[].id	Event.Attribute	Proofpoint ID	.messagesDelivered[].messageTime	f9d43162-91f1-60ce-5219-d06a48c39b65	N/A
.messagesDelivered[].cluster	Event.Attribute	Cluster	.messagesDelivered[].messageTime	exampleofcompanyinc_hosted	N/A
.messagesDelivered[].quarantineFolder	Event.Attribute	Quarantine Folder	.messagesDelivered[].messageTime	N/A	N/A
.messagesDelivered[].subject	Event.Attribute	Subject	.messagesDelivered[].messageTime	MSBA Mourns Passing of Past President Seymour Stern...	N/A
.messagesDelivered[].impostorScore	Event.Attribute	Impostor Score	.messagesDelivered[].messageTime	0	If not 0. Updatable.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.messagesDelivered[].spamScore	Event.Attribute	Spam Score	.messagesDelivered[].messageTime	0	If not 0. Updatable.
.messagesDelivered[].phishScore	Event.Attribute	Phish Score	.messagesDelivered[].messageTime	0	If not 0. Updatable.
.messagesDelivered[].malwareScore	Event.Attribute	Malware Score	.messagesDelivered[].messageTime	0	If not 0. Updatable.
.messagesBlocked[].threatsInfoMap[].threat	Related Indicator.Value	.messagesBlocked[].threatsInfoMap[].threatType	.messagesBlocked[].threatsInfoMap[].threatTime	appy.thelittlehappythings.com/ga/click/	Indicator type computed by using Proofpoint Threat Type Mapping
.messagesBlocked[].threatsInfoMap[].classification	Related Indicator.Attribute	Classification	.messagesBlocked[].threatsInfoMap[].threatTime	malware	N/A
.messagesBlocked[].malwareScore	Related Indicator.Attribute	Malware Score	.messagesBlocked[].threatsInfoMap[].threatTime	100	If .messagesDelivered[].threatsInfoMap[].classification is malware. If not 0. Updatable.
.messagesBlocked[].spamScore	Related Indicator.Attribute	Spam Score	.messagesBlocked[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is spam. If not 0. Updatable.
.messagesBlocked[].phishScore	Related Indicator.Attribute	Phish Score	.messagesBlocked[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is phish. If not 0. Updatable.
.messagesBlocked[].impostorScore	Related Indicator.Attribute	Impostor Score	.messagesBlocked[].threatsInfoMap[].threatTime	0	If .messagesDelivered[].threatsInfoMap[].classification is impostor. If not 0. Updatable.
.messagesBlocked[].recipient, .messagesBlocked[].sender	Event.Title	N/A	.messagesBlocked[].messageTime	[Blocked] john.doe@example.com received a suspicious message from sender, 403625345=8@lit.thelittlehappythings.com	N/A
.messagesBlocked[].id	Event.Attribute	Proofpoint ID	.messagesBlocked[].messageTime	320e7e53-71a0-1d54-86e6-9a7a4374c5eb	N/A
.messagesBlocked[].cluster	Event.Attribute	Cluster	.messagesBlocked[].messageTime	exampleofcompanyinc_hosted	N/A
.messagesBlocked[].	Event.Attribute	Quarantine Folder	.messagesBlocked[].messageTime	Inbound Malware	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
quarantineFolder					
.messagesBlocked[].subject	Event.Attribute	Subject	.messagesBlocked[].messageTime	ER Doctor just went public with a shocking study he found.	N/A
.messagesBlocked[].impostorScore	Event.Attribute	Impostor Score	.messagesBlocked[].messageTime	0	If not 0. Updatable.
.messagesBlocked[].spamScore	Event.Attribute	Spam Score	.messagesBlocked[].messageTime	0	If not 0. Updatable.
.messagesBlocked[].phishScore	Event.Attribute	Phish Score	.messagesBlocked[].messageTime	0	If not 0. Updatable.
.messagesBlocked[].malwareScore	Event.Attribute	Malware Score	.messagesBlocked[].messageTime	100	If not 0. Updatable.
.clicksPermitted[].recipient, .clicksPermitted[].sender	Event.Title	N/A	.clicksPermitted[].clickTime	[Permitted] john.doe@example.com clicked a link classified as spam, from sender roger73martinez@yahoo.com	.clicksPermitted[].senderIP is used in case .clicksPermitted[].sender is missing.
.clicksPermitted[].classification	Event.Attribute	Classification	.clicksPermitted[].clickTime	spam	N/A
.clicksPermitted[].campaignId	Event.Attribute	Campaign ID	.clicksPermitted[].clickTime	N/A	N/A
.clicksPermitted[].id	Event.Attribute	Proofpoint ID	.clicksPermitted[].clickTime	b92f6d79-aeec-4bc4-8fdb-ee9929f96856	N/A
.clicksPermitted[].clickIP	Event.Attribute	Click External IP	.clicksPermitted[].clickTime	167.239.221.85	If user config Ingest IP Addresses of Clicked Links As is Attribute.
.clicksPermitted[].clickIP	Related Indicator.Value	IP Address	N/A	167.239.221.85	If user config Ingest IP Addresses of Clicked Links As is Indicator.
.clicksPermitted[].classification	Related Indicator.Attribute	Classification	.clicksPermitted[].clickTime	spam	N/A
.clicksBlocked[].recipient, .clicksBlocked[].sender	Event.Title	N/A	.clicksPermitted[].clickTime	[Blocked] john.doe@example.com clicked a link classified as malware, from sender roger73martinez@yahoo.com	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.clicksBlocked[].classification	Event.Attribute	Classification	.clicksPermitted[].clickTime	malware	N/A
.clicksBlocked[].campaignId	Event.Attribute	Campaign ID	.clicksPermitted[].clickTime	N/A	N/A
.clicksBlocked[].id	Event.Attribute	Proofpoint ID	.clicksPermitted[].clickTime	e12f6d79-aeec-4bc4-8fdb-ee9929f96856	N/A
.clicksBlocked[].clickIP	Event.Attribute	Click External IP	.clicksPermitted[].clickTime	168.239.221.85	If user config Ingest IP Addresses of Clicked Links As is Attribute.
.clicksBlocked[].clickIP	Related Indicator.Value	IP Address	N/A	168.239.221.85	If user config Ingest IP Addresses of Clicked Links As is Indicator.
.clicksBlocked[].classification	Related Indicator.Attribute	Classification	.clicksPermitted[].clickTime	malware	N/A
.messagesDelivered[].recipient	Related Corporate_Email.Value, Identity.Value	N/A	N/A	john.doe@example.com	If user config Ingest Recipient Email Addresses is enabled; Object type depends on user-selection.
.messagesBlocked[].recipient	Related Corporate_Email.Value, Identity.Value	N/A	N/A	john.doe@example.com	If user config Ingest Recipient Email Addresses is enabled; Object type depends on user-selection.
.clicksPermitted[].recipient	Related Corporate_Email.Value, Identity.Value	N/A	N/A	john.doe@example.com	If user config Ingest Recipient Email Addresses is enabled; Object type depends on user-selection.
.clicksBlocked[].recipient	Related Corporate_Email.Value, Identity.Value	N/A	N/A	john.doe@example.com	If user config Ingest Recipient Email Addresses is enabled; Object type depends on user-selection.
.clicksPermitted[].url	Related Indicator.Value	URL	N/A	https://kul[.]ink/LyZu	If user config Threat Types (IOCs) contains URLs
.clicksBlocked[].url	Related Indicator.Value	URL	N/A	https://kul[.]ink/ZyQ	If user config Threat Types (IOCs) contains URLs
.messagesDelivered[].sender	Related Indicator.Value	Email Address	N/A	83242fbb75c8-000000@mail.msba.org	If user config Threat Types (IOCs) contains Sender Email Addresses
.messagesBloc	Related Indicator.Value	Email Address	N/A	403625345=8@lit.thelittlehappythings.com	If user config Threat Types

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
ked[].sender					(IOCs) contains Sender Email Addresses
.clicksPermitted[].sender	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains Sender Email Addresses
.clicksBlocked[].sender	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains Sender Email Addresses
.messagesDelivered[].fromAddress[]	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains From Email Addresses
.messagesDelivered[].replyToAddress[]	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains Reply To Email Addresses
.messagesBlocked[].fromAddress[]	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains From Email Addresses
.messagesBlocked[].replyToAddress[]	Related Indicator.Value	Email Address	N/A	roger73martinez@yahoo.com	If user config Threat Types (IOCs) contains Reply To Email Addresses
.messagesDelivered[].senderIP	Related Indicator.Value	IP Address	N/A	23.251.231.70	If user config Threat Types (IOCs) contains Sender IP Addresses
.messagesBlocked[].senderIP	Related Indicator.Value	IP Address	N/A	161.97.93.90	If user config Threat Types (IOCs) contains Sender IP Addresses
.clicksPermitted[].senderIP	Related Indicator.Value	IP Address	N/A	78.159.108.31	If user config Threat Types (IOCs) contains Sender IP Addresses
.clicksBlocked[].senderIP	Related Indicator.Value	IP Address	N/A	78.159.108.32	If user config Threat Types (IOCs) contains Sender IP Addresses
N/A	Indicator.Tag, Event.Tag	N/A	N/A	clicked, blocked, delivered, permitted	Always added based on incident details. See note below.

Events from `.clicksPermitted[]` and `.clicksBlocked[]` receive the tag `clicked`. Events from `.clicksPermitted[]` receive the tag `permitted`. Events from `.clicksBlocked[]` and `.messagesBlocked[]` receive the tag `blocked`. Events from `.delivered[]` receive the tag `delivered`.

This feed will also make a request to fetch related campaigns to events (if

available & enabled), using the `Proofpoint TAP - Fetch Campaign by ID` supplemental feed. See the mapping for that feed for additional information, the following information is not included: `.description`, `.campaignMembers[].threat` and `.campaignMembers[].id`. To fetch the full details, enable and use the `Proofpoint TAP Campaigns` feed.

Threat Type Matching

PROOFPOINT THREAT TYPE	THREATQ INDICATOR TYPE	NOTES
url	URL	N/A
attachment	MD5, SHA-1, SHA-256, SHA-384, SHA-512	Mapping performed based on hash length.
messageText	Email Address	N/A

Proofpoint TAP Campaigns

The Proofpoint TAP Campaigns feed allows users to pull specific details about a campaign.

```
GET https://tap-api-v2.proofpoint.com/v2/campaign/ids
```

Sample Response:

This feed extracts the campaign ID (campaigns[].id) and sends it to the supplemental feeds: Proofpoint TAP - Fetch Campaign by ID, Proofpoint TAP - Fetch Forensics.


```
{
    "campaigns": [
        {
            "id": "4de2b1f5-81a3-58d9-834f-7e4c944f73c0",
            "lastUpdatedAt": "2023-08-11T00:30:15.000Z"
        }
    ]
}
```

Proofpoint TAP - Fetch Campaign by ID (supplemental)

The Fetch Threat by ID supplemental feed ingests information about campaigns.

```
GET https://tap-api-v2.proofpoint.com/v2/campaign/{CAMPAIGN_ID}
```

Sample Response:


```
{
   "id": "4de2b1f5-81a3-58d9-834f-7e4c944f73c0",
   "name": "Grandoreiro | TA2725 | URLs | \"n0t49083\" | BR | 9-14
August 2023",
   "description": "Emails with Portuguese language NF-e lures
containing links to a rar file containing an MSI file with a final
payload of Grandoreiro, a trojan designed to steal personal and
banking information. This campaign is geofenced to Brazil.\n\nExample
senders:\n<pre>\nDepartamento De Emissao&lt;grupo@c1.nf7329.com&gt;
\nDepartamento De Emissao&lt;grupo@c11.ntffs32992.com&gt;\n</
pre>\n\nExample subjects:\n<pre>\nEmissao de Registro NF-E-
09/08/2023\n</pre>\n\n\n\n**Landing Page**\n\n - http://
86.203.178.68.host.secureserver.net/.n0t49083/\n\n - https://
pronotaid2023747343.blob.core.windows.net/%24web/
ElectricNf24f2023.rar\n",
   "startDate": "2023-08-09T00:00:00.000Z",
   "notable": false,
   "actors": [
      {
         "id": "3ba7ed7e-c62b-4009-b736-a1e190ad31b2",
         "name": "TA2725"
      }
   ],
   "families": [
      {
         "id": "1c76a23b-5d2f-4ec8-bb37-cff693e73419",
         "name": "Malware"
      }
   ],
   "malware": [
      {
         "id": "5b27a23b-5d2f-4ec8-bb37-cff693e73023",
         "name": "IceID"
      }
   ],
```

```
   "techniques": [
      {
         "id": "0d3494d8-efad-4fe8-a947-760f0a50a8d9",
         "name": "Geofencing"
      },
      {
         "id": "70a76992-2be1-4a70-a96b-2824c4428113",
         "name": "Social Engineering"
      }
   ],
   "brands": [],
   "campaignMembers": [
      {
         "id":
"91d97d8d0e4dd1354c4d0a00f97717c6c165480002e3176fcc5c65bc4ca2e786",
         "threat": "http://
86.203.178.68.host.secureserver.net/.n0t49083/?
hash=enrico.almeida@edenred.com",
         "threatStatus": "active",
         "type": "url",
         "threatTime": "2023-08-13T08:50:26.000Z"
      },
      {
         "id":
"b806ab4b6034d2fef208fc2996ee14bb18368c65add2b5ec4939bc49e9366e02",
         "threat": "http://
86.203.178.68.host.secureserver.net/.n0t49083/?
hash=elisa.dimer@embratec.com.br",
         "threatStatus": "active",
         "type": "url",
         "threatTime": "2023-08-13T09:06:23.000Z"
      }
   ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.name	Campaign.Value	N/A	value.startDate	Grandoreiro..	N/A
.description	Campaign.Description	N/A	N/A	Emails with Portuguese language NF-e...	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.id	Campaign.Attribute	Campaign ID	value.startDate	4de2b1f5-81a3-58d9-834f-7e4c944f73c0	N/A
.families[].name	Campaign.Attribute	Campaign Family	value.startDate	Malware	N/A
.brands[].name	Campaign.Attribute	Affected Brand	value.startDate	N/A	N/A
.notable	Campaign.Attribute	Is Notable	value.startDate	False	Updatable.
.actors[].name	Related Adversary.Name	N/A	value.startDate	TA2725	If user config `Relationship Filter` contains `Threat Actors`
.malware[].name	Related Malware.Value	N/A	value.startDate	IceID	If user config `Relationship Filter` contains `Malware`
.techniques[].name	Related TTP.Value	N/A	value.startDate	Geofencing	If user config `Relationship Filter` contains `TTP`
.campaignMembers[].threat	Related Indicator.Value	.campaign Members[].type	value.campaign embers[].threatTime	`http://86.203.178.68.host.secureserver.net/.n0t49083/...`	Indicator type computed by using `Proofpoint Threat Type Mapping`
.campaignMembers[].id	Related Indicator.Attribute	Threat ID	value.campaign Members[].threatTime	91d97d8d0e4dd1354c4d0a00f97717c6c165480002e3176fcc5c65bc4ca2e786	N/A

For campaigns ingested using `Proofpoint TAP Events` the user config `Relationship Filter` is called `Campaign Relationship Filter`.

If the user field `Fetch Full Threat (IOC) Details` is enabled the value `.campaignMembers[].id` is sent to `Proofpoint TAP - Fetch Threat by ID` feed to bring more data about the indicator.

Proofpoint TAP - Fetch Threat by ID (supplemental)

The Fetch Threat by ID supplement feed ngests information about threats (indicators) sent in campaigns.

```
GET https://tap-api-v2.proofpoint.com/v2/threat/summary/{THREAT_ID}
```

Sample Response:


```
{
    "id":
"91d97d8d0e4dd1354c4d0a00f97717c6c165480002e3176fcc5c65bc4ca2e786",
    "identifiedAt": "2023-08-11T00:30:15.000Z",
    "name":
"29e1885a1a422f2963630c515518085dc75f24d3f3adaf87896684af47d1a64a",
    "type": "attachment",
    "category": "malware",
    "status": "active",
    "severityScore": 105,
    "attackSpread": 273,
    "notable": false,
    "verticallyTargeted": false,
    "geoTargeted": false,
    "actors": [
        {
            "id": "3ba7ed7e-c62b-4009-b736-a1e190ad31b2",
            "name": "TA2725"
        }
    ],
    "families": [
        {
            "id": "69a63403-f478-40f6-a4cb-3d2ffb85b98e",
            "name": "Keylogger"
        }
    ],
    "malware": [
        {
            "id": "4b500558-23d0-4a9b-901a-1cb4cf8a21fb",
            "name": "AgentTesla"
        }
    ],
    "techniques": [
        {
```

```
            "id": "e8eae353-317b-4211-8a87-7d4b6baf9f2c",
            "name": "PDF"
        },
        {
            "id": "e48835be-e1b5-4e20-a1aa-d1a85494067c",
            "name": "Compressed Executable"
        }
    ],
    "brands": [
        {
            "id": "c9fed353-317b-4211-8a87-6a3b6baf9f2c",
            "name": "Some Brand Name"
        }
    ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
category	Related Indicator.Attribute	Category	value.campaignMembers[].threatTime	malware	N/A
.severityScore	Related Indicator.Attribute	Severity	value.campaignMembers[].threatTime	105	Updated if it already exists.
.attackSpread	Related Indicator.Attribute	Attack Spread	value.campaignMembers[].threatTime	273	Updated if it already exists.
.notable	Related Indicator.Attribute	Is Notable	value.campaignMembers[].threatTime	False	Updated if it already exists.
.verticallyTargeted	Related Indicator.Attribute	Is Vertically Targeted	value.campaignMembers[].threatTime	False	Updated if it already exists.
.geoTargeted	Related Indicator.Attribute	Is Geographically Targeted	value.campaignMembers[].threatTime	False	Updated if it already exists.
.families[].name	Related Indicator.Attribute	Malware Type	value.campaignMembers[].threatTime	Keylogger	N/A
.malware[].name	Related Indicator.Attribute	Malware Family	value.campaignMembers[].threatTime	AgentTesla	N/A
.techniques[].name	Related Indicator.Attribute	Technique	value.campaignMembers[].threatTime	PDF	N/A
.actors[].name	Related Indicator.Attribute	Related Actor	value.campaignMembers[].threatTime	TA2725	N/A
.brands[].name	Related Indicator.Attribute	Affected Brand	value.campaignMembers[].threatTime	Some Brand Name	N/A

The publishing date for all the items is taken from the Proofpoint TAP - Fetch Campaign by ID feed.

Proofpoint TAP - Fetch Forensics (Supplemental)

The Fetch Forensics Supplemental feed ingests forensics information about a campaign if the user field Fetch Campaign Forensics is enabled.

```
GET https://tap-api-v2.proofpoint.com/v2/forensics?
campaignId={CAMPAIGN_ID}
```

Sample Response:

```
{
   "generated": "2023-08-16T19:03:50.378Z",
   "reports": [
      {
         "scope": "CAMPAIGN",
         "id": "6d91144e-204f-4bee-8e87-f1ae598e8da1",
         "name": "AgentTesla | PDF Attachments | \"adobeuplate\" | 15
August 2023",
         "forensics": [
            {
               "type": "attachment",
               "display": "Malicious attachment with SHA-256:
6e164c98d26cbff1cd1b3935b236a2fe228a011a197b7d3763f6803210d19f1e",
               "engine": "iee",
               "malicious": true,
               "time": 0,
               "what": {
                  "sha256":
"6e164c98d26cbff1cd1b3935b236a2fe228a011a197b7d3763f6803210d19f1e",
                  "blacklisted": true
               },
               "platforms": [
                  {
                     "name": "Win10",
                     "os": "win",
                     "version": "win10"
                  }
               ]
            },
            {
               "type": "behavior",
               "display": "ET INFO Windows Powershell User-Agent
Usage",
```

```
                "engine": "iee",
                "malicious": false,
                "note": "ET INFO Windows Powershell User-Agent Usage",
                "time": 0,
                "what": {
                   "rule": "etpro_2033355"
                },
                "platforms": [
                   {
                      "name": "Win10",
                      "os": "win",
                      "version": "win10"
                   }
                ]
             }
          ]
       }
    ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.reports[].forensics[].what.sha256	Indicator.Value	SHA-256	N/A	6e164c98d26cbff1cd1b3935b236a2fe228a011a197b7d3763f6803210d19f1e	If `.reports[].forensics[].type` is `attachment`, `file` or `url`
.reports[].forensics[].what.md5	Indicator.Value	MD5	N/A	N/A	If `.reports[].forensics[].type` is `attachment`, `file` or `url`
.reports[].forensics[].what.fqdn	Indicator.Value	FQDN	N/A	N/A	If `.reports[].forensics[].type` is `dns`
.reports[].forensics[].what.ips	Indicator.Value	IP Address	N/A	N/A	If `.reports[].forensics[].type` is `dns`
.reports[].forensics[].what.ip	Indicator.Value	IP Address	N/A	N/A	If `.reports[].forensics[].type` is `url`
.reports[].forensics[].what.path	Indicator.Value	File Path	N/A	N/A	If `.reports[].forensics[].type` is `dropper` or `file`
.reports[].forensics[].what.url	Indicator.Value	URL	N/A	N/A	If `.reports[].forensics[].type` is `dropper` or `url`

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.reports[].forensics[].what.name	Indicator.Value	Mutex	N/A	N/A	If `.reports[].forensics[].type` is `mutex`
.reports[].forensics[].what.key	Indicator.Value	Registry Key	N/A	N/A	If `.reports[].forensics[].type` is `registry`
.reports[].forensics[].what.key	Indicator.Value	Registry Key	N/A	N/A	If `.reports[].forensics[].type` is `registry`
.reports[].forensics[].what.blacklisted	Indicator.Attribute	Is Blacklisted	N/A	True	N/A
.reports[].forensics[].type	Indicator.Attribute	Type	N/A	attachment	N/A
.reports[].forensics[].what.port	Indicator.Attribute	Port	N/A	N/A	N/A
.reports[].forensics[].what.protocol	Indicator.Attribute	Protocol	N/A	N/A	N/A
N/A	Indicator.Attribute	Is Malicious	N/A	True	Always true because non-malicious data is filtered out.
.reports[].forensics[].display, .reports[].forensics[].platforms	Related Campaign.Description	N/A	N/A	True	If `.reports[].forensics[].type` is `behavior`.
.reports[].forensics[].what.url	Related Campaign.Description	N/A	N/A	True	If `.reports[].forensics[].type` is `screenshot`.

Forensics information about a campaign is returned only if `.reports[].forensics[].malicious` is True.

Proofpoint TAP Emails

The Proofpoint Tap Emails feed is a lightweight version of Proofpoint TAP Events with fewer configuration items.

```
GET https://tap-api-v2.proofpoint.com/v2/siem/all
```

Sample Response:


```
{
  "clicksPermitted": [
    {
      "url": "https://kul.ink/LyZu",
      "classification": "spam",
      "clickTime": "2021-03-29T18:08:16.000Z",
      "threatTime": "2021-03-30T15:36:54.000Z",
      "userAgent": "Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0;
rv:11.0) like Gecko",
      "campaignId": "",
      "id": "b92f6d79-aeec-4bc4-8fdb-ee9929f96856",
      "clickIP": "167.239.221.85",
      "sender": "roger73martinez@yahoo.com",
      "recipient": "example@example.com",
      "senderIP": "78.159.108.31",
      "GUID": "21utHx_zcMEWcrZJEwVt8h-HU7GtkcVF",
      "threatID":
"4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatURL": "https://threatinsight.proofpoint.com/
011ae236-5630-b11c-efa9-799e8c978947/threat/email/
4d07e404b62d36aa6cf7c1712f12ee00836be10942abf1740090b88ea209019b",
      "threatStatus": "active",
      "messageID": "<01000nhxALbx7pjR-6XpAKxD-HLCE-0x1m-gqMY-
VQ3KUl2DOGJT-000000@email.amazonses.com>"
    }
  ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	EXAMPLES	NOTES
.clicksPermitted[].url	Related Indicator.Value	URL	`https://kul[.]ink/LyZu`	N/A
.clicksPermitted[].recipient	Related Corporate_Email.Value	N/A	`example@example.com`	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	EXAMPLES	NOTES
.clicksPermitted[].sender	Related Indicator.Value	Email Address	`roger73martinez@yahoo.com`	N/A
.clicksPermitted[].clickTime	Incident.started_at	N/A	2021-03-29T18:08:16.000Z	N/A
.clicksPermitted[].recipient, .clicksPermitted[].clickIP	Incident.Value	N/A	User `example@example.com` has clicked on a malicious resource from IP address `167.239.221.85`	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.

Proofpoint Events

METRIC	RESULT
Run Time	1 minute
Corporate Emails	80
Indicators	212
Indicator Attributes	283
Incidents	120

Proofpoint Campaigns

METRIC	RESULT
Run Time	1 minute
Campaign	1
Campaign Attributes	3
Indicators	3
Indicator Attributes	21

METRIC	RESULT
Adversary	1
Malware	1
TTP	2

Proofpoint Emails

METRIC	RESULT
Run Time	1 minute
Corporate Emails	80
Events	120
Indicators	212

Known Issues / Limitations

- Manual Runs - the following are known limitations when performing manual runs:
  - The time range must be within the last 7 days.
  - The feeds will only fetch time ranges of 48 hours or less, starting from the end date.
  - The start time must be at least 1 minute before the end time.

Change Log

- **Version 1.3.1**
  - Fixed an issue in the Proofpoint TAP Campaigns feed that could cause synchronization failures when no campaigns were available for the requested time interval. The integration now correctly treats empty campaign results as a valid response.
- **Version 1.3.0 rev-a**
  - Guide Update - updated custom object installation steps for ThreatQ v6 instances.
- **Version 1.3.0**
  - Added the ability to Fetch Related Campaigns for the Proofpoint TAP Events feed. This will allow ThreatQ to associate a campaign with a specific click/block event. It will also allow ThreatQ to associate an actor or malware with the underlying threats (IOCs).
  - Resolved an issue where the Proofpoint TAP Events integration would error out if it tried to fetch data older than 7 days ago. This was due to Proofpoint TAP API restrictions. The integration will now fetch a maximum of 7 days worth of data.
  - Added a new default **Event Type** parameter option called `Issues` which allows the integration to only fetch a combination of the clicks to malicious URLs permitted and messages delivered containing a known threat.
  - Added additional description information to delivered/blocked messages:
    - Message Parts
    - Modules Run (by Proofpoint)
    - Policy Routes
  - Ingested indicators and events will now receive tags based on the type of incident (i.e. `clicked`, `blocked`, `delivered`, `permitted`).
  - Ingested URLs are not inter-related with the other extracted indicators (i.e. `clickIP`, `sender`, `senderIP`, etc.).
  - Ingested "click" events will now include a description with the incident metadata, including a hyperlink to the Threat URL.
- **Version 1.2.1**

  - Resolved a pagination issue with the **Proofpoint TAP Emails** feed that resulted in a `TypeError('Cannot parse argument of type None.')` error.

- **Version 1.2.0**
  - Added support for ingesting the `ReplytoAddress` and `fromAddress` fields for the **Proofpoint TAP Events** feed.
  - Added a new configuration field, **Relationship Filter**, to the **Proofpoint TAP Campaigns** feed.
- **Version 1.1.0**
  - Added two new feeds:
    - Proofpoint TAP Campaigns
    - Proofpoint TAP Events
  - Updated the Integration name to Proofpoint TAP CDF.
  - Added a new Known Issues / Limitations entry regarding manual runs.
  - Updated the minimum ThreatQ version to 5.10.0.
- **Version 1.0.0**
  - Initial release