ThreatQuotient

A Securonix Company

NCFTA CDF

Version 1.1.0

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ThreatQ Supported

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Contents

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

Support Email: tq-support@securonix.com
Support Web: https://ts.securonix.com
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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.1.0
Compatible with ThreatQ Versions	>= 6.7.2
Support Tier	ThreatQ Supported

Introduction

The NCFTA CDF integration ingests published MISP events from a user-provided, self-hosted MISP server instance. The MISP threat sharing platform is free and open source software that enables sharing of threat intelligence represented in the MISP data model format.

The integration provides the following feed:

- **NCFTA** - ingests MISP events from the NCFTA MISP instance.

The integration ingests the following system objects:

- Adversaries
- Attachments
- Attack Patterns
- Course of actions
- Events
- Indicators
- Intrusion Sets
- Malware
- Signatures
- Tools

Prerequisites

If you intend to ingest MISP events that are related to any MITRE MISP galaxies, confirm that the following feeds successfully run prior to running the MISP Import feed:

- MITRE Enterprise ATT&CK
- MITRE Mobile ATT&CK
- MITRE ICS ATT&CK

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 yaml file.
3. Navigate to the integrations management page on your ThreatQ instance.
4. Click on the **Add New Integration** button.
5. 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

   > 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. 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).

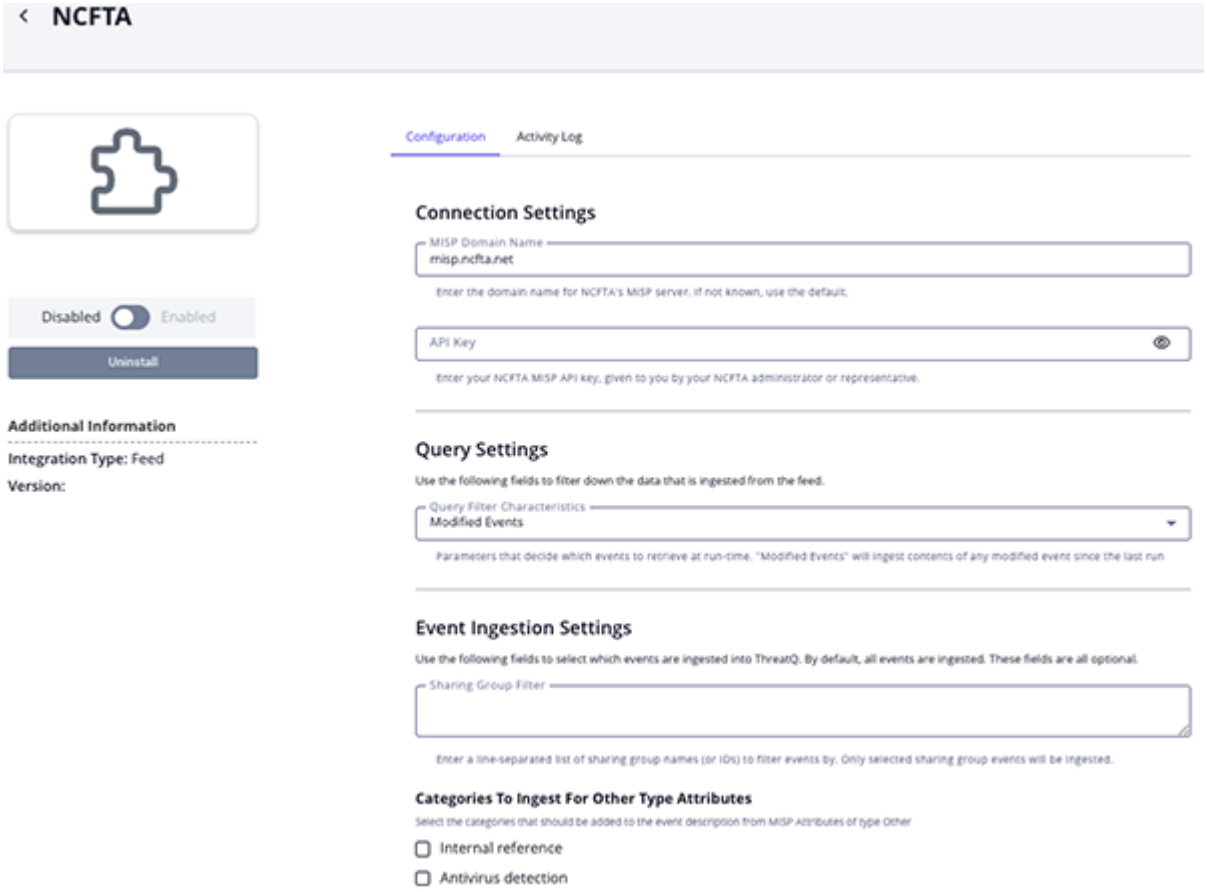
   > If you are installing the integration for the first time, it will be located under the **Disabled** tab.

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

PARAMETER	DESCRIPTION
MISP Domain Name	The MISP server instance domain name (or IP address) preceded by the protocol it uses, such as `https://my-misp-server.org`. The provided domain name or IP address must be reachable from the ThreatQ instance.
API Key	The MISP account API key.
Query Filter Characteristics	Set which parameters that decide which events to retrieve at run-time. Options include: ◦ **Modified Events** - ingest contents of any modified event since the last run. ◦ **New Events** - ingest events having a newer date than configured start date together with their full context.
Sharing Group Filter	Enter a line-separated list of sharing group names (or IDs) to filter events by. > Only selected sharing group events will be ingested.

PARAMETER	DESCRIPTION
Categories to Ingest for Other Type Attributes	Select the categories that should be added to the event description from MISP attributes of the type: `other`. Options include: ◦ Internal reference ◦ Antivirus detection ◦ Payload delivery ◦ Artifacts dropped ◦ Payload installation ◦ Persistence mechanism ◦ Network activity ◦ Payload type ◦ Attribution ◦ External analysis ◦ Financial fraud *(default)* ◦ Support Tool ◦ Social network ◦ Person *(default)* ◦ Other
Extract CyFin Tags	Enable this parameter to extract terms between brackets or parentheses in Cyfin event titles. These tags can be utilized for dashboarding or search your Threat Library. This parameter is disabled by default.
Apply CyFin Tags to Indicators	Enable this parameter to apply extracted CyFin tags to the indicators derived from the MISP event (excluding User-Agent). When disabled, tags will be applied only to the MISP event. This parameter is disabled by default.
Parse & Ingest CyFin Custom IOC Types	Enable this parameter to perform additional parsing of CyFin MISP events in order to extract custom IOC types that are not natively supported by ThreatQ. The custom IOC types are `Phone Number`, `Account Number`, and `Routing Number`. During this process, the integration will create these custom IOC types via the API and apply them to the associated IOCs.
Disable Proxies	Enable this parameter if the feed should not honor proxies set in the ThreatQ UI.

PARAMETER	DESCRIPTION
Enable SSL Certificate Verification	Enable this parameter if the feed should validate the host-provided SSL certificate.



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

NCFTA

The NCFTA feed ingests MISP events into the ThreatQ platform.

`POST {{user_fields.domain_name}}/events/restSearch`

`{{user_fields.domain_name}}` must contain the protocol, such as `https://`).

Sample Response:

```
{
  "response": [
    {
      "Event": {
        "id": "1",
        "orgc_id": "1",
        "org_id": "1",
        "date": "2018-12-14",
        "threat_level_id": "2",
        "info": "EVENT1",
        "published": false,
        "uuid": "5c142f52-5ad0-4c04-8069-03c8ac107221",
        "attribute_count": "4",
        "analysis": "1",
        "timestamp": "1545256410",
        "distribution": "1",
        "proposal_email_lock": false,
        "locked": false,
        "publish_timestamp": "1544827221",
        "sharing_group_id": "0",
        "disable_correlation": false,
        "extends_uuid": "",
        "event_creator_email": "admin@admin.test",
        "Org": {
          "id": "1",
          "name": "ORGNAME",
          "uuid": "5bd7a775-1d18-4fd7-b2f4-08b52dc69e54"
        },
        "Orgc": {
```

```
          "id": "1",
          "name": "ORGNAME",
          "uuid": "5bd7a775-1d18-4fd7-b2f4-08b52dc69e54"
        },
        "Attribute": [
          {
            "id": "1",
            "type": "link",
            "category": "Antivirus detection",
            "to_ids": false,
            "uuid": "5c17ccfe-3c1c-4f47-9a9f-38f6ac107221",
            "event_id": "1",
            "distribution": "3",
            "timestamp": "1545063678",
            "comment": "",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "value": "https:\/\/www.virustotal.com\/#\/file\/
17a0d59255046ed2cff22cd5980fcc86c69e059839fec07d705051ac2e178693\/
details",
            "Galaxy": [],
            "ShadowAttribute": []
          },
          {
            "id": "1259319",
            "type": "filename|md5",
            "category": "Payload installation",
            "to_ids": false,
            "uuid": "5ffc9a4f-7ef0-4077-b278-30a5ac107221",
            "event_id": "104",
            "distribution": "5",
            "timestamp": "1610390095",
            "comment": "",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "value": "bunnyhop.exe|31f3720bef6bb3e2953d9ea2238e0580",
```

```
            "Galaxy": [],
            "ShadowAttribute": []
          },
          {
            "id": "477506",
            "type": "attachment",
            "category": "Payload delivery",
            "to_ids": false,
            "uuid": "5dde5554-6320-4647-baa8-26d3ac107221",
            "event_id": "75",
            "distribution": "5",
            "timestamp": "1574851924",
            "comment": "sample.pdf",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "value": "sample.pdf",
            "Galaxy": [],
            "data":
"JVBERi0xLjMNCiXi48TDQoNCjEgMCBvYmo8DQovVHlwZS..."
          },
          {
            "id": "1",
            "type": "comment",
            "category": "Payload delivery",
            "to_ids": false,
            "uuid": "5e81aec6-5af0-498c-9826-7a63ac107122",
            "event_id": "1",
            "distribution": "5",
            "timestamp": "1585562438",
            "comment": "not applicable",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "first_seen": null,
            "last_seen": null,
            "value": "sample comment",
            "Galaxy": [],
```

```
            "ShadowAttribute": []
          },
          {
            "id": "3",
            "type": "snort",
            "category": "Network activity",
            "to_ids": false,
            "uuid": "5e81c3d7-d310-4344-bfe9-7805ac107122",
            "event_id": "1",
            "distribution": "5",
            "timestamp": "1585562583",
            "comment": "",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "first_seen": null,
            "last_seen": null,
            "value": "alert tcp $HOME_NET any -> any 3306 (msg:
\"mysql general_log write file\"; ...)"
          },
          {
            "id": "11359850",
            "type": "other",
            "category": "Financial fraud",
            "to_ids": false,
            "uuid": "eff268d7-01b9-4437-952f-ec5b0deee88c",
            "event_id": "89479",
            "distribution": "5",
            "timestamp": "1735934406",
            "comment": "Amount",
            "sharing_group_id": "0",
            "deleted": false,
            "disable_correlation": false,
            "object_id": "0",
            "object_relation": null,
            "first_seen": "2025-01-04T01:00:00.991334+00:00",
            "last_seen": "2025-01-04T01:00:00.991334+00:00",
            "value": "$20.00",
            "Galaxy": [],
            "ShadowAttribute": []
```

```
          }
        ],
        "Object": [
          {
            "id": "1",
            "name": "file",
            "meta-category": "file",
            "description": "File object describing a file with meta-
information",
            "template_uuid": "688c46fb-5edb-40a3-8273-1af7923e2215",
            "template_version": "15",
            "event_id": "1",
            "uuid": "5c1abdda-4cb8-427c-97d5-71c9ac107221",
            "timestamp": "1545256410",
            "distribution": "5",
            "sharing_group_id": "0",
            "comment": "dnsrslvr.dll",
            "deleted": false,
            "ObjectReference": [],
            "Attribute": [
              {
                "id": "26131",
                "type": "md5",
                "category": "Payload delivery",
                "to_ids": true,
                "uuid": "5c1abdda-0960-4530-a4e4-71c9ac107221",
                "event_id": "1",
                "distribution": "5",
                "timestamp": "1545256410",
                "comment": "",
                "sharing_group_id": "0",
                "deleted": false,
                "disable_correlation": false,
                "object_id": "1",
                "object_relation": "md5",
                "value": "44d88612fea8a8f36de82e1278abb02f"
              }
            ]
          },
          {
            "id": "1",
            "name": "yara",
```

```
            "meta-category": "misc",
            "description": "An object describing a YARA rule (or a
YARA rule name) along with its version.",
            "template_uuid": "b5acf82e-ecca-4868-82fe-9dbdf4d808c3",
            "template_version": "4",
            "event_id": "1",
            "uuid": "5e81cab1-5f2c-4350-8ed0-7b28ac107122",
            "timestamp": "1585564479",
            "distribution": "5",
            "sharing_group_id": "0",
            "comment": "",
            "deleted": false,
            "first_seen": null,
            "last_seen": null,
            "ObjectReference": [],
            "Attribute": [
              {
                "id": "4",
                "type": "yara",
                "category": "Payload installation",
                "to_ids": true,
                "uuid": "5e81cab1-58d4-4155-a691-7b28ac107122",
                "event_id": "1",
                "distribution": "5",
                "timestamp": "1585564470",
                "comment": "",
                "sharing_group_id": "0",
                "deleted": false,
                "disable_correlation": false,
                "object_id": "1",
                "object_relation": "yara",
                "first_seen": null,
                "last_seen": null,
                "value": "rule
Contains_VBA_macro_code\r\n{\r\n\tmeta:\r\n\t\tauthor = ..."
              }
            ]
          }
        ],
        "Galaxy": [
          {
            "id": "3",
```

```
            "uuid": "698774c7-8022-42c4-917f-8d6e4f06ada3",
            "name": "Threat Actor",
            "type": "threat-actor",
            "description": "Threat actors are characteristics of
malicious actors (or adversaries) representing a cyber attack threat
including presumed intent and historically observed behaviour.",
            "version": "3",
            "icon": "user-secret",
            "namespace": "misp",
            "GalaxyCluster": [
              {
                "id": "5401",
                "collection_uuid": "7cdff317-
a673-4474-84ec-4f1754947823",
                "type": "threat-actor",
                "value": "Keyhole Panda",
                "tag_name": "misp-galaxy: threat-actor=\"Keyhole
Panda\"",
                "description": "no description",
                "galaxy_id": "3",
                "source": "MISP Project",
                "authors": [
                  "Alexandre Dulaunoy",
                  "Florian Roth",
                  "Thomas Schreck",
                  "Timo Steffens",
                  "Various"
                ],
                "version": "75",
                "uuid": "ad022538-b457-4839-8ebd-3fdcc807a820",
                "tag_id": "77",
                "meta": {
                  "country": [
                    "CN"
                  ],
                  "synonyms": [
                    "temp.bottle"
                  ]
                }
              }
            ]
          },
```

```
          {
            "id": "4",
            "uuid": "1fb6d5b4-1708-11e8-9836-8bbc8ce6866e",
            "name": "Pre Attack - Intrusion Set",
            "type": "mitre-pre-attack-intrusion-set",
            "description": "Name of ATT&CK Group",
            "version": "4",
            "icon": "user-secret",
            "namespace": "mitre-attack",
            "GalaxyCluster": [
              {
                "id": "5614",
                "collection_uuid":
"1fdc8fa2-1708-11e8-99a3-67b4efc13c4f",
                "type": "mitre-pre-attack-intrusion-set",
                "value": "APT16 - G0023",
                "tag_name": "misp-galaxy:mitre-pre-attack-intrusion-
set=\"APT16 - G0023\"",
                "description": "APT16 is a China-based threat group
that has launched spearphishing campaigns targeting Japanese and
Taiwanese organizations. (Citation: FireEye EPS Awakens Part 2)",
                "galaxy_id": "4",
                "source": "https:\/\/github.com\/mitre\/cti",
                "authors": [
                  "MITRE"
                ],
                "version": "6",
                "uuid": "d6e88e18-81e8-4709-82d8-973095da1e70",
                "tag_id": "97",
                "meta": {
                  "external_id": [
                    "G0023"
                  ],
                  "refs": [
                    "https:\/\/attack.mitre.org\/wiki\/Group\/G0023",
                    "https:\/\/www.fireeye.com\/blog\/threat-
research\/2015\/12\/the-eps-awakens-part-two.html"
                  ],
                  "synonyms": [
                    "APT16"
                  ]
                }
```

```
            }
          ]
        }
      ],
      "Tag": [
        {
          "id": "11",
          "name": "tlp:red",
          "colour": "#CC0033",
          "exportable": true,
          "user_id": "0",
          "hide_tag": false,
          "numerical_value": null
        }
      ]
    }
  }
]
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.info	Event.Title / Event.Description	MISP	.response[].Event.publish_timestamp	EVENT1	N/A
.response[].Event.Attribute[].value	Event.Description	N/A	N/A	N/A	All the attributes of type other and the category enabled in Categories To Ingest For Other Type Attributes are added to the description.
.response[].Event.date	Event.Happened At	N/A	N/A	2018-12-14T00:00:00	N/A
.response[].Event.Orgc.name	Event.Attribute	Source Organization	.response[].Event.publish_timestamp	ORGNAME	N/A
.response[].Event.Org.name	Event.Attribute	Member Organization	.response[].Event.publish_timestamp	ORGNAME	N/A
.response[].Event.id	Event.Attribute	ID	.response[].Event.publish_timestamp	1	N/A
.response[].Event.uuid	Event.Attribute	UUID	.response[].Event.publish_timestamp	5c142f52-5ad0-4c04-8069-03c8ac107221	N/A
.response[].Event.threat_level_id	Event.Attribute	MISP Threat Level	.response[].Event.publish_timestamp	Medium	Maps an integer ID to a string based on the Threat Level Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.analysis	Event.Attribute	Analysis	.response[].Event.publish_timestamp	Ongoing	Maps an integer ID to a string based on the Analysis Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.distribution	Event.Attribute	Distribution	.response[].Event.publish_timestamp	This community only	Maps an integer ID to a string based on the Distribution Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.sharing_group_id	Event.Attribute	Sharing Group	.response[].Event.publish_timestamp	CyFin	N/A
.response[].Event.disable_correlation	Event.Attribute	Disable Correlation	.response[].Event.publish_timestamp	False	Title-cased

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.id	Event.Attribute	External MISP	.response[].Event.publish_timestamp	{{user_fields.domain_name}}/events/view/1	Value created from the template: {{user_fields.domain_name}}/events/view/{{id}}
.response[].Event.Object[].Attribute[].value	Event.Attribute	YARA Rule Name	.response[].Event.publish_timestamp	My YARA Rule	Based on the jq expression: .response[].Event.Object[] | select(.name == "yara") | .Attribute[] | select(.type == "yara-rule-name") | .value
.response[].Event.Tag[].name	Event.Attribute / Event.IndicatorAttribute	Tag	.response[].Event.publish_timestamp	tlp:red	N/A
.response[].Event.Tag[].name	Event.TLP / Event.IndicatorTLP	N/A	N/A	RED	TLP value is extracted from MISP tags whose name starts with either tlp: or iep:traffic-light-protocol=.
.response[].Event.Attribute[].value	Event.Attribute	Category	.response[].Event.publish_timestamp	https://www.virustotal.com/#/file/17a0d59255046ed2cff22cd5980fcc86c69e059839fec07d705051ac2e178693/details	Based on the jq expression: .response[].Event.Attribute[] | select(.type == "link") | .value
.response[].Event.Attribute[].value	Event.Attribute	Comment	.response[].Event.publish_timestamp	sample comment	Based on the jq expression: .response[].Event.Attribute[] | select(.type == "comment") | .value
.response[].Event.Attribute[].value	Event.AdversaryValue	N/A	N/A	N/A	If .type equals to threat-actor
.response[].Event.Attribute[].value	Event.IndicatorValue	The indicator's type is derived from .response[].Event.Attribute[].type (see MISP Attribute Type to ThreatQ Indicator Type Mapping below)	.response[].Event.Attribute[].timestamp	bunnyhop.exe | 31f3720bef6bb3e2953d9ea2238e0580 (creates two indicators: the Filename bunnyhop.exe and the MD5 31f3720bef6bb3e2953d9ea2238e0580)	MISP composite attributes have a value and type that are pipe-separated ("|"); an indicator is created for each element in the split list. Only applicable if .response[].Event.Attribute[].type has a match in the MISP Attribute Type to ThreatQ Indicator Type Mapping below.
.response[].Event.Attribute[].category	Event.IndicatorAttribute	Category	.response[].Event.Attribute[].timestamp	Payload installation	N/A
.response[].Event.Attribute[].to_ids	Event.IndicatorAttribute	To IDS	.response[].Event.Attribute[].timestamp	False	Title-cased

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.Attribute[].distribution	Event.IndicatorAttribute	Distribution	.response[].Event.Attribute[].timestamp	All communities	Maps an integer ID to a string based on the Attribute Distribution Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.Attribute[].timestamp	Event.IndicatorAttribute	Timestamp	.response[].Event.Attribute[].timestamp	2019-04-08 09:27:58-00:00	N/A
.response[].Event.Attribute[].comment	Event.IndicatorAttribute	Comment	.response[].Event.Attribute[].timestamp	sample comment	This attribute is created only if the comment does not contain the substring "Pertinence".
.response[].Event.Attribute[].comment	Event.IndicatorAttribute	Pertinence	.response[].Event.Attribute[].timestamp	sample comment	This attribute is created only if "Pertinence" appears in the comment value. The attribute's value is the text after "Pertinence:".
.response[].Event.Attribute[].sharing_group_id	Event.IndicatorAttribute	Sharing Group	.response[].Event.Attribute[].timestamp	0	N/A
.response[].Event.Attribute[].deleted	Event.IndicatorAttribute	Deleted	.response[].Event.Attribute[].timestamp	False	Title-cased
.response[].Event.Attribute[].disable_correlation	Event.IndicatorAttribute	Disable Correlation	.response[].Event.Attribute[].timestamp	False	Title-cased
.response[].Event.Attribute[].object_relation	Event.IndicatorAttribute	Object Relation	.response[].Event.Attribute[].timestamp	N/A	Title-cased
.response[].Event.Attribute[].Tag[].name	Event.IndicatorAttribute	Tag	.response[].Event.Attribute[].timestamp	N/A	N/A
.response[].Event.Attribute[].type	Event.IndicatorAttribute	IP Type	.response[].Event.Attribute[].timestamp	ip-dst	The attribute value is "ip-dst" if "ip-dst" is in the type value. Else, the attribute value is "ip-src" if "ip-src" is in the type value. If neither of the aforementioned cases are true, this attribute is not created.
.response[].Event.	Event.IndicatorValue	The indicator's type is derived	N/A	44d88612fea8a8f36de82e1278abb02f	All indicators created from a MISP Object's Attributes are

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
Object[].Attribute[].value		from .response[].Event.Object[].Attribute[].type (see MISP Attribute Type to ThreatQ Indicator Type Mapping below)			inter-related. Only applicable if .response[].Event.Object[].Attribute[].type has a match in the MISP Attribute Type to ThreatQ Indicator Type Mapping below.
.response[].Event.Object[].Attribute[].category	Event.IndicatorAttribute	Category	N/A	Payload delivery	N/A
.response[].Event.Object[].Attribute[].to_ids	Event.IndicatorAttribute	To IDS	N/A	False	Title-cased
.response[].Event.Object[].Attribute[].distribution	Event.IndicatorAttribute	Distribution	N/A	All communities	Maps an integer ID to a string based on the Attribute Distribution Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.Object[].Attribute[].sharing_group_id	Event.IndicatorAttribute	Sharing Group	N/A	0	N/A
.response[].Event.Object[].Attribute[].comment	Event.IndicatorAttribute	Comment	N/A	sample comment	N/A
.response[].Event.Object[].Attribute[].type	Event.IndicatorAttribute	IP Type	N/A	ip-dst	The attribute value is "ip-dst" if "ip-dst" is in the type value. Else, the attribute value is "ip-src" if "ip-src" is in the type value. If neither of the aforementioned cases are true, this attribute is not created.
.response[].Event.Attribute[].value	Event.AttachmentName / Event.AttachmentTitle	MISP Attachment	.response[].Event.Attribute[].timestamp	sample.pdf	Based on the jq expression: .response[].Event.Attribute[] | select(.type == "attachment") | .value
.response[].Event.Attribute[].data	Event.AttachmentContent	N/A	N/A	JVBERi0xLjMNCiXi48TDQoNCjEgMCBvYmo8DQovVHlwZS...	N/A
.response[].Event.Attribute[].id	Event.AttachmentAttribute	ID	.response[].Event.Attribute[].timestamp	477506	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.Attribute[].category	Event.AttachmentAttribute	Category	.response[].Event.Attribute[].timestamp	Payload delivery	N/A
.response[].Event.Attribute[].to_ids	Event.AttachmentAttribute	To IDS	.response[].Event.Attribute[].timestamp	True	Title-cased
.response[].Event.Attribute[].uuid	Event.AttachmentAttribute	UUID	.response[].Event.Attribute[].timestamp	5dde5554-6320-4647-baa8-26d3ac107221	N/A
.response[].Event.Attribute[].distribution	Event.AttachmentAttribute	Distribution	.response[].Event.Attribute[].timestamp	All communities	Maps an integer ID to a string based on the Attribute Distribution Mapping below. If no match is found, this attribute is not ingested.
.response[].Event.Attribute[].comment	Event.AttachmentAttribute	Comment	.response[].Event.Attribute[].timestamp	sample comment	N/A
.response[].Event.Attribute[].sharing_group_id	Event.AttachmentAttribute	Sharing Group	.response[].Event.Attribute[].timestamp	0	N/A
.response[].Event.Attribute[].deleted	Event.AttachmentAttribute	Deleted	.response[].Event.Attribute[].timestamp	False	Title-cased
.response[].Event.Attribute[].disable_correlation	Event.AttachmentAttribute	Disable Correlation	.response[].Event.Attribute[].timestamp	False	Title-cased
.response[].Event.Attribute[].value	Event.SignatureValue	YARA	N/A	import "pe"\n\nrule OceanLotus_Steganography_Loader {\n\n\tmeta:...	Based on the jq expression: .response[].Event.Attribute[] | select(.type == "yara") | .value. Unicode characters "LEFT DOUBLE QUOTATION MARK" (\u201c) and "RIGHT DOUBLE QUOTATION MARK" (\u201d) are normalized to ASCII double quotations ("). Unicode character "HYPHEN" (\u2010) is normalized to the ASCII hyphen (-).
.response[].Event.Attribute[].value	Event.SignatureName	N/A	N/A	OceanLotus_Steganography_Loader	Rule name extracted from the YARA parser.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.Object[].Attribute[].value	Event.SignatureValue	YARA	N/A	rule Contains_VBA_macro_code {\n\n\tmeta:...	Based on the jq expression: .response[].Event.Object[] | select(.name == "yara") | .Attribute[] | select(.type == "yara") | .value. Unicode characters "LEFT DOUBLE QUOTATION MARK" (\u201c) and "RIGHT DOUBLE QUOTATION MARK" (\u201d) are normalized to ASCII double quotations ("). Unicode character "HYPHEN" (\u2010) is normalized to the ASCII hyphen (-).
.response[].Event.Object[].Attribute[].value	Event.SignatureName	N/A	N/A	Contains_VBA_macro_code	Rule name extracted from the YARA parser.
.response[].Event.Attribute[].value	Event.SignatureValue	Snort	N/A	alert tcp $HOME_NET any -> any 3306 (msg: \"mysql general_log write file\"; ...)	Based on the jq expression: .response[].Event.Attribute[] | select(.type == "snort") | .value. Unicode characters "LEFT DOUBLE QUOTATION MARK" (\u201c) and "RIGHT DOUBLE QUOTATION MARK" (\u201d) are normalized to ASCII double quotations ("). Unicode character "HYPHEN" (\u2010) is normalized to the ASCII hyphen (-).
.response[].Event.Attribute[].value	Event.SignatureName	N/A	N/A	mysql general_log write file	Name extracted from Snort msg option if available; else, defaults to "Snort Rule". Leading or trailing whitespace is trimmed.
.response[].Event.Object[].Attribute[].value	Event.SignatureValue	Snort	N/A	alert tcp $HOME_NET any -> any 3306 (msg: \"mysql general_log write file\"; ...)	Based on the jq expression: .response[].Event.Object[] | select(.name == "suricata") | .Attribute[] | select(.type == "snort") | .value. Unicode characters "LEFT DOUBLE QUOTATION MARK" (\u201c) and "RIGHT DOUBLE QUOTATION MARK" (\u201d) are normalized to ASCII double quotations ("). Unicode character "HYPHEN" (\u2010) is normalized to the ASCII hyphen (-).
.response[].Event.Object[].Attribute[].value	Event.SignatureName	N/A	N/A	mysql general_log write file	Name extracted from Snort msg option if available; else, defaults to "Snort Rule". Leading or trailing whitespace is trimmed.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.Galaxy[].GalaxyCluster[].value / .response[].Event.Galaxy[].GalaxyCluster[].meta.synonyms[]	Event.AdversaryName	N/A	N/A	Keyhole Panda, temp.bottle	Based on the jq expression: .response[].Event.Galaxy[] | select(.type == "threat-actor") | (.GalaxyCluster[].value, .GalaxyCluster[].meta.synonyms[])
.response[].Event.Galaxy[].GalaxyCluster[].id	Event.AdversaryAttribute	ID	N/A	5401	N/A
.response[].Event.Galaxy[].GalaxyCluster[].type	Event.AdversaryAttribute	Type	N/A	threat-actor	N/A
.response[].Event.Galaxy[].GalaxyCluster[].description	Event.AdversaryAttribute	Description	N/A	no description	N/A
.response[].Event.Galaxy[].GalaxyCluster[].galaxy_id	Event.AdversaryAttribute	Galaxy ID	N/A	3	N/A
.response[].Event.Galaxy[].GalaxyCluster[].version	Event.AdversaryAttribute	Version	N/A	75	N/A
.response[].Event.Galaxy[].GalaxyCluster[].tag_id	Event.AdversaryAttribute	Tag ID	N/A	77	N/A
.response[].Event.Galaxy[].GalaxyCluster[].meta."cfr-suspected-state-sponsor"[]	Event.AdversaryAttribute	Suspected State Sponsor	N/A	China	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.response[].Event.Galaxy[].GalaxyCluster[].meta."cfr-suspected-victims"[]	Event.AdversaryAttribute	Suspected Victims	N/A	Japan	N/A
.response[].Event.Galaxy[].GalaxyCluster[].meta."cfr-target-category"[]	Event.AdversaryAttribute	Target Category	N/A	Private sector	N/A
.response[].Event.Galaxy[].GalaxyCluster[].meta."cfr-type-of-incident"[]	Event.AdversaryAttribute	Type of Incident	N/A	Espionage	N/A
.response[].Event.Galaxy[].GalaxyCluster[].meta.country[]	Event.AdversaryAttribute	Country	N/A	CN	N/A
.response[].Event.Galaxy[].GalaxyCluster[].meta.refs[]	Event.AdversaryAttribute	References	N/A	http://intelreport.mandiant.com/Mandiant_APT1_Report.pdf	N/A
.response[].Event.Galaxy[].GalaxyCluster[].value	Event.AdversaryName / Related Attack Pattern.Value / Related Course of Action.Value / Related Intrusion Set.Value / Related Malware.Value / Related Tool.Value	N/A	N/A	N/A	Attempts to map .response[].Event.Galaxy[].GalaxyCluster[].type to a ThreatQ Object Type based on the MISP Galaxy Cluster Type to ThreatQ Object Type Mapping below.
.response[].Event.	Indicator.ValueValue	Phone Number	.response[].Event.Attr	5551029876	When type == phone-number

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
Attribute[].value			ibute[].timestamp		
.response[].Event.Attribute[].value	Indicator.ValueValue	Account Number	.response[].Event.Attribute[].timestamp	N/A	When type == bank-account-nr
.response[].Event.Attribute[].value	Indicator.Value	Routing Number	.response[].Event.Attribute[].timestamp	N/A	When type == aba-rtn
.response[].Event.Attribute[].value	Event.Attribute	Stock	.response[].Event.Attribute[].timestamp	N/A	When type == other and comment == Stock
.response[].Event.Attribute[].value	Event.Attribute	Target Organization	.response[].Event.Attribute[].timestamp	N/A	When type == target-org

Threat Level Mapping

MISP THREAT LEVEL ID	THREATQ ATTRIBUTE VALUE
1	High
2	Medium
3	Low
4	Undefined

Distribution Mapping

MISP DISTRIBUTION ID	THREATQ ATTRIBUTE VALUE
0	Your organization only
1	This community only
2	Connected communities
3	All communities
4	Sharing Group

Attribute Distribution Mapping

MISP ATTRIBUTE DISTRIBUTION ID	THREATQ ATTRIBUTE VALUE
0	Your organization only
1	This community only
2	Connected communities
3	All communities
4	Sharing Group
5	Inherit event

Analysis Mapping

MISP ANALYSIS ID	THREATQ ATTRIBUTE VALUE
0	Initial
1	Ongoing
2	Completed

MISP Attribute Type to ThreatQ Indicator Type Mapping

MISP ATTRIBUTE TYPE	THREATQ INDICATOR TYPE
md5	MD5
sha1	SHA-1
sha256	SHA-256
sha384	SHA-384
sha512	SHA-512
filename	Filename
ip	IP Address
ip-src	IP Address
ip-dst	IP Address
hostname	FQDN
domain	FQDN
email	Email Address
email-subject	Email Subject
email-attachment	Email Attachment
email-src	Email Address

MISP ATTRIBUTE TYPE	THREATQ INDICATOR TYPE
email-x-mailer	X-Mailer
phone-number	String
ssdeep	Fuzzy Hash
regkey	Registry Key
user-agent	User-Agent
mutex	Mutex
url	URL
vulnerability	CVE
uri	URL Path
phone-number	Phone Number
bank-account-nr	Account Number
aba-rtn	Routing Number

MISP Galaxy Cluster Type to ThreatQ Object Type Mapping

MISP GALAXY CLUSTER TYPE	THREATQ OBJECT TYPE
mitre-mobile-attack-malware	Malware
mitre-enterprise-attack-malware	Malware
mitre-malware	Malware
mitre-enterprise-attack-tool	Tool
mitre-mobile-attack-tool	Tool
mitre-tool	Tool
mitre-enterprise-attack-course-of-action	Course of Action
mitre-mobile-attack-course-of-action	Course of Action
mitre-course-of-action	Course of Action
mitre-ics-attack-intrusion-set	Intrusion Set / Adversary (depends on value of the **Save Intrusion Sets as** configuration parameter)
mitre-intrusion-set	Intrusion Set / Adversary (depends on value of the **Save Intrusion Sets as** configuration parameter)
mitre-enterprise-attack-intrusion-set	Intrusion Set / Adversary (depends on value of the **Save Intrusion Sets as** configuration parameter)

MISP GALAXY CLUSTER TYPE	THREATQ OBJECT TYPE
mitre-mobile-attack-intrusion-set	Intrusion Set / Adversary (depends on value of the **Save Intrusion Sets as** configuration parameter)
mitre-enterprise-attack-attack-pattern	Attack Pattern
mitre-attack-pattern	Attack Pattern
mitre-mobile-attack-attack-pattern	Attack Pattern
mitre-ics-attack-attack-pattern	Attack Pattern

Average Feed Run

MISP server instances vary widely in their setup and the data stored within them. Due to this, average feed run results cannot be confidently provided.

Known Issues / Limitations

- MISP does not verify whether a Snort or YARA rule entered into it is valid. However, the Snort and YARA parsers used by this feed depend on the Snort or YARA rules being well-formed. Please refer to the following non-comprehensive list to aid in making sure that the Snort or YARA rules stored in your MISP server instance are valid so that they can be properly ingested by this feed.
- Snort:
  - Each rule option must be terminated with a semicolon (`;`).
  - Offending Snort rule: `alert tcp $HOME_NET any -> $EXTERNAL_NET [80,443,8080,7080,21,50000,995](msg:"BDS MALICIOUS Emotet Worming Traffic Likely";content:"d29ybSBzdGFydGVk";content:"POST";http_method;classtype:spreader;sid:7;rev:1)`
    - Correction needed: `rev:1` should be `rev:1;`
  - Rule option values must be valid. For instance, options like `rev`, `sid`, and `gid` must have base 10 integers as their value.
  - Offending Snort option: `sid:#########;`
    - Correction needed: Either remove `sid` if the value is not known or replace the value with a valid ID, like `sid:7;`.
  - The value of the `snort` MISP attribute must contain at least one entire Snort rule. Multiple Snort rules can be provided in a single value if separated by newlines. The value must not contain any excess text, such as a header like `Snort rule:`.
- YARA:
  - The value of the `yara` MISP attribute must contain at least one entire YARA rule. Multiple YARA rules can be provided in a single value if separated by newlines. The value must not contain any excess text, such as a header like `YARA rule:`.
  - Make sure that any text that is not valid YARA syntax is either removed or commented out.

Change Log

- **Version 1.1.0**
  - Added support for ingesting NCFTA custom indicator types, including `phone-number` (Phone Number), `bank-account-nr` (Account Number), and `aba-rtn` (Routing Number).
  - Added the ability to extract tags from CyFin event titles, enabling their use as attributes and analytics within ThreatQ, with optional application to associated indicators.
  - Fixed an issue causing duplication of the `Last Seen` attribute; the attribute will now update correctly.
  - Enhanced parsing to support additional attributes and objects for NCFTA custom indicator types, including Stock (attribute), Person (Identity object), Target Organization, and Bank (Identity object).
  - Updated the Sharing Group attribute to display the friendly name instead of the numeric group ID.
  - Added the following new configuration parameters:
    - **Extract CyFin Tags** - extract terms between brackets or parentheses in Cyfin event titles.
    - **Apply CyFin Tags to Indicators** - applies extracted CyFin tags to the indicators derived from the MISP event.
    - **Parse & Ingest CyFin Custom IOC Types** - performs additional parsing of CyFin MISP events in order to extract custom IOC types that are not natively supported by ThreatQ.
- **Version 1.0.2**
  - Added the ability to ingest MISP attributes of type `other` in the description.
  - Added a new configuration parameter:
    - **Categories To Ingest For Other Type Attributes** - allows you to select the categories that should be added to the event description from MISP Attributes of type `other`.
  - MISP attributes of type `threat actor` are now ingested as related adversaries.
  - Updated the minimum ThreatQ version to 6.7.2.
- **Version 1.0.1**
  - Renamed the **Authorization** configuration parameter to **API Key**.

  - Added a new configuration parameter: **Sharing Group Filter**. This parameter allows you to enter a line-separated list of sharing group names (or IDs) to filter events by. Only selected sharing group events will be ingested.
  - Added the ability to ingest email and phone number indicators - see the **MISP Attribute Type to ThreatQ Indicator Type Mapping** table for more information**.**
  - Improved operation of the **Query Filter Characteristics** filter.
  - Removed the **Save Intrusion Sets** configuration parameter.
  - Updated the minimum ThreatQ version to 6.5.0.

- **Version 1.0.0**
  - Initial release