ThreatQuotient

ThreatFabric CDF User Guide

Version 1.0.0

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ThreatQ Supported

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Support Email: support@threatq.com
Support Web: https://support.threatq.com
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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.0
Compatible with ThreatQ Versions	>= 5.20.0
Support Tier	ThreatQ Supported

Introduction

ThreatFabric enables safe and frictionless online customer journeys by integrating industry-leading threat intel, behavioral analytics, malware threat detection, advanced device fingerprinting, and 10.000+ adaptive fraud indicators. ThreatFabric's Fraud Risk Suite provides banks with omni-channel (web and mobile) fraud visibility creating peace of mind in an age of ever-changing fraud.

The integration provides the following feeds:

- **ThreatFabric Samples** - returns information about the analysis of the different malware samples analyzed by ThreatFabric.
- **ThreatFabric Malware Families** - returns information about the different malware families tracked by ThreatFabric.
- **ThreatFabric Malware Variants** - returns information about the different malware variants tracked by ThreatFabric.

The integration ingests the following system objects:

- Indicators
- Malware

Prerequisites

The following is required to run the integration:

- A ThreatFabric API Key

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
6. 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.

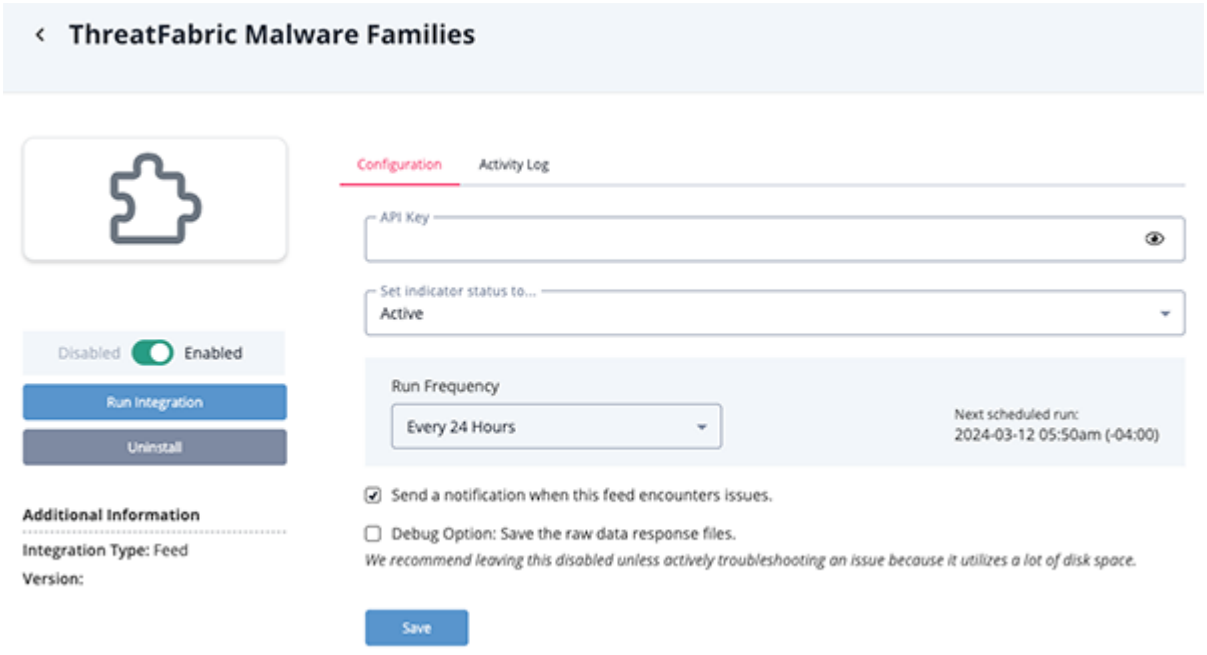
To configure the integration:

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 parameter under the **Configuration** tab:

PARAMETER	DESCRIPTION
API Key	Your ThreatFabric API Key.



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

ThreatFabric Samples

The ThreatFabric Samples feed returns information about the analysis of the different malware samples analyzed by ThreatFabric.

`GET https://api.mti.threatfabric.net/v0/samples`

Sample Response:


```
{
  "before":
"eyJ0eXBlIjowLCJib3VuZGFyeSI6IjIwMjQtMDItMjdUMDg6NDk6NTguMjYxWiIsIm9yaWdpbmFsUX
VlcnkiOnsiZnJvbURhdGUiOiIyMDI0LTAxLTAxVDAwOjAwOjAwLjAwMFoiLCJwYWdlU2l6ZSI6NTAsI
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  "after":
"eyJ0eXBlIjoxLCJib3VuZGFyeSI6IjIwMjQtMDItMjdUMDI6NTI6NDcuMzYxWiIsIm9yaWdpbmFsUX
VlcnkiOnsiZnJvbURhdGUiOiIyMDI0LTAxLTAxVDAwOjAwOjAwLjAwMFoiLCJwYWdlU2l6ZSI6NTAsI
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  "hasAfter": true,
  "results": [
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      "data": {
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          "sha256":
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5Ki7Bh6PXahsb6f3w:cW67yOZGzueAP9u1ydbqw"
        },
        "uploadDate": "2024-02-27T07:19:09.323Z",
        "lastModifiedDate": "2024-02-27T07:20:13.456Z",
        "analysis": {
          "static": {
            "estimatedBuildDate": "2024-02-27T06:13:44.000Z"
          }
        }
      }
    }
  ]
}
```

Samples Get Details (Supplemental)

`GET https://api.mti.threatfabric.net/v0/samples/{{id}}/details`

Sample Response:


```
{
   "id":"35a572736e9984c4110f6e93d3b2098cce518617b16d209f22ea2a534d8f6733",
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         "sha1":"9f3fddc26443d62b5464dbde3d2fc611d49f5bcb",

"sha256":"35a572736e9984c4110f6e93d3b2098cce518617b16d209f22ea2a534d8f6733",
         "ssdeep":"196608:6TNAru3rW7zkxUTHHaG1duJ4TCPP9ab/
5Ki7Bh6PXahsb6f3w:cW67yOZGzueAP9u1ydbqw"
      },
      "size":9572693,
      "uploadDate":"2024-02-27T07:19:09.323Z",
      "lastModifiedDate":"2024-02-28T00:08:19.206Z",
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         "versionName":"7.94.25.16",
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         "platformBuildVersionName":"11",
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            },
            {
               "name":"android.permission.SET_WALLPAPER"
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            "targetSdkVersion":29
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            "largeHeap":true,
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            "supportsRtl":true,
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            "usesCleartextTraffic":true,
            "activities":[
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                              "name":"android.intent.action.MAIN"
                           }
                        ],
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                           }
                        ],
                        "data":[
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"value":"vyaiifodglriyasmwodajlwgwlzjsfzqjvctndhfmmjbgazenj69"
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      },
      "icons":[
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"sha256":"caf6967857b507af851673df0bed433a249d037d8a72dc82e2d80de09b9ccb9a"
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      "signerCertificates":[
         {
            "hashes":{
               "md5":"1900bbfba756edd3419022576f3814ff",
               "sha1":"b79df4a82e90b57ea76525ab7037ab238a42f5d3",

"sha256":"465983f7791f2abeb43ea2cbdc7f21a8260b72bc08a55c839fc1a43bc741a81e"
            },
            "publicKey":{
               "md5":"351c600fb6eff769319191988892596f",
               "sha1":"1089ed3e98120f39920711b17c857969a7b6cea7",

"sha256":"091377d6fd00e4e217b750571d45cbe1a32c7fa74075138fc529fdf162b5416f"
            },
            "issuerDN":{
               "C":"US",
               "CN":"Android",
               "E":"android@android.com",
               "L":"Mountain View",
               "O":"Android",
               "OU":"Android",
               "ST":"California"
```

```
            },
            "subjectDN":{
               "C":"US",
               "CN":"Android",
               "E":"android@android.com",
               "L":"Mountain View",
               "O":"Android",
               "OU":"Android",
               "ST":"California"
            },
            "serial":"00f2b98e6123572c4e",
            "signatureAlgorithm":"MD5withRSA",
            "notBefore":"2008-04-15T23:40:57.000Z",
            "notAfter":"2035-09-01T23:40:57.000Z"
         }
      ],
      "analysis":{
         "static":{
            "estimatedBuildDate":"2024-02-27T06:13:44.000Z",
            "targets":[
            ]
         },
         "classification":{
            "startDate":"2024-02-27T07:20:10.438Z",
            "endDate":"2024-02-27T07:20:12.406Z",
            "match":{
               "id":"6329b55a64071624c467306a",
               "updatedAt":"2024-01-25T14:13:03.633Z",
               "objectType":"Variant",
               "name":"SpyNote.D",
               "report":"64fb32e56251ddbdee137039",
               "aliases":[
                  "CraxsRat"
               ],
               "types":[
                  "RAT",
                  "Spyware"
               ],
               "family":"SpyNote",
               "familyAliases":[
               ],
               "capabilities":[
                  "Remote access",
                  "Updatable",
                  "Emulation detection",
                  "App termination",
                  "Preventing removal",
                  "Accessibility actions",
                  "Application listing",
                  "Contact list collection",
```

```
                  "Device info collection",
                  "Picture making",
                  "SMS listing",
                  "Sound recording",
                  "Screenshots grabbing",
                  "Keylogging"
               ],
               "firstSeen":"2022-09-19T12:43:00.000Z"
            }
         },
         "host":{
            "hosts":[
               {
                  "startDate":"2024-02-27T07:19:27.211Z",
                  "endDate":"2024-02-27T07:20:07.631Z",
                  "name":"paytm.com",
                  "domains":[
                     "paytm.com"
                  ],
                  "ips":[
                     "172.65.64.50",
                     "172.65.64.51"
                  ],
                  "dnsRecords":[
                     {
                        "name":"paytm.com",
                        "type":"A",
                        "ttl":60,
                        "data":"172.65.64.50"
                     }
                  ],
                  "whoisRecord":null,
                  "urls":[
                     "https://paytm.com/%3EBlank%3E!
phonepe%3Ewww.phonepe.com%3EBlank%3E!googlepay%3Ewww.googlepay.com%3EBlank%3E!"
                  ],
                  "isWhitelisted":false,
                  "isC2":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
.result[].hashes.sha256	Indicator.Value	SHA-256	result[].uploadDate	35a572736e9984c41 10f6e93d3b2098cce 518617b16d209f22e a2a534d8f6733	N/A
result[].hashes.md5	Related.Indicator.Value	MD5	result[].uploadDate	5fcd17472765f46d1 693da1f8eb35e70	N/A
result[].hashes.sha1	Related.Indicator.Value	SHA-1	result[].uploadDate	9f3fddc26443d62b54 64dbde3d2fc611d49f 5bcb	N/A
result[].hashes.ssdeep	Related.Indicator.Value	Fuzzy Hash	result[].uploadDate	196608:6TNAru3rW7z kxUTHHaG1duJ4TCPP9 ab/ 5Ki7Bh6PXahsb6f 3w:cW67yOZGzueAP9u 1ydbqw	N/A
result[].analysis.host.hosts[].name	Related.Indicator.Value	FQDN	result[].uploadDate	paytm.com"	N/A
result[].analysis.host.hosts[].isWhitelisted	Related.Indicator.Attribute	Is Whitelisted	result[].uploadDate	False	N/A
result[].analysis.host.hosts[].urls	Related.Indicator.Value	URL	result[].uploadDate	https://paytm.com/%3EBlank%3E! phonepe%3E www.phonepe.com%3EBlank%3E! googlepay%3Eww.googlepay.com%3EBlank%3E!	N/A
result[].analysis.host.hosts[].ips	Related.Indicator.Value	IP Address	result[].uploadDate	172.65.64.50	N/A
result[].analysis.host.hosts[].ips	Related.Indicator.Value	IP Address	result[].uploadDate	172.65.64.50	N/A
result[].manifest.versionName	Indicator.Attribute	Package Version	result[].uploadDate	7.94.25.16	N/A
result[].manifest.package	Indicator.Attribute	Package Name	result[].uploadDate	surfing.destiny.differential	N/A
result[].manifest.usesPermissions[].name	Indicator.Attribute	Uses Permissions	result[].uploadDate	android.permission.SEND_SMS	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
result[].manifest.application.label	Indicator.Attribute	Application Label	result[].uploadDate	Data Entry App	N/A
result[].manifest.application.name	Indicator.Attribute	Application Name	result[].uploadDate	surfing.destiny.zrbye yumuscgbzggtyacyogdwf vdxkajuwirucnlqojbwat ybv2.vyaiifodglriyasm wodajlwgwlzjsfzqjvctndhfmmjbgazenj6GmXfz89	N/A
result[].analysis.classification.match.name	Related.Malware	N/A	result[].analysis.classification.match.updatedAt	SpyNote.D	N/A
result[].analysis.classification.match.types	Related.Malware.Attribute	Malware Types	result[].analysis.classification.match.updatedAt	Spyware	N/A
result[].analysis.classification.match.capabilities	Related.Malware.Attribute	Malware Capabilities	result[].analysis.classification.match.updatedAt	Remote access	N/A
result[].analysis.classification.match.family	Related.Malware	N/A	result[].analysis.classification.match.updatedAt	SpyNote	N/A

ThreatFabric Malware Families

The ThreatFabric Malware Families feed returns information about the analysis of the different malware families analysed by ThreatFabric.

`https://api.mti.threatfabric.net/malware/families`

Sample Response:


```
{
   "hasBefore":false,
   "hasAfter":true,
   "after":"W251bGwseyIkb2lkIjoiNjQxMzQzMjRkNjk1NTIyM2JjOGJmZTM3In1d",
   "result":[
      {
         "id":"65d49563b236572ab70c415e",
         "name":"Monitorultra",
         "aliases":[
         ],
         "description":"Commercial Spyware: Monitor-Ultra",
         "createdAt":"2024-02-20T12:04:51.081Z",
         "updatedAt":"2024-02-20T12:04:51.081Z"
      },
      {
         "id":"65cf3e006e1ac29d18b21011",
         "name":"Maqobanko",
         "aliases":[
         ],
         "description":"Fake apps that targets Uzbekistan and Russian users,
that can perform both Spyware and Banker activity.",
         "createdAt":"2024-02-16T10:50:40.716Z",
         "updatedAt":"2024-02-16T10:50:44.905Z"
      }
   ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`result[].name`	Malware.Value	N/A	`result[].createdAt`	`Maqobanko`	N/A
`result[].description`	Malware.Description	N/A	`result[].createdAt`	`Fake apps that targets Uzbekistan and Russian users, that can perform both Spyware and Banker activity.`	N/A

ThreatFabric Malware Variants

High-level summary of what info the feed does

`GET https://api.mti.threatfabric.net/malware/variants`

Sample Response:


```
{
  "hasBefore": false,
  "hasAfter": true,
  "after": "W251bGwseyIkb2lkIjoiNjRhODE0MTQ2NjE4NWRiOTFlMDlhZjQ0In1d",
  "result": [
    {
      "id": "65d88c5693c1aca61cc9621f",
      "name": "Maqobanko.B",
      "aliases": [
      ],
      "description": "Fake Financial and productivity apps with capability to
perform both Spyware and Banker activity targeting Uzbekistan users",
      "family": "65cf3e006e1ac29d18b21011",
      "descendantOf": [
      ],
      "firstSeen": "2024-01-07T15:28:00.000Z",
      "timeline": [
      ],
      "types": [
        "5dbaaa06e324d9591259ddff",
        "5d81e57e784972a76b94b40b"
      ],
      "capabilities": [
        "5f2a8bf53db9c82e50e01412",
        "5f2a8be407fc5a79b61b2b46"
      ],
      "createdAt": "2024-02-23T12:15:18.107Z",
      "updatedAt": "2024-02-23T12:15:18.107Z"
    },
    {
      "id": "65d495d0576b6b0c5e73d2ed",
      "name": "Monitorultra.A",
      "aliases": [
      ],
      "description": "Commercial Spyware: Monitor-Ultra",
      "family": "65d49563b236572ab70c415e",
      "descendantOf": [
      ],
      "firstSeen": "2024-02-17T14:07:00.000Z",
      "timeline": [
      ],
      "types": [
```

```
        "5dbc2142e324d957dc59dee7",
        "5dbaaa06e324d9591259ddff"
      ],
      "capabilities": [
        "5ef1fda44c881025e52413b2",
        "5dbaba6ce324d93e9e59de30"
      ],
      "createdAt": "2024-02-20T12:06:40.564Z",
      "updatedAt": "2024-02-20T12:06:40.564Z"
    }
  ]
}
```

Get Result (Supplemental)

`GET https://api.mti.threatfabric.net/malware/families/{{result[].family}}`

Sample Response:

```
{
   "id":"65cf3e006e1ac29d18b21011",
   "name":"Maqobanko",
   "aliases":[
   ],
   "description":"Fake apps that targets Uzbekistan and Russian users, that can perform both Spyware and Banker activity.",
   "createdAt":"2024-02-16T10:50:40.716Z",
   "updatedAt":"2024-02-16T10:50:44.905Z"
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`result[].name`	Malware.Value	N/A	`result[].createdAt`	`Maqobanko.B`	N/A
`result[].description`	Malware.Description	N/A	`result[].createdAt`	`Fake Financial and productivity apps with capability to perform both Spyware and Banker activity targeting Uzbekistan users.`	N/A
`result[].name`	Malware.Attribute	Malware Family	`result[].createdAt`	`Maqobanko`	N/A
`result[].name`	Related.Malware.Value	N/A	`result[].createdAt`	`Maqobanko`	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.

ThreatFabric Samples

METRIC	RESULT
Run Time	1 minute
Indicators	959
Indicator Attributes	3,408
Malware	22
Malware Attributes	181

ThreatFabric Malware Families

METRIC	RESULT
Run Time	1 minute
Malware	50

ThreatFabric Malware Variants

METRIC	RESULT
Run Time	1 minute
Malware	88
Malware Attributes	50

Change Log

- **Version 1.0.0**
  - Initial release