ThreatQuotient

TeamT5 ThreatVision Operation User Guide

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Support

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

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

The TeamT5 ThreatVision Operation enables the enrichment of IOCs in ThreatQ using the TeamT5 ThreatVision API.

TeamT5's ThreatVision is a customer-engaged threat intelligence platform that provides real-time alerts, technical data, OSINT analysis, and in-depth APT investigations.

The operation provides the following action:

- **Enrich** - enriches an indicator with context from ThreatVision.

The operation is compatible with the following indicator types:

- IP Address
- FQDN
- MD5
- SHA-1
- SHA-256

Prerequisites

The following is required in order to use the operation:

- A ThreatVision License and API Key. ThreatVision API Keys can be generated from `My Account -> API` in the ThreatVision Portal.

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

The operation is now installed and will be displayed in the ThreatQ UI. You will still need to configure and then enable the operation.

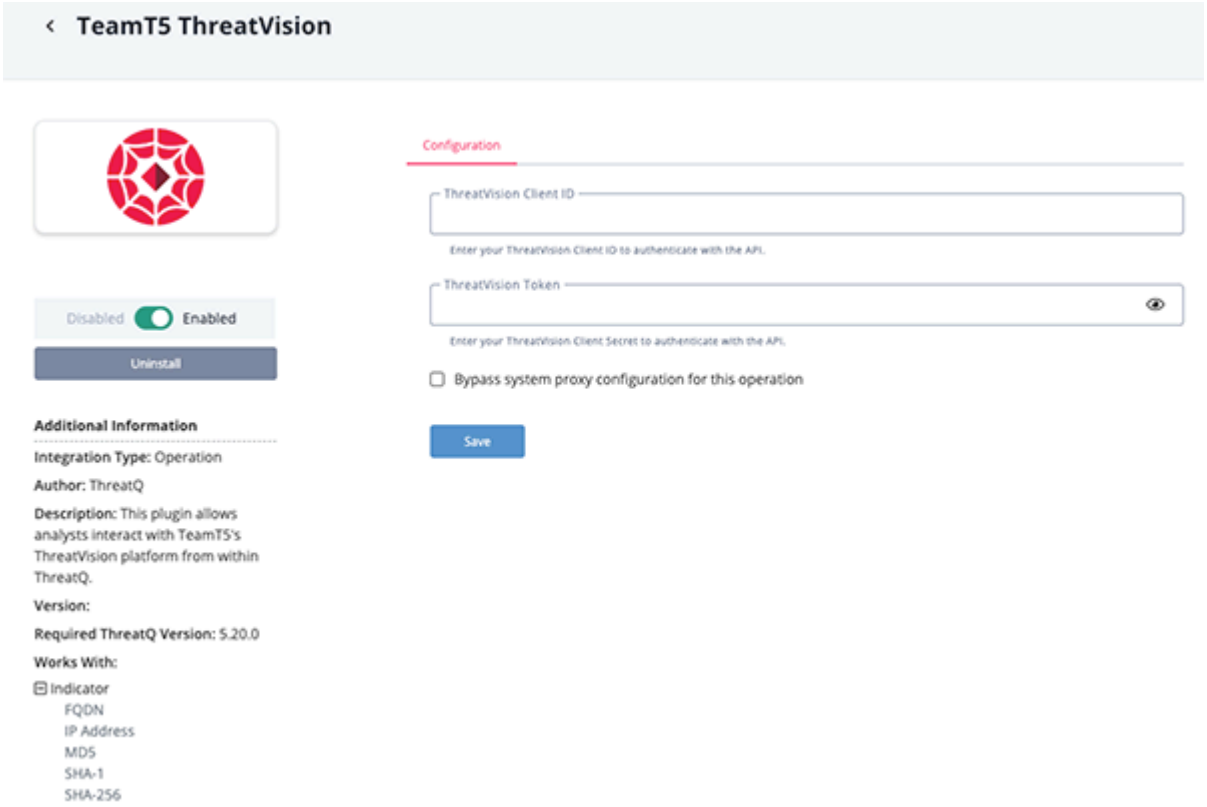
Configuration

> 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 **Operation** option from the *Type* dropdown (optional).
3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

PARAMETER	DESCRIPTION
ThreatVision Client ID	Enter your ThreatVision Client ID to authenticate with the API.
ThreatVision Token	Enter your ThreatVision Client Secret to authenticate with the API.



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.

Actions

The operation provides the following action:

ACTION	DESCRIPTION	OBJECT TYPE	OBJECT SUBTYPE
Enrich	Enriches an IOC with context from ThreatVision.	Indicator	IP Address, FQDN, MD5, SHA-1, SHA-256

Enrich

The Enrich action enriches an IOC with context from ThreatVision. Network IOCs will be enriched using the ITM module's API, and sample IOCs will be enriched using the sample information API.

Sample IOCs (MD5, SHA-1, SHA-256)

`GET https://api.threatvision.org/api/v1/samples/{hash}`

Sample Response:


```
{
  "success": true,
  "sample": {
    "sha256":
"05ff897f430fec0ac17f14c89181c76961993506e5875f2987e9ead13bec58c2",
    "md5": "0b4ad1bd093e0a2eb8968e308e900180",
    "sha1": "ec9d8f323d6a93e3fb83fb263d5aa291e16e9414",
    "crc32": "8D8955A2",
    "tlshash":
"d934e0273b8704b9cc0745301f392ba2c2f5cd357564eff6ef612629b6b02a593466a3",
    "ssdeep":
"6144:mEpkFdqGIh+djouPq4GhJQSjZ70XMfigah+BQcsmU:mEGdBIh+djou5Sl77fXaoyRD",
    "risk_level": "middle",
    "adversaries": [],
    "malwares": [],
    "file_type": "Win32 EXE",
    "size": 239207,
    "tlp": "green",
    "first_seen": 1569479863,
    "meta_timestamp": 1258347628,
    "auto_analysis": {
      "cuckoo": {
        "last_succeed_at": 1667324118
      },
      "vt_hunt": {
        "last_succeed_at": 1681763527
      },
      "vt_info": {
        "last_succeed_at": 1679324791
      },
      "filetype": {
        "last_succeed_at": 1681322450
      },
      "file_hash": {
        "last_succeed_at": 1667320062
      },
      "pe_file": {
        "last_succeed_at": 1667320071
```

```
      },
      "yara_scan": {
        "last_succeed_at": 1681322439
      },
      "exiftool": {
        "last_succeed_at": 1667320074
      },
      "triage": {
        "last_succeed_at": 1667344003
      }
    },
    "related_samples": [
      {
        "sha256":
"f8f00900edba2f64bf136dd0b6c83caf07c72f24f3d49c78b7ea24757fdbc6d0",
        "md5": "cc09bb7fdefc5763ccb3cf7dae2d76cf",
        "file_type": "WIN32_EXE",
        "file_name": "MsMpEng.exe",
        "relations": "Drops",
        "first_seen": 1554365195,
        "url": "https://api.threatvision.org/samples/
f8f00900edba2f64bf136dd0b6c83caf07c72f24f3d49c78b7ea24757fdbc6d0"
      },
      {
        "sha256":
"4fd36f2631619171ec2b9e9d77736863376fa7d5bc57396672e10b71c1e10a00",
        "md5": "3e32c3f66a7c55514986ae5e5eacac61",
        "file_type": "WIN32_DLL",
        "file_name": "MpSvc.dll",
        "relations": "Drops",
        "first_seen": 1554365883,
        "url": "https://api.threatvision.org/samples/
4fd36f2631619171ec2b9e9d77736863376fa7d5bc57396672e10b71c1e10a00"
      },
      {
        "sha256":
"69a2af9db0896cee2bdeeabb1f142f903f6e73f0b83802d2b3e58f166bb96cce",
        "md5": "b865a3233f8e3679e9f05582d202ee42",
        "file_type": "NOT_IN_LIST",
        "file_name": "readme.txt",
        "relations": "Drops",
        "first_seen": 1568635112,
        "url": "https://api.threatvision.org/samples/
69a2af9db0896cee2bdeeabb1f142f903f6e73f0b83802d2b3e58f166bb96cce"
      },
      {
        "sha256":
"e9400fbb11466b75c81b5a7306882920b6cc93070fe5fd167200c912cd7cdde1",
        "md5": "a12478184ae63fed7a389f6f89247cb3",
        "file_type": "UNKNOWN",
```

```
        "file_name": "7A848931",
        "relations": "Drops",
        "first_seen": 1626746301,
        "url": "https://api.threatvision.org/samples/
e9400fbb11466b75c81b5a7306882920b6cc93070fe5fd167200c912cd7cdde1"
      },
      {
        "sha256":
"40d72be41378845355b560e00db1f974eb7fdbf6288fd54cc15dda963920d0e9",
        "md5": "f8e9de7b8169db20377325d0497dd90d",
        "file_type": "WIN32_DLL",
        "file_name": null,
        "relations": "Drops",
        "first_seen": 1667343945,
        "url": "https://api.threatvision.org/samples/
40d72be41378845355b560e00db1f974eb7fdbf6288fd54cc15dda963920d0e9"
      }
    ],
    "virus_total": {
      "file_type": null,
      "tags": ["peexe", "overlay", "self-delete", "executes-dropped-file"],
      "itw_filenames": [
        "0b4ad1bd093e0a2eb8968e308e900180.virobj",
        "C:\\Program Files (x86)\\install.exe",
        "G:\\extract\\2021\\samples\\exe32\
\virussign.com_0b4ad1bd093e0a2eb8968e308e900180.vir"
      ],
      "positive": "58/73",
      "first_seen": 1569479382,
      "last_seen": 1660649947
    },
    "cuckoo_sandbox": {
      "network": [
        "systeminfothai.gotdns.ch",
        "sysnc.sytes.net",
        "linuxdns.sytes.net"
      ],
      "mutexes": ["Global\\BB6cmqyHzy8kkcJ"],
      "self_copy": [],
      "screenshot": [
        "https://api.threatvision.org/samples/
05ff897f430fec0ac17f14c89181c76961993506e5875f2987e9ead13bec58c2/screenshots/
1",
        "https://api.threatvision.org/samples/
05ff897f430fec0ac17f14c89181c76961993506e5875f2987e9ead13bec58c2/screenshots/
2",
        "https://api.threatvision.org/samples/
05ff897f430fec0ac17f14c89181c76961993506e5875f2987e9ead13bec58c2/screenshots/3"
      ]
    },
```

```
    "microsoft_office_meta": {
      "author": null,
      "code_page": null,
      "ole_path": [],
      "samba_strings": null,
      "created_at": null,
      "updated_at": null
    },
    "email_info": {
      "from": null,
      "to": null,
      "subject": null,
      "header": {
        "sender": null,
        "sender_ip": null,
        "received": null
      },
      "attachments": [],
      "html_object_tags": null
    },
    "file_names": [
      "DownloadFiles.exe"
    ],
    "file_paths": [
      "C:\\Program Files (x86)\\install.exe",
      "G:\\extract\\2021\\samples\\exe32\
\virussign.com_0b4ad1bd093e0a2eb8968e308e900180.vir"
    ]
  }
}
```


ThreatQuotient provides the following default mapping for this action:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.sample.sha256`	Indicator.Value	SHA-256	N/A	`05ff897f430fec0ac17f14c89181c769619935066e5875f2987e9ead13bec58c2`	N/A
`.sample.sha1`	Indicator.Value	SHA-1	N/A	`ec9d8f323d6a93e3fb83fb263d5aa291e16e9414`	N/A
`.sample.md5`	Indicator.Value	MD5	N/A	`0b4ad1bd093e0a2eb8968e308e900180`	N/A
`.sample.risk_level`	Indicator.Attribute	Risk Level	N/A	`Medium`	Mapped to a standardized value using table `Risk Level Mapping`
`.sample.first_seen`	Indicator.Attribute	First Seen	N/A	`2019-09-26 06:37:43`	Converted from seconds to a timestamp

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.sample.adversaries[]`	Indicator.Attribute	Related Adversary	N/A	N/A	N/A
`.sample.malwares[]`	Indicator.Attribute	Malware Family	N/A	N/A	N/A
`.sample.file_type`	Indicator.Attribute	File Type	N/A	`Win32 EXE`	N/A
`.sample.tlp`	Indicator.Attribute	TLP	N/A	`green`	N/A
`.sample.file_names[]`	Indicator.Value	Filename	N/A	`DownloadFiles.exe`	File extensions `.vir` and `virobj` are ignored.
`.sample.file_paths[]`	Indicator.Value	File Path	N/A	`C:\\Program Files (x86)\ \install.exe`	N/A
`.sample.virus_total.tags[]`	Indicator.Attribute	Tag	N/A	`peexe`	CVE tags are ignored
`.sample.virus_total.tags[]`	Related Indicator.Value	CVE	N/A	`CVE-2023-17232`	CVE tags only
`.sample.virus_total.positive`	Indicator.Attribute	Detection Rate	N/A	`17/73`	N/A
`.sample.virus_total.itw_urls[]`	Related Indicator.Value	URL	N/A	N/A	N/A
`.sample.virus_total.itw_filenames[]`	Related Indicator.Value	Filename/File Path	N/A	`G:\\extract\ \2021\\samples\\exe32\ \virussign.com_0b4ad1bd093e0a2eb8968e3 08e900180.vir`	N/A
`.sample.cuckoo_sandbox.network[]`	Related Indicator.Value	IP Address/URL/FQDN	N/A	`systeminfothai.gotdns.ch`	N/A
`.sample.cuckoo_sandbox.mutexes[]`	Related Indicator.Value	Mutex	N/A	`Global\ \BB6cmqyHzy8kkcJ`	N/A
`.sample.related_samples[].sha256`	Related Indicator.Value	SHA-256	N/A	`f8f00900edba2f64bf136dd0 b6c83caf07c72f24f3d49c78b 7ea24757fdbc6d0`	N/A
`.sample.related_samples[].md5`	Related Indicator.Value	MD5	N/A	`cc09bb7fdefc5763ccb3cf7dae2d76cf`	N/A
`.sample.related_samples[].file_name`	Related Indicator.Value	Filename	N/A	`MsMpEng.exe`	N/A
`.sample.related_samples[].file_type`	Related Indicator.Attribute	File Type	N/A	`WIN32_EXE`	N/A

Risk Level Mapping

ThreatQuotient provides the following risk level mapping.

TEAMT5 THREATVISION VALUE	THREATQ VALUE
undetected	Undetected
unknown	Unknown
low	Low
middle	Medium
high	High

Network IOCs

The operation will use different endpoints depending on if the given network IOC has related samples.

Network IOCs Summary

`GET https://api.threatvision.org/api/v1/network/ips/{ip}/summary` `GET https://api.threatvision.org/api/v1/network/domains/{domain}/summary`

Sample Response:


```
{
  "success": true,
  "analysis_status": true,
  "risk_score": 0,
  "risk_types": ["other"],
  "location": "",
  "adversaries": [],
  "attributes": [
    {
      "name": "Malware C2",
      "first_seen": "2022-12-15T15:34:06.071Z",
      "last_seen": "2023-04-14T05:54:22.454Z"
    }
  ],
  "services": [],
  "summary": {
    "whois": false,
    "related_adversaries": 0,
    "related_reports": 0,
    "related_samples": 10,
    "dns_records": 6,
    "osint": 0
  }
}
```


Network IOCs with Samples

If a given network IOC has related samples, they will be fetched using the following API:

`GET https://api.threatvision.org/api/v1/network/ips/{ip}/summary` `GET https://api.threatvision.org/api/v1/network/domains/{domain}/summary`

Sample Response:


```
{
  "success": true,
  "analysis_status": true,
  "samples": [
```

```
    {
      "sha256":
"3252345b2640efc44cdd98667dbd25806ee2316d1e01eec488fd678e885aa960",
      "md5": "8f106544bfd4755d17a353064666426a",
      "adversaries": [],
      "malwares": [],
      "filename": null,
      "risk_level": "middle",
      "network_activity": true,
      "seen": false,
      "url": "https://api.threatvision.org/samples/
3252345b2640efc44cdd98667dbd25806ee2316d1e01eec488fd678e885aa960"
    }
  ]
}
```


ThreatQuotient provides the following default mapping for this action:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.risk_score`	Indicator.Attribute	Risk Score	N/A	`45`	N/A
`.risk_types[]`	Indicator.Attribute	Risk Type	N/A	`Cyber Espionage`	N/A
`.location`	Indicator.Attribute	Location	N/A	`Richardson, United States of America`	N/A
`.attributes[].name`	Indicator.Attribute	Label	N/A	`Malware C2`	N/A
`.adversaries[]`	Indicator.Attribute	Related Adversary	N/A	N/A	N/A
`.summary.related_samples[].sha256`	Related Indicator.Value	SHA-256	N/A	`3252345b2640efc44cdd98667dbd25806ee2316d1e01eec488fd678e885aa960`	N/A
`.summary.related_samples[].md5`	Related Indicator.Value	MD5	N/A	`8f106544bfd4755d17a353064666426a`	N/A
`.summary.related_samples[].adversaries[]`	Related Indicator.Attribute	Related Adversary	N/A	N/A	N/A
`.summary.related_samples[].malwares[]`	Related Indicator.Attribute	Malware Family	N/A	N/A	N/A
`.summary.related_samples[].filename`	Related Indicator.Value	Filename	N/A	N/A	N/A
`.summary.related_samples[].risk_level`	Related Indicator.Attribute	Risk Level	N/A	`Medium`	Mapped to a standardized value using table `Risk Level Mapping`

Known Issues / Limitations

- Due to platform limitations for Indicators of type IP or FQDN an attribute is added to a related sample only if it has a value for all the entries. In other words, if a column has values for all the entries, but one, that column will not be added as an attribute.

Change Log

- **Version 1.0.0**
  - Initial release