

# ThreatQuotient



## MITRE ATT&CK CDF

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# Support

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

**Support Email:** [support@threatq.com](mailto:support@threatq.com)

**Support Web:** <https://support.threatq.com>

**Support Phone:** 703.574.9893

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ThreatQuotient strives to ensure all ThreatQ Supported integrations will work with the current version of ThreatQuotient software at the time of initial publishing. This applies for both Hosted instance and Non-Hosted instance customers.



ThreatQuotient does not provide support or maintenance for integrations, apps, or add-ons published by any party other than ThreatQuotient, including third-party developers.

# Integration Details

ThreatQuotient provides the following details for this integration:

|                                  |                   |
|----------------------------------|-------------------|
| Current Integration Version      | 1.1.0             |
| Compatible with ThreatQ Versions | >= 4.19.0         |
| Support Tier                     | ThreatQ Supported |

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# Introduction

The MITRE ATT&CK CDF integration provides feeds to ingest content from the MITRE Enterprise, Mobile, and ICS ATT&CK collections.

The CDF provides the following feeds:

- **MITRE Enterprise ATT&CK** - retrieves the content of the Enterprise ATT&CK collection. It retrieves a list of adversaries, intrusion set, course of actions, malware objects, attack partners and tools, along with their attributes.
- **MITRE Mobile ATT&CK** - retrieves the content of the Mobile ATT&CK collection. It retrieves a list of adversaries, intrusion set, course of actions, malware objects, attack partners and tools, along with their attributes.
- **MITRE ICS ATT&CK** - retrieves the content of the ICS ATT&CK collection. It retrieves a list of adversaries, intrusion set, campaigns, course of actions, malware objects, attack patterns and tools, along with their attributes.

The integration ingests the following system objects:

- Adversaries / Intrusion Sets
  - Adversary /Intrusion Set Attributes
- Attack Patterns
  - Attack Pattern Attributes
- Campaigns
- Course of Action
  - Course of Action Attributes
- Malware
  - Malware Attributes
- Tools
  - Tool Attributes

# 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 individual feeds to install, when prompted, and then click **Install**.



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.

The feed(s) will be added to the integrations page. You will still need to [configure and then enable](#) the feed(s).

# 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                                                                                                                                                                                                        |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enable SSL Certificate Verification</b> | Enable or disable verification of the server's SSL certificate.                                                                                                                                                    |
| <b>Host CA</b>                             | Enter your base64 PEM encoded CA Certificate bundle to verify against the provider's SSL. You can leave this field blank if you did not enable the Verify SSL option listed above.                                 |
| <b>Disable Proxies</b>                     | Enable this option if the feed should not honor proxies set in the ThreatQ UI.                                                                                                                                     |
| <b>Save Intrusion Set as</b>               | MITRE provides Threat Actor data as Intrusion Sets. Select how you will save the information. Options include: <ul style="list-style-type: none"> <li>◦ Adversaries (default)</li> <li>◦ Intrusion Sets</li> </ul> |



MITRE ICS ATT&CK

Disabled ☒ Enabled

Run Integration

Uninstall

Additional Information

Integration Type: Feed

Version:

Configuration

Activity Log

☐ Enable SSL Certificate Verification

If true, specifies that this feed should verify SSL connections with the provider.

Host CA Certificate

☒ Disable Proxies

If true, specifies that this feed should not honor any proxies setup in ThreatQuotient.

Save Intrusion Sets As

Intrusion Sets

MITRE provides Threat Actor data as Intrusion Sets. ThreatQuotient recommends mapping this data to ThreatQ Adversaries in order to create a consolidated profile.

Set indicator status to...

Active

Run Frequency

Every 24 Hours

Next scheduled run:  
12/17/2024 03:07pm

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

All feeds access the same endpoint, <https://attack-taxii.mitre.org/taxii2/>, each requesting the content of a specific collection.

## MITRE Enterprise ATT&CK

The MITRE Enterprise ATT&CK feed retrieves the content of the Enterprise ATT&CK collection. It retrieves a list of adversaries, intrusion set, course of actions, malware objects, attack partners and tools, along with their attributes.

### Sample Response:

```
{
  "objects": [
    {
      "created": "2021-10-08T14:06:28.212Z",
      "created_by_ref": "identity--c78cb6e5-0c4b-4611-8297-d1b8b55e40b5",
      "description": "Adversaries may downgrade or use a version of system features that may be outdated, vulnerable, and/or does not support updated security controls..",
      "external_references": [
        {
          "external_id": "T1562.010",
          "source_name": "mitre-attack",
          "url": "https://attack.mitre.org/techniques/T1562/010"
        },
        {
          "description": "Falcon Complete Team. (2021, May 11). Response When Minutes Matter: Rising Up Against Ransomware. Retrieved October 8, 2021.",
          "source_name": "CrowdStrike BGH Ransomware 2021",
          "url": "https://www.crowdstrike.com/blog/how-falcon-complete-stopped-a-big-game-hunting-ransomware-attack/"
        }
      ],
      "id": "attack-pattern--824add00-99a1-4b15-9a2d-6c5683b7b497",
      "kill_chain_phases": [
        {
          "kill_chain_name": "mitre-attack",
          "phase_name": "defense-evasion"
        }
      ],
      "modified": "2021-10-15T00:48:06.723Z",
      "name": "Downgrade Attack",
      "object_marking_refs": [
        "marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168"
      ],
    },
  ],
}
```

```

    "type": "attack-pattern",
    "x_mitre_data_sources": [
      "Command: Command Execution",
      "Process: Process Creation"
    ],
    "x_mitre_detection": "Monitor for commands or other activity that may be
indicative of attempts to abuse older or deprecated technologies (ex:
<code>powershell -v 2</code>). ",
    "x_mitre_is_subtechnique": true,
    "x_mitre_permissions_required": [
      "User"
    ],
    "x_mitre_platforms": [
      "Windows"
    ],
    "x_mitre_version": "1.0",
    "x_mitre_system_requirements": [
      "Some folders may require Administrator, SYSTEM or specific user
depending on permission levels and access controls"
    ],
    "x_mitre_is_subtechnique": true,
    "x_mitre_network_requirements": true
  }
]
}

```

ThreatQuotient provides the following default mapping for this feed:

| FEED DATA PATH                                                 | THREATQ ENTITY                                    | THREATQ<br>OBJECT TYPE<br>OR ATTRIBUTE<br>KEY | PUBLISHED DATE     | EXAMPLES                                                                                            | NOTES                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .objects[].external_references[].external_id - .objects[].name | Attack Pattern / Course Of Action / Malware.Value | N/A                                           | .objects[].created | T0803 - Block Command Message                                                                       | If .objects[].type is attack-pattern                                                                                                                                                                                                               |
| .objects[].name                                                | Adversary / Intrusion set / Malware.Value         | N/A                                           | .objects[].created | APT17                                                                                               | If .objects[].type is intrusion-set                                                                                                                                                                                                                |
| .objects[].description                                         | All objects.Description                           | N/A                                           | .objects[].created | Adversaries may block a command message from reaching..                                             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Attack Pattern.Attribute                          | Technique ID                                  | .objects[].created | T1546.009                                                                                           | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Related Adversary/ Intrusion Set.Attribute        | Group ID                                      | .objects[].created | G0034                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Course Of Action.Attribute                        | Mitigation ID                                 | .objects[].created | M1014                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Tool.Attribute                                    | Tool ID                                       | .objects[].created | S0298                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Malware.Attribute                                 | Malware ID                                    | .objects[].created | S0321                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].description                   | All objects.Attribute                             | External Reference                            | .objects[].created | Gregory Scasny. (2015, September 14). Understanding Open Source Intelligence (OSINT) ..             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].url                           | All objects.Attribute                             | External Reference                            | .objects[].created | <a href="https://attack.mitre.org/mitigations/M1009">https://attack.mitre.org/mitigations/M1009</a> | N/A                                                                                                                                                                                                                                                |
| .objects[].object_marking_refs                                 | All objects.Attribute                             | Statement Marking                             | .objects[].created | marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168                                            | If .objects[].external_references[].source_name is marking-definition. Used to filter in to obtain the marking definition (Copyright 2015-2021, The MITRE Corporation. MITRE ATT&CK and ATT&CK are registered trademarks of The MITRE Corporation. |
| .objects[].x_mitre_contributors[]                              | All objects.Attribute                             | Contributor                                   | .objects[].created | Dragos Threat Intelligence                                                                          | N/A                                                                                                                                                                                                                                                |
| .objects[].modified                                            | All objects.Attribute                             | Modified At                                   | .objects[].created | 2020-10-26T13:42:49.342Z                                                                            | N/A                                                                                                                                                                                                                                                |
| .objects[].x_mitre_deprecated                                  | All objects.Attribute                             | Deprecated                                    | .objects[].created | true                                                                                                | N/A                                                                                                                                                                                                                                                |
| .objects[].kill_chain_phases[].phase_name                      | Attack Pattern.Attribute                          | Tactic                                        | .objects[].created | Privilege Escalation                                                                                | N/A                                                                                                                                                                                                                                                |

| FEED DATA PATH                              | THREATQ ENTITY                                     | THREATQ<br>OBJECT TYPE<br>OR ATTRIBUTE<br>KEY | PUBLISHED DATE     | EXAMPLES                                                                                                                     | NOTES |
|---------------------------------------------|----------------------------------------------------|-----------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|-------|
| .objects[].x_mitre_difficulty_for_adversary | Attack Pattern.Attribute                           | Effective Permissions                         | .objects[].created | Administrator                                                                                                                | N/A   |
| .objects[].x_mitre_detection                | Attack Pattern.Attribute                           | Detection                                     | .objects[].created | Monitor DLL loads by processes, specifically looking for DLLs that are not recognized or not normally loaded into a process. | N/A   |
| .objects[].x_mitre_data_sources[]           | Attack Pattern.Attribute                           | Data Source                                   | .objects[].created | Command: Command Execution                                                                                                   | N/A   |
| .objects[].x_mitre_permissions_required[]   | Attack Pattern.Attribute                           | Permissions Required                          | .objects[].created | System                                                                                                                       | N/A   |
| .objects[].x_mitre_system_requirements      | Attack Pattern.Attribute                           | System Requirements                           | .objects[].created | Some Folders May Require Administrator, System Or Specific User Depending On Permission Levels And Access Controls           | N/A   |
| .objects[].x_mitre_defense_bypassed         | Attack Pattern.Attribute                           | Defense Bypassed                              | .objects[].created | Application Control                                                                                                          | N/A   |
| .objects[].x_mitre_effective_permissions[]  | Attack Pattern.Attribute                           | Effective Permissions                         | .objects[].created | Administrator                                                                                                                | N/A   |
| .objects[].x_mitre_network_requirements     | Attack Pattern.Attribute                           | Network Requirements                          | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].x_mitre_remote_support           | Attack Pattern.Attribute                           | Remote Support                                | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].x_mitre_platforms[]              | Attack Pattern / Tool / Malware.Attribute          | Platform                                      | .objects[].created | Android                                                                                                                      | N/A   |
| .objects[].revoked                          | Attack Pattern / Intrusion set / Malware.Attribute | Revoked                                       | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].aliases[]                        | Related Adversary/ Intrusion Set.Value             | Alias                                         | .objects[].created | Palmetto Fusion                                                                                                              | N/A   |
| .objects[].labels[]                         | Tool / Malware.Attribute                           | Label                                         | .objects[].created | tool                                                                                                                         | N/A   |

## MITRE Mobile ATT&CK

This feed retrieves the content of the Mobile ATT&CK collection. It retrieves a list of adversaries, intrusion set, course of actions, malware objects, attack partners and tools, along with their attributes.

### Sample Response:

```
{
  "objects": [
    {
      "created_by_ref": "identity--c78cb6e5-0c4b-4611-8297-d1b8b55e40b5",
      "x_mitre_version": "1.1",
      "external_references": [
        {
          "source_name": "mitre-attack",
          "url": "https://attack.mitre.org/groups/G0112",
          "external_id": "G0112"
        },
        {
          "source_name": "Bahamut",
          "description": "(Citation: SANS Windshift August 2018)"
        },
        {
          "url": "https://www.sans.org/cyber-security-summit/archives/file/summit-archive-1554718868.pdf",
          "source_name": "SANS Windshift August 2018",
          "description": "Karim, T. (2018, August). TRAILS OF WINDSHIFT. Retrieved June 25, 2020."
        }
      ],
      "object_marking_refs": [
        "marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168"
      ],
      "created": "2020-06-25T17:16:39.168Z",
      "id": "intrusion-set--afec6dc3-a18e-4b62-b1a4-5510e1a498d1",
      "aliases": ["Windshift", "Bahamut"],
      "modified": "2021-04-26T14:37:33.234Z",
      "type": "intrusion-set",
      "name": "Windshift",
      "description": "[Windshift](https://attack.mitre.org/groups/G0112) is a threat group that has been active since at least 2017..."
    }
  ]
}
```

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[].external_references[].external_id - .objects[].name | Attack Pattern / Course Of Action / Malware.Value | N/A                                  | .objects[].created | T0803 - Block Command Message                                                                       | If .objects[].type is attack-pattern                                                                                                                                                                                                               |
| .objects[].name                                                | Adversary / Intrusion set / Malware.Value         | N/A                                  | .objects[].created | APT17                                                                                               | If .objects[].type is intrusion-set                                                                                                                                                                                                                |
| .objects[].description                                         | All objects.Description                           | N/A                                  | .objects[].created | Adversaries may block a command message from reaching..                                             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Course Of Action.Attribute                        | Mitigation ID                        | .objects[].created | M1014                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Tool.Attribute                                    | Tool ID                              | .objects[].created | S0298                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Malware.Attribute                                 | Malware ID                           | .objects[].created | S0321                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Related Adversary/ Intrusion Set.Attribute        | Group ID                             | .objects[].created | G0034                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].description                   | All objects.Attribute                             | External Reference                   | .objects[].created | Gregory Scasny. (2015, September 14). Understanding Open Source Intelligence (OSINT) ..             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].url                           | All objects.Attribute                             | External Reference                   | .objects[].created | <a href="https://attack.mitre.org/mitigations/M1009">https://attack.mitre.org/mitigations/M1009</a> | N/A                                                                                                                                                                                                                                                |
| .objects[].modified                                            | All objects.Attribute                             | Modified At                          | .objects[].created | 2020-10-26T13:42:49.342Z                                                                            | N/A                                                                                                                                                                                                                                                |
| .objects[].object_marking_refs                                 | All objects.Attribute                             | Statement Marking                    | .objects[].created | marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168                                            | If .objects[].external_references[].source_name is marking-definition. Used to filter in to obtain the marking definition (Copyright 2015-2021, The MITRE Corporation. MITRE ATT&CK and ATT&CK are registered trademarks of The MITRE Corporation. |
| .objects[].x_mitre_deprecated                                  | All objects.Attribute                             | Deprecated                           | .objects[].created | true                                                                                                | N/A                                                                                                                                                                                                                                                |
| .objects[].x_mitre_contributors[]                              | All objects.Attribute                             | Contributor                          | .objects[].created | Dragos Threat Intelligence                                                                          | N/A                                                                                                                                                                                                                                                |
| .objects[].x_mitre_detection                                   | Attack Pattern.Attribute                          | Detection                            | .objects[].created | Monitor DLL loads by processes, specifically looking for DLLs that are not recognized or not        | N/A                                                                                                                                                                                                                                                |

| FEED DATA PATH                               | THREATQ ENTITY                            | THREATQ OBJECT TYPE OR ATTRIBUTE KEY | PUBLISHED DATE     | EXAMPLES                             | NOTES |
|----------------------------------------------|-------------------------------------------|--------------------------------------|--------------------|--------------------------------------|-------|
|                                              |                                           |                                      |                    | normally loaded into a process.      |       |
| .objects[].kill_chain_phases[].phase_name    | Attack Pattern.Attribute                  | Tactic                               | .objects[].created | organizational-information-gathering | N/A   |
| .objects[].external_references[].external_id | Attack Pattern.Attribute                  | Technique ID                         | .objects[].created | T1281                                | N/A   |
| .objects[].x_mitre_platforms[]               | Attack Pattern / Tool / Malware.Attribute | Platform                             | .objects[].created | Android                              | N/A   |
| .objects[].x_mitre_tactic_type               | Attack Pattern.Attribute                  | Tactic Type                          | .objects[].created | Post-Adversary Device Access         | N/A   |
| .objects[].revoked                           | Attack Pattern.Attribute                  | Revoked                              | .objects[].created | true                                 | N/A   |
| .objects[].aliases[]                         | Related Adversary/Intrusion Set.Value     | Alias                                | .objects[].created | Palmetto Fusion                      | N/A   |
| .objects[].labels[]                          | Tool / Malware.Attribute                  | Label                                | .objects[].created | tool                                 | N/A   |



## MITRE ICS ATT&CK

The MITRE ICS ATT&CK feed retrieves the content of the ICS ATT&CK collection. It retrieves a list of adversaries, intrusion set, campaigns, course of actions, malware objects, attack patterns and tools, along with their attributes.

### Sample Response:

```
{
  "objects": [
    {
      "modified": "2023-10-13T17:57:06.171Z",
      "name": "Loss of Safety",
      "description": "Adversaries may compromise safety system functions designed to maintain safe operation of a process when unacceptable or dangerous conditions occur. Safety systems are often composed of the same elements as control systems but have the sole purpose of ensuring the process fails in a predetermined safe manner. \n\nMany unsafe conditions in process control happen too quickly for a human operator to react to. Speed is critical in correcting these conditions to limit serious impacts such as Loss of Control and Property Damage. \n\nAdversaries may target and disable safety system functions as a prerequisite to subsequent attack execution or to allow for future unsafe conditionals to go unchecked. Detection of a Loss of Safety by operators can result in the shutdown of a process due to strict policies regarding safety systems. This can cause a Loss of Productivity and Revenue and may meet the technical goals of adversaries seeking to cause process disruptions.",
      "kill_chain_phases": [
        {
          "kill_chain_name": "mitre-ics-attack",
          "phase_name": "impact"
        }
      ],
      "x_mitre_attack_spec_version": "2.1.0",
      "x_mitre_deprecated": false,
      "x_mitre_detection": "",
      "x_mitre_domains": ["ics-attack"],
      "x_mitre_is_subtechnique": false,
      "x_mitre_modified_by_ref": "identity--c78cb6e5-0c4b-4611-8297-d1b8b55e40b5",
      "x_mitre_platforms": ["None"],
      "x_mitre_version": "1.0",
      "type": "attack-pattern",
      "id": "attack-pattern--5fa00fdd-4a55-4191-94a0-564181d7fec2",
      "created": "2020-05-21T17:43:26.506Z",
      "created_by_ref": "identity--c78cb6e5-0c4b-4611-8297-d1b8b55e40b5",
      "revoked": false,
      "external_references": [
        {
          "source_name": "mitre-attack",
          "url": "https://attack.mitre.org/techniques/T0880",

```

```
        "external_id": "T0880"
      },
    ],
    "object_marking_refs": [
      "marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168"
    ]
  }
]
```

ThreatQuotient provides the following default mapping for this feed:

| FEED DATA PATH                                                 | THREATQ ENTITY                                    | THREATQ<br>OBJECT TYPE<br>OR ATTRIBUTE<br>KEY | PUBLISHED DATE     | EXAMPLES                                                                                            | NOTES                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .objects[].external_references[].external_id - .objects[].name | Attack Pattern / Course Of Action / Malware.Value | N/A                                           | .objects[].created | T0803 - Block Command Message                                                                       | If .objects[].type is attack-pattern                                                                                                                                                                                                               |
| .objects[].name                                                | Adversary / Intrusion set / Malware.Value         | N/A                                           | .objects[].created | APT17                                                                                               | If .objects[].type is intrusion-set                                                                                                                                                                                                                |
| .objects[].description                                         | All objects.Description                           | N/A                                           | .objects[].created | Adversaries may block a command message from reaching..                                             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Attack Pattern.Attribute                          | Technique ID                                  | .objects[].created | T1546.009                                                                                           | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Related Adversary/ Intrusion Set.Attribute        | Group ID                                      | .objects[].created | G0034                                                                                               | If .objects[].external_references[].source_name is mitre-ics-attack or mitre-attack                                                                                                                                                                |
| .objects[].external_references[].external_id                   | Course Of Action.Attribute                        | Mitigation ID                                 | .objects[].created | M1014                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Tool.Attribute                                    | Tool ID                                       | .objects[].created | S0298                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].external_id                   | Malware.Attribute                                 | Malware ID                                    | .objects[].created | S0321                                                                                               | If .objects[].external_references[].source_name is mitre-mobile-attack or mitre-attack                                                                                                                                                             |
| .objects[].external_references[].description                   | All objects.Attribute                             | External Reference                            | .objects[].created | Gregory Scasny. (2015, September 14). Understanding Open Source Intelligence (OSINT) ..             | N/A                                                                                                                                                                                                                                                |
| .objects[].external_references[].url                           | All objects.Attribute                             | External Reference                            | .objects[].created | <a href="https://attack.mitre.org/mitigations/M1009">https://attack.mitre.org/mitigations/M1009</a> | N/A                                                                                                                                                                                                                                                |
| .objects[].object_marking_refs                                 | All objects.Attribute                             | Statement Marking                             | .objects[].created | marking-definition--fa42a846-8d90-4e51-bc29-71d5b4802168                                            | If .objects[].external_references[].source_name is marking-definition. Used to filter in to obtain the marking definition (Copyright 2015-2021, The MITRE Corporation. MITRE ATT&CK and ATT&CK are registered trademarks of The MITRE Corporation. |
| .objects[].x_mitre_contributors[]                              | All objects.Attribute                             | Contributor                                   | .objects[].created | Dragos Threat Intelligence                                                                          | N/A                                                                                                                                                                                                                                                |
| .objects[].modified                                            | All objects.Attribute                             | Modified At                                   | .objects[].created | 2020-10-26T13:42:49.342Z                                                                            | N/A                                                                                                                                                                                                                                                |
| .objects[].x_mitre_deprecated                                  | All objects.Attribute                             | Deprecated                                    | .objects[].created | true                                                                                                | N/A                                                                                                                                                                                                                                                |
| .objects[].kill_chain_phases[].phase_name                      | Attack Pattern.Attribute                          | Tactic                                        | .objects[].created | Privilege Escalation                                                                                | N/A                                                                                                                                                                                                                                                |

| FEED DATA PATH                              | THREATQ ENTITY                                     | THREATQ<br>OBJECT TYPE<br>OR ATTRIBUTE<br>KEY | PUBLISHED DATE     | EXAMPLES                                                                                                                     | NOTES |
|---------------------------------------------|----------------------------------------------------|-----------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|-------|
| .objects[].x_mitre_difficulty_for_adversary | Attack Pattern.Attribute                           | Effective Permissions                         | .objects[].created | Administrator                                                                                                                | N/A   |
| .objects[].x_mitre_detection                | Attack Pattern.Attribute                           | Detection                                     | .objects[].created | Monitor DLL loads by processes, specifically looking for DLLs that are not recognized or not normally loaded into a process. | N/A   |
| .objects[].x_mitre_data_sources[]           | Attack Pattern.Attribute                           | Data Source                                   | .objects[].created | Command: Command Execution                                                                                                   | N/A   |
| .objects[].x_mitre_permissions_required[]   | Attack Pattern.Attribute                           | Permissions Required                          | .objects[].created | System                                                                                                                       | N/A   |
| .objects[].x_mitre_system_requirements      | Attack Pattern.Attribute                           | System Requirements                           | .objects[].created | Some Folders May Require Administrator, System Or Specific User Depending On Permission Levels And Access Controls           | N/A   |
| .objects[].x_mitre_defense_bypassed         | Attack Pattern.Attribute                           | Defense Bypassed                              | .objects[].created | Application Control                                                                                                          | N/A   |
| .objects[].x_mitre_effective_permissions[]  | Attack Pattern.Attribute                           | Effective Permissions                         | .objects[].created | Administrator                                                                                                                | N/A   |
| .objects[].x_mitre_network_requirements     | Attack Pattern.Attribute                           | Network Requirements                          | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].x_mitre_remote_support           | Attack Pattern.Attribute                           | Remote Support                                | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].x_mitre_platforms[]              | Attack Pattern / Tool / Malware.Attribute          | Platform                                      | .objects[].created | Android                                                                                                                      | N/A   |
| .objects[].revoked                          | Attack Pattern / Intrusion set / Malware.Attribute | Revoked                                       | .objects[].created | true                                                                                                                         | N/A   |
| .objects[].aliases[]                        | Related Adversary/ Intrusion Set.Value             | Alias                                         | .objects[].created | Palmetto Fusion                                                                                                              | N/A   |
| .objects[].labels[]                         | Tool / Malware.Attribute                           | Label                                         | .objects[].created | tool                                                                                                                         | 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.

## MITRE Enterprise ATT&CK

| METRIC                                 | RESULT     |
|----------------------------------------|------------|
| Run Time                               | 10 minutes |
| Adversaries / Intrusion Set            | 344        |
| Adversaries / Intrusion Set Attributes | 5,106      |
| Attack Pattern                         | 707        |
| Attack Pattern Attributes              | 11,139     |
| Campaigns                              | 13         |
| Campaign Attributes                    | 56         |
| Course Of Action                       | 267        |
| Course Of Action Attributes            | 1,635      |
| Malware                                | 474        |
| Malware Attributes                     | 4,155      |
| Tool                                   | 72         |

| METRIC          | RESULT |
|-----------------|--------|
| Tool Attributes | 603    |

## MITRE Mobile ATT&CK

| METRIC                                 | RESULT     |
|----------------------------------------|------------|
| Run Time                               | 10 minutes |
| Adversaries / Intrusion Set            | 23         |
| Adversaries / Intrusion Set Attributes | 673        |
| Attack Pattern                         | 110        |
| Attack Pattern Attributes              | 1,144      |
| Campaigns                              | 13         |
| Campaign Attributes                    | 56         |
| Course Of Action                       | 13         |
| Course Of Action Attributes            | 55         |
| Malware                                | 92         |
| Malware Attributes                     | 731        |
| Tool                                   | 2          |
| Tool Attributes                        | 18         |

## MITRE ICS ATT&CK

| METRIC                                 | RESULT     |
|----------------------------------------|------------|
| Run Time                               | 10 minutes |
| Adversaries / Intrusion Set            | 82         |
| Adversaries / Intrusion Set Attributes | 1808       |
| Attack Pattern                         | 95         |
| Attack Pattern Attributes              | 1078       |
| Campaigns                              | 7          |
| Campaign Attributes                    | 36         |
| Course Of Action                       | 52         |
| Course Of Action Attributes            | 347        |
| Malware                                | 23         |
| Malware Attributes                     | 286        |

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# Change Log

- **Version 1.1.0**
  - Updated the integration to use MITRE's TAXII v2.1 server.
  - Removed the **MITRE PRE-ATT&CK** feed as it has been deprecated by the provider.
  - Added a new feed: **MITRE ICS ATT&CK**.
  - Added support for Campaign objects.
- **Version 1.0.0**
  - Initial release