ThreatQuotient

Mandiant Intelligence Reports CDF User Guide

Version 1.1.3

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ThreatQuotient
20130 Lakeview Center Plaza Suite 400
Ashburn, VA 20147

ThreatQ Supported

Support
Email: support@threatq.com
Web: support.threatq.com
Phone: 703.574.9893

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Support Web: https://support.threatq.com
Support Phone: 703.574.9893

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.1.3
Compatible with ThreatQ Versions	>= 4.34.0
Support Tier	ThreatQ Supported

Introduction

The Mandiant Intelligence Reports integration allows a user to ingest threat intelligence reports from Mandiant's API.

The integration provides the following feeds:

- **Mandiant Intelligence Reports** - returns a list of finished intelligence reports created by Mandiant.
- **Mandiant Report Download** (Supplemental) - returns details of a Mandiant report.

The integration ingests the following system object types:

- Adversaries
  - Adversary Attributes
- Indicators
  - Indicator Attributes
- Malware
  - Malware Attributes
- Reports
  - Report Attributes

The Mandiant Intelligence Reports CDF replaces the FireEye Intelligence Reports CDF.

Installation

Perform the following steps to install the integration:

> The same steps can be used to upgrade the integration to a new version.

1. Log into https://marketplace.threatq.com/.
2. Locate and download the integration file.
3. Navigate to the integrations management page on your ThreatQ instance.
4. Click on the **Add New Integration** button.
5. Upload the integration file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the integration file on your local machine

   > ThreatQ will inform you if the feed already exists on the platform and will require user confirmation before proceeding. ThreatQ will also inform you if the new version of the feed contains changes to the user configuration. The new user configurations will overwrite the existing ones for the feed and will require user confirmation before proceeding.

6. If prompted, select the individual feeds to install and click **Install**. The feed will be added to the integrations page.

You will still need to configure and then enable the 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.

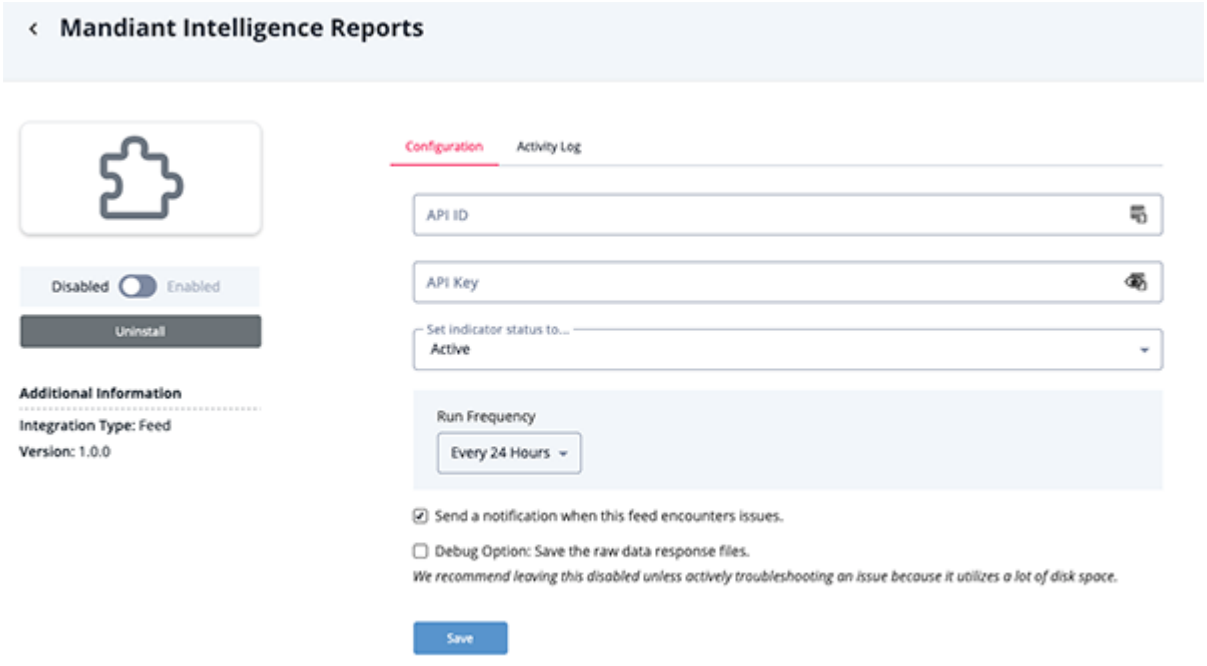
To configure the integration:

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:

PARAMETER	DESCRIPTION
API ID	Your Mandiant API ID used for authentication.
API Key	Your Mandiant API key used for authentication.



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

Mandiant Intelligence Reports

Retrieves a list of reports from Mandiant. Additionally, the `objects[].report_id` is used as a parameter in the Mandiant Report Download supplemental feed call.

`GET https://api.intelligence.mandiant.com/v4/reports`

Sample Response:


```
{
  "next":
"DnF1ZXJ5VGhlbkZldGNoAwAAAAfysFdFkxkSkRHeU1DUXJDRVlyYXN4UW5wSmcAAAAAGnyQvBZSZ2
loUlRuRVRue
XJ2bXptWHh3eXFRAAAAAB0MHPUWUU9NTTVqYWpTeENGWnF0VTd0Q0Vhdw==",
  "objects": [
    {
      "audience": [
        "Media Highlights"
      ],
      "id": "report--82f90aa8-2f51-5aa6-83aa-ffd31b93f9cf",
      "intelligence_type": "tmh",
      "publish_date": "2022-06-30T19:24:27.562Z",
      "report_id": "22-00015388",
      "report_link": "https://advantage.mandiant.com/reports/22-00015388",
      "report_type": "News Analysis",
      "title": "FCC Commissioner Urges Google, Apple to Drop TikTok App",
      "version": "1",
      "version_one_publish_date": "2022-06-30T19:24:27.562Z"
    }
  ],
  "total_count": 3054
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.objects[].report_link	report.attribute	Report Link	.publish_date	https://advantage.mandiant.com/reports/22-00015388	N/A

Mandiant Report Download (Supplemental)

The supplemental feed uses the `objects[].report_id` retrieved from the Mandiant Intelligence Reports as the `reportId` parameter in order to fetch the detailed report.

`GET https://api.intelligence.mandiant.com/v4/report/{reportId}`

Sample Response:


```
{
  "audience": [
    "cyber espionage"
  ],
  "cvss_base_score": "0",
  "cvss_temporal_score": "0",
  "executive_summary": "<ul style=\"margin-bottom: 0in; font-family: 'open
sans', sans-serif; font-size: 12pt;\">\n<li><span style=\"font-size: 12.0pt;
\">Mandiant assesses with high confidence that APT42 is an Iranian state-
sponsored cyber espionage group tasked with conducting information collection
and surveillance operations against individuals and organizations of strategic
interest to the Iranian Government. We further estimate with moderate
confidence that APT42 operates on behalf of the Islamic Revolutionary Guard
Corps (IRGC) based on targeting patterns that align with the IRGC's operational
mandates and priorities./span></li>\n<li><span style=\"font-size: 12.0pt;
\">Active since at least 2015, APT42 is characterized by highly targeted spear-
phishing and surveillance operations against individuals and organizations of
strategic interest to Iran. The group's operations, which are designed to build
trust and rapport with their victims, have included accessing the personal and
corporate email accounts of government officials, former Iranian policymakers
or political figures, members of the Iranian diaspora and opposition groups,
journalists, and academics who are involved in research on Iran. The group has
also deployed mobile malware capable of tracking victim locations, recording
phone conversations, accessing videos and images, and extracting entire SMS
inboxes.</span></li>\n<li><span style=\"font-size: 12.0pt;\">APT42 has a
demonstrated ability to alter its operational focus as Iran's priorities evolve
over time. We anticipate that APT42 will continue to conduct cyber espionage
operations in support of Iran's strategic priorities in the long term based on
their extensive operational history and imperviousness to public reporting and
infrastructure takedowns.</span></li>\n</ul>",
  "networks":[
      {
         "identifier":"Related",
         "network_type":"network",
         "ip":"104.234.239.26",
         "port":"445"
      },
      {
         "identifier":"Attacker",
         "network_type":"url",
         "port":"8080",
```

```
         "protocol":"http",
         "url":"http://finformservice.com:8080/mds/O"
      },
      {
         "domain":"ukrainianworldcongress.info",
         "identifier":"Attacker",
         "network_type":"network"
      },
      {
         "identifier":"Attacker",
         "network_type":"url",
         "port":"8080",
         "protocol":"http",
         "url":"http://finformservice.com:8080/mds/
D\u2014\u2014\u2014\u2014\u2014\u2014\u2014\u2014\u2013"
      }
   ],
  "files": [
    {
      "actor": "APT42",
      "identifier": "Attacker",
      "malwareFamily": "MAGICDROP",
      "md5": "9d0e761f3803889dc83c180901dc7b22",
      "name": "flashplayer.exe",
      "sha1": "ecf9b7283fda023fa37ad7fdb15be4eadded4e06",
      "sha256":
"d4375a22c0f3fb36ab788c0a9d6e0479bd19f48349f6e192b10d83047a74c9d7",
      "size": "2871296",
      "type": "application/x-dosexec"
    }
  ],
  "id": "report--d5a62569-3935-572a-882e-25d40c63e4c1",
  "in_the_wild": false,
  "previous_versions": [
    {
      "publish_date": "2022-08-01T16:33:59.053Z",
      "report_id": "22-00018039",
      "version_number": 1
    }
  ],
  "publish_date": "2022-08-01T16:33:59.053Z",
  "relations": {},
  "report_confidence": "ND",
  "report_id": "22-00018039",
  "report_type": "Actor Profile",
  "requester_org_id": "FireEye",
  "tags": {
    "actors": [
      {
        "aliases": [
```

```
          "APT 42"
        ],
        "id": "threat-actor--f7fdbf0c-4b5b-5b95-b005-702afffe4a72",
        "name": "APT42"
      }
    ],
    "affected_industries": [
      "Civil Society and Non-profits"
    ],
    "affected_systems": [
      "Users/Application and Software"
    ],
    "intended_effects": [
      "Political Advantage"
    ],
    "malware_families": [
      {
        "aliases": [
          "TABBYCAT"
        ],
        "id": "malware--a27fdd81-afcc-563d-add9-2ebf1138aaeb",
        "name": "TABBYCAT"
      }
    ],
    "motivations": [
      "Military/Security/Diplomatic"
    ],
    "source_geographies": [
      "Iran"
    ],
    "target_geographies": [
      "Australia"
    ],
    "targeted_informations": [
      "Government Information"
    ],
    "ttps": [
      "Social Engineering"
    ]
  },
  "threat_detail": "threat detail",
  "threat_scape": [
    "Cyber Espionage"
  ],
  "title": "APT42: Crooked Charms, Cons, and Compromises",
  "version": 1,
  "version_one_publish_date": "2022-08-01T16:33:59.053Z",
  "zero_day": false
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.title	report.value	N/A	.publish_date	APT42: Crooked Charms, Cons, and Compromises	N/A
.report_type + .publish_date + .executive_summary + .threat_detail	report.description	N/A	N/A	Report Type: Actor Profile Published At: 2022-08-0 1T16:33:59.053Z Executive Summary Mandiant (IR. `..[Truncated - see full report]` will be appended to the description.	N/A
.executive_summary	report.attribute	Executive Summary	.publish_date	Mandiant assesses with high confidence that APT42 is an Iranian state-sponsored cyber espionage group tasked with conducting information collection and	N/A
.executive_summary	attack_pattern.value	N/A	N/A	T1055.001 - Dynamic-link Library Injection	N/A
.audience	report.attribute	Audience	.publish_date	cyber espionage	N/A
.version	report.attribute	Version	.publish_date	1	N/A
.report_type	report.attribute	Report Type	.publish_date	Actor Profile	N/A
.report_id	report.attribute	Report ID	.publish_date	22-00018039	N/A
.previous_versions[].version_number	report.attribute	Previous Version Number	.publish_date	1	If multiple `previous_version` objects exist, only the most recent `previous_version` object is reported.
.previous_versions[].publish_date	report.attribute	Previous Version Date	.publish_date	2022-10-13 15:04:24-00:00	If multiple `previous_version` objects exist, only the most recent `previous_version` object is reported.
.tags.affected_industries[]	report.attribute / adversary.attribute / malware.attribute	Affected Industry	.publish_date	Civil Society & Non-profits	N/A
.tags.affected_systems[]	report.attribute / adversary.attribute / malware.attribute	Affected System	.publish_date	Users/Application and Software	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.tags.motivations[]	report.attribute / adversary.attribute / malware.attribute	Motivation	.publish_date	Military/Security/Diplomatic	N/A
.tags.source_geographies[]	report.attribute / adversary.attribute / malware.attribute	Source Geography	.publish_date	Iran	N/A
.tags.target_geographies[]	report.attribute / adversary.attribute / malware.attribute	Target Geography	.publish_date	Australia	N/A
.tags.targeted_informations[]	report.attribute / adversary.attribute / malware.attribute	Targeted Information	.publish_date	Government Information	N/A
.tags.ttps[]	report.attribute / adversary.attribute / malware.attribute	TTP	.publish_date	Social Engineering	N/A
.tags.actors[].name	adversary.name	N/A	.publish_date	APT42	Adversary objects are related to the primary Report object.
.tags.actors[].id	adversary.attribute	ID	.publish_date	threat-actor--f7fdbf0c-4b5b-5b95-b005-702afffe4a72	N/A
.tags.malware_families[].name	malware.value	N/A	.publish_date	TABBYCAT	Malware objects are related to the primary Report object and all other Adversary, Malware, and Indicator objects parsed from the Report object.
.tags.malware_families[].id	malware.attribute	ID	.publish_date	malware--a27fdd81-afcc-563d-add9-2ebf1138aaeb	N/A
.tags.malware_families[].aliases[]	malware.attribute	Alias	.publish_date	TABBYCAT	N/A
.networks[].ip	related indicator.value	IP Address	.publish_date	104.234.239.26	N/A
.networks[].url	related indicator.value	URL	.publish_date	http://finformservice.com:8080/mds/O	N/A
.networks[].port	indicator.attribute	Port	.publish_date	8080	N/A
.networks[].protocol	indicator.attribute	Protocol	.publish_date	http	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.networks[].domain	related indicator.value	FQDN	.publish_date	ukrainianworldcongress.info	N/A
.files[].name	indicator.value	N/A	.publish_date	flashplayer.exe	Indicator type is `Filename`. Indicator objects are related to the primary Report object.
.files[].sha1	indicator.value	N/A	.publish_date	ecf9b7283fda023fa37ad7fdb15be4eadded4e06	Indicator type is `SHA-1`. Indicator objects are related to the primary Report object.
.files[].sha256	indicator.value	N/A	.publish_date	d4375a22c0f3fb36ab788c0a9d6e0479bd19f48349f6e192b10d83047a74c9d7	Indicator type is `SHA-256`. Indicator objects are related to the primary Report object
.files[].md5	indicator.value	N/A	.publish_date	9d0e761f3803889dc83c180901dc7b22	Indicator type is `MD5`. Indicator objects are related to the primary Report object
.files[].size	indicator.attribute	File Size	.publish_date	2871296	N/A
.files[].identifier	indicator.attribute	Indentifier	.publish_date	Attacker	N/A
.files[].type	indicator.attribute	File Type	.publish_date	application/x-dosexec	N/A
.files[].malwareFamily	indicator.attribute	Malware Family	.publish_date	MAGICDROP	N/A
.files[].actor	indicator.attribute	Actor	.publish_date	APT42	N/A
.threat_scape	indicator.attribute	Threat Scape	.publish_date	Cyber Espionage	N/A
.cvss_base_score	report.attribute / adversary.attribute / malware.attribute	CVSS Base Score	.publish_date	0	N/A
.cvss_temporal_score	report.attribute / adversary.attribute / malware.attribute	CVSS Temporal Score	.publish_date	0	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.report_confidence	report.attribute / adversary.attribute / malware.attribute	Report Confidence	.publish_date	ND	N/A
.in_the_wild	report.attribute / adversary.attribute / malware.attribute	Exploitation: In the Wild	.publish_date	false	N/A
.zero_day	report.attribute / adversary.attribute / malware.attribute	Exploitation: Zero Day	.publish_date	false	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.

Mandiant Intelligence Reports

METRIC	RESULT
Run Time	5 minutes
Reports	480
Report Attributes	6,950
Adversaries	53
Adversary Attributes	1,860
Indicators	1,355
Indicator Attributes	6,348
Malware	149
Malware Attributes	5,945

Known Issues / Limitations

- MITRE ATT&CK attack patterns must have already been ingested by a previous run of the MITRE ATT&CK feeds in order for MITRE ATT&CK attack patterns extracted from a report's Executive Summary to be related to the report. MITRE ATT&CK attack patterns are ingested from the following feeds:
  - MITRE Enterprise ATT&CK
  - MITRE Mobile ATT&CK
  - MITRE PRE-ATT&CK

Change Log

- **Version 1.1.3**
  - IP addresses, FQDNs and URLs are now ingested as indicators when parsed from a report
- **Version 1.1.2**
  - Updated the `response_content_type` for all Mandiant API requests.
  - Updated the method for retrieving Attack Patterns from the ThreatQ API.
- **Version 1.1.0**
  - Decreased the number of API Attack Patterns retrieved, per request, to prevent timeout errors.
- **Version 1.0.1**
  - Fixed an issue with the `Category` field that prevented users from installing the integration on ThreatQ version 4 instances.
- **Version 1.0.0**
  - Initial release