ThreatQuotient

A Securonix Company

SpyCloud CDF

Version 1.0.0

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ThreatQ Supported

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.0
Compatible with ThreatQ Versions	>= 5.12.1
Support Tier	ThreatQ Supported

Introduction

The SpyCloud CDF for ThreatQ automatically ingests breach and compromised credential data, enabling analysts to quickly identify exposures affecting their organization's assets. Powered by SpyCloud's cybercrime analytics platform, which continuously monitors the dark web and other underground sources, this integration provides real-time intelligence to help prevent account takeovers, ransomware attacks, and related threats.

The integration provides the following feeds:

- **SpyCloud Breaches** - ingests new breach data from SpyCloud's Breach Catalogue as Event objects.
- **SpyCloud Compromised Credentials** - ingests compromised account information based on specified monitored assets.

The integration ingests the following object types:

- Compromised Accounts
- Events
- Identities
- Indicators
- Malware

Prerequisites

The following is required to install and operate this integration:

- A valid SpyCloud API key that can be obtained at your SpyCloud customer portal: https://portal.spycloud.com/.
- The Compromised Account custom object installed on your instance.

Compromised Account Custom Object

This integration requires the Compromised Account custom object. ThreatQ Hosted customers should contact the ThreatQ Support team to request installation of the object, while On-Premises customers can follow the steps below to install it manually.

> When installing the custom objects, be aware that any in-progress feed runs will be cancelled, and the API will be in maintenance mode.

ThreatQ v6 Steps

Use the following steps to install the custom object in ThreatQ v6:

1. Download the integration bundle from the ThreatQ Marketplace.
2. Unzip the bundle and locate the custom object files.

   > The custom object files will typically consist of a JSON definition file, install.sh script, and a images folder containing the svg icons.

3. SSH into your ThreatQ instance.
4. Navigate to the tmp folder:

   ```
   cd /var/lib/threatq/misc/
   ```

5. Upload the custom object files, including the images folder.

   The directory structure should be as the following:

   - misc
     - install.sh
     - <custom_object_name>.json
     - images (directory)
       - <custom_object_name>.svg

6. Run the following command:

   ```
   kubectl exec -it deployment/api-schedule-run -n threatq -- sh /var/lib/threatq/misc/install.sh /var/lib/threatq/misc
   ```

> The installation script will automatically put the application into maintenance mode, move the files to their required directories, install the custom object, update permissions, bring the application out of maintenance mode, and restart dynamo.

7. Delete the install.sh, definition json file, and images directory from the `misc` directory after the object has been installed as these files are no longer needed.

ThreatQ v5 Steps

1. Download the integration zip file from the ThreatQ Marketplace and unzip its contents.
2. SSH into your ThreatQ instance.
3. Navigate to tmp directory:

   ```
   cd /tmp/
   ```

4. Create a new directory:

   ```
   mkdir spycloud_cdf
   ```

5. Upload the **account.json** and **install.sh** script into this new directory.
6. Create a new directory called **images** within the spycloud_cdf directory.

   ```
   mkdir images
   ```

7. Upload the account.svg.
8. Navigate to the **/tmp/spycloud_cdf**.

   The directory should resemble the following:

   - tmp
     - **spycloud_cdf**
       - **account.json**
       - **install.sh**
       - **images**
         - **account.svg**

9. Run the following command to ensure that you have the proper permissions to install the custom object:

```
chmod +x install.sh
```

10. Run the following command:

```
sudo ./install.sh
```

> You must be in the directory level that houses the install.sh and json files when running this command.

The installation script will automatically put the application into maintenance mode, move the files to their required directories, install the custom object, update permissions, bring the application out of maintenance mode, and restart dynamo.

11. Remove the temporary directory, after the custom object has been installed, as the files are no longer needed:

```
rm -rf spycloud_cdf
```

Installation

> The CDF requires the installation of the Compromised Account custom object before installing the actual CDF. See the Compromised Account section in the Prerequisites chapter for more details. The custom object must be installed prior to installing the CDF. Attempting to install the CDF without the custom object will cause the CDF install process to fail.

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 zip file.
3. Extract the contents of the zip file and install the required Compromise Account custom object.
4. Navigate to the integrations management page on your ThreatQ instance.
5. Click on the **Add New Integration** button.
6. Upload the integration yaml file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the file on your local machine
7. Select the individual feeds to install, when prompted and 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.

Configuration

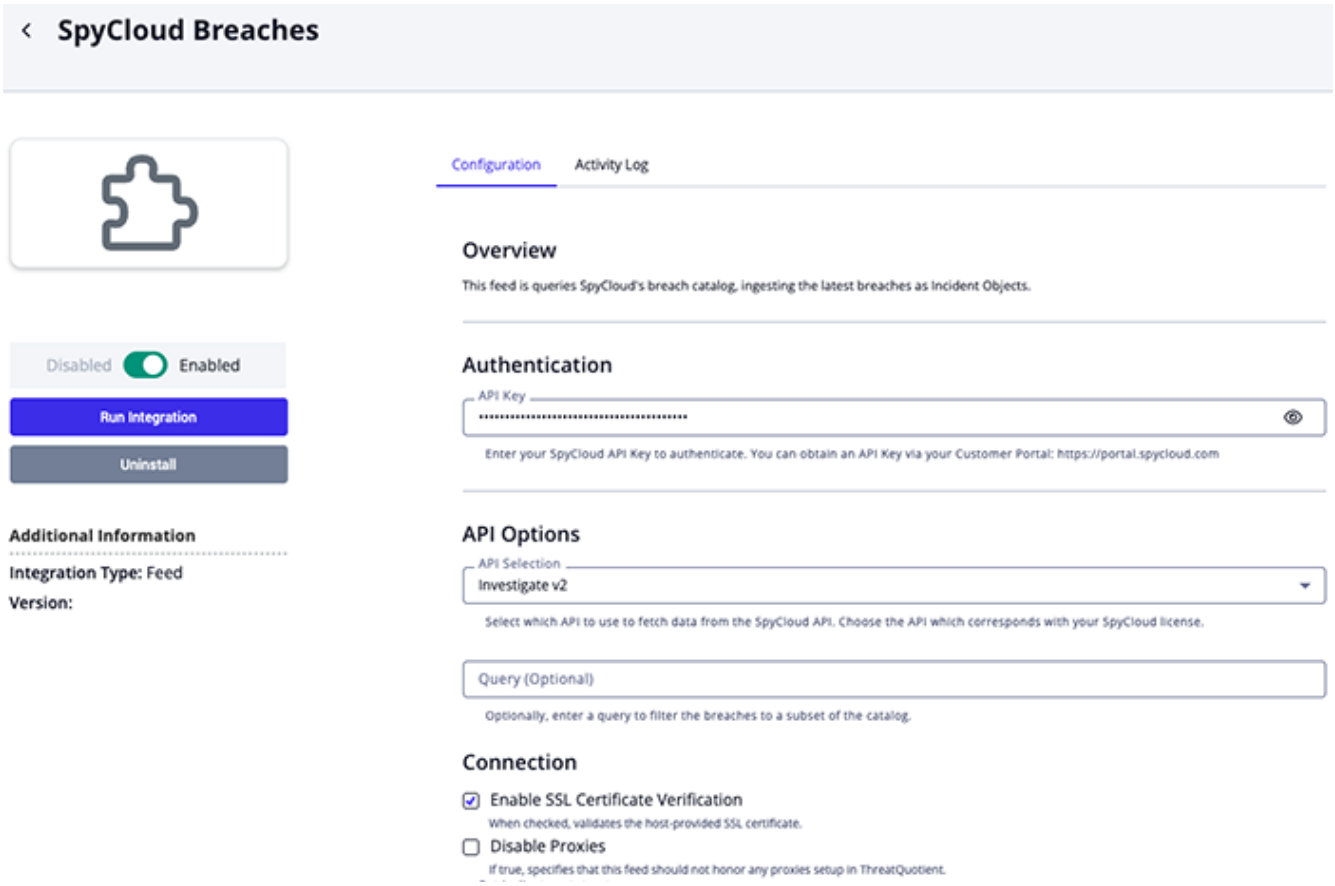
> ThreatQuotient does not issue API keys for third-party vendors. Obtain API credentials directly from SpyCloud.

To configure the integration:

1. Navigate to your ThreatQ integrations page.
2. Select the **Commercial** category.
3. Click the SpyCloud integration entry to open its configuration.
4. Enter the configuration parameters for each feed as outlined below.

SpyCloud Breaches Configuration Parameters

PARAMETER	DESCRIPTION
API Key	Enter your SpyCloud API key for authentication.
API Selection	Select the appropriate SpyCloud API version. Options include: • Investigate v2 *(default)* • Enterprise v2
Query	Optional - filter the breach catalog using an optional query string.
Enable SSL Certificate Verification	Enable this parameter if the feed should validate the host-provided SSL certificate.
Disable Proxies	Enable this parameter if the feed should not honor proxies set in the ThreatQ UI.

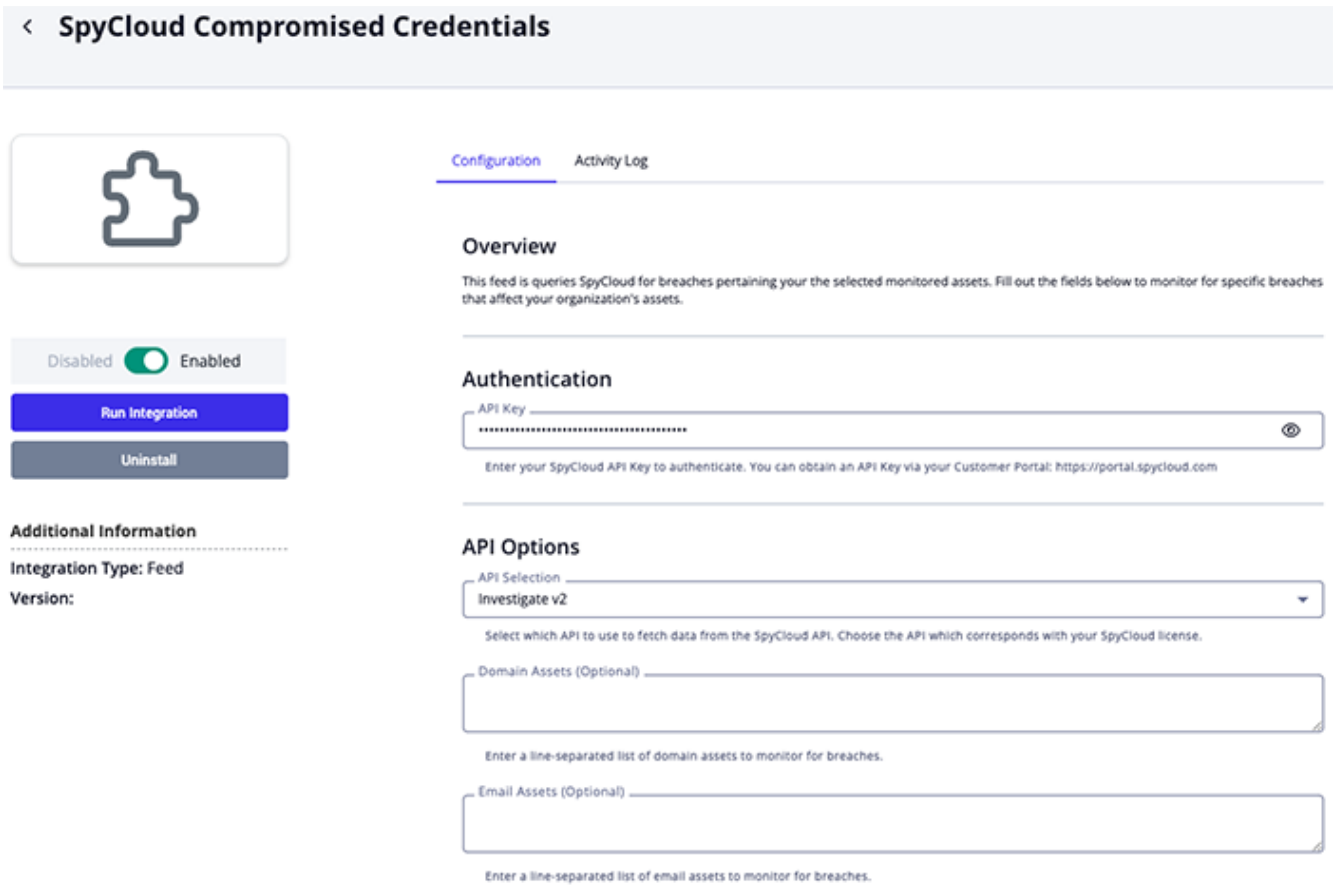


SpyCloud Compromised Credentials Configuration Parameters

PARAMETER	DESCRIPTION
API Key	Enter your SpyCloud API key for authentication.
Domain Assets	Optional - enter a line-separated list of domain assets to monitor for breaches.
Email Assets	Optional - enter a line-separated list of email assets to monitor for breaches.
IP Assets	Optional - enter a line-separated list of IP assets to monitor for breaches.

PARAMETER	DESCRIPTION
Username Assets	Optional - enter a line-separated list of username assets to monitor for breaches.
Fetch Breach Details	Enable this parameter to fetch the full details of each breach. This will include the breach's description, affected asset counts, and external references. If disabled, only the compromised credential object will be created. ⚠ Enabling this parameter will increase the amount of API requests made that will count against your API limit.
Severity Filter	Select the severity levels of breaches to monitor. Options include: • Email Only • Informational • High *(default)* • Critical *(default)* ✎ Leaving these parameter options unchecked will result in the feed pulling breaches of any severity.
Attribute Filter	Select which pieces of context to be ingested with each compromised credential. Options include: • Severity *(default)* • Password (if plaintext is available) • Password (if plaintext is not available) • Password Type • Salt • User IP Address • Target Domain *(default)* • Target Subdomain *(default)* • Email Domain *(default)* • Target URL • Account Signup Date • Record Cracked Date • Infected At ✎ Not all fields are available for every breached credential.

PARAMETER	DESCRIPTION
PII Attribute Filter	Select which pieces of personal information to be ingested with each compromised credential. Options include: • Full Name • First Name • Phone • Date of Birth • Industry • Country *(default)* • Country Code • User Operating System • User Hostname  Not all fields are available for every breached credential.
Banking Attribute Filter	Select which pieces of banking information to be ingested with each compromised credential. Options include: • Credit Card Type • Credit Card BIN • Credit Card Last 4 Digits • Credit Card Expiration Date • Credit Card CVV • Bank Name • Bank Number  Not all fields are available for every breached credential.
Enable SSL Certificate Verification	Enable this parameter if the feed should validate the host-provided SSL certificate.
Disable Proxies	Enable this parameter if the feed should not honor proxies set in the ThreatQ UI.


SpyCloud Compromised Credentials
Disabled
Enabled
Run Integration
Uninstall
Additional Information
Integration Type: Feed
Version:
Configuration
Activity Log
Overview
This feed is queries SpyCloud for breaches pertaining your the selected monitored assets. Fill out the fields below to monitor for specific breaches that affect your organization's assets.
Authentication
API Key
Enter your SpyCloud API Key to authenticate. You can obtain an API Key via your Customer Portal: https://portal.spycloud.com
API Options
API Selection
Investigate v2
Select which API to use to fetch data from the SpyCloud API. Choose the API which corresponds with your SpyCloud license.
Domain Assets (Optional)
Enter a line-separated list of domain assets to monitor for breaches.
Email Assets (Optional)
Enter a line-separated list of email assets to monitor for breaches.

ThreatQ Mapping

SpyCloud Breaches

The SpyCloud Breaches feed ingests new breaches from SpyCloud's Breach Catalogue as event objects.

`GET https://api.spycloud.io/investigations-v2/breach/catalog`

Sample Response:


```
{
    "hits": 3,
    "results": [
        {
            "type": "PUBLIC",
            "breach_category": "exfiltrated",
            "num_records": 618,
            "title": "Huachiew Chalermprakiet University",
            "spycloud_publish_date": "2024-04-12T00:00:00Z",
            "breached_companies": [
                {
                    "company_name": "Huachiew Chalermprakiet University",
                    "industry": "Education"
                }
            ],
            "description": "On an unknown date, data reported to belong to
Huachiew Chalermprakiet University, whose headquarters are located in Thailand,
was exfiltrated. The stolen data includes email addresses, usernames,
passwords, and may contain other compromised user details. This breach is being
publicly shared on the Internet.",
            "site_description": "Huachiew Chalermprakiet University is located
in Thailand.",
            "site": "hcu.ac.th",
            "id": 51234,
            "confidence": 3,
            "acquisition_date": "2023-12-05T00:00:00Z",
            "tlp": "amber",
            "uuid": "5c6772e9-2bf1-42e8-a46d-ed197df2ae82",
            "breach_main_category": "breach",
            "consumer_category": "publicexposure",
            "sensitive_source": false,
            "short_title": "Huachiew Chalermprakiet Univers…",
            "assets": {
                "username": 618,
                "password": 579,
                "email": 1
            }
```

```
        },
        {
            "type": "PRIVATE",
            "breach_category": "infostealer",
            "num_records": 661446,
            "title": "stealc Stealer",
            "spycloud_publish_date": "2024-05-18T00:00:00Z",
            "description": "stealc Stealer is a Windows-targeted stealer
designed to grab form data such as IP addresses, browsing history, saved
passwords, cryptocurrency, private messages and/or screenshots from affected
users.",
            "site_description": "stealc Stealer is a Windows-targeted stealer
designed to grab form data such as IP addresses, browsing history, saved
passwords, cryptocurrency, private messages and/or screenshots from affected
users.",
            "site": "n/a",
            "id": 59176,
            "premium_flag": "YES",
            "confidence": 3,
            "malware_family": "stealc",
            "acquisition_date": "2024-05-18T00:00:00Z",
            "tlp": "clear",
            "uuid": "132cfa76-2a82-428e-9d3c-8355c73eaa1b",
            "breach_main_category": "malware",
            "consumer_category": "infostealer",
            "sensitive_source": false,
            "short_title": "stealc Stealer",
            "assets": {
                "av_softwares": 1442,
                "ip_addresses": 661446,
                "user_hostname": 659248,
                "log_id": 661446,
                "country_code": 660517,
                "user_sys_registered_owner": 655819,
                "email": 327450,
                "user_os": 661446,
                "password": 661446,
                "keyboard_languages": 661446,
                "infected_time": 661446,
                "full_name": 123,
                "target_url": 661446,
                "username": 333996,
                "infected_machine_id": 661446,
                "country": 661359
            }
        }
    ]
```

ThreatQ provides the following default mapping for this feed based on each item within the API response's `.results` array. The `.spycloud_publish_date` represents the first key present in the response from: [`.breach_date`, `.acquisition_date`, 'public_date, `.spycloud_publish_date`].

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.type`, `.title`, `.breach_main_category`, `.breach_category`, `.uuid`	Event.Title	N/A	`.spycloud_publish_date`	N/A	Fields concatenated to build title
`.description`, `.assets`, `.media_urls[]`	Event.Description	N/A	N/A	N/A	Fields concatenated to build HTML description
`.malware_family`	Malware.Value	N/A	`.spycloud_publish_date`	`StealerC`	N/A
`.breached_companies[].company_name`	Identity.Value	N/A	`.spycloud_publish_date`	`Acme Corp`	N/A
`breached/targeted`	Identity.Tag	N/A	N/A	`breached`	`breached` for `.breached_companies[]` and `targeted` for `.targeted_companies[]`
`.targeted_companies[].company_name`	Identity.Value	N/A	`.spycloud_publish_date`	`Acme Corp`	N/A
`.targeted_companies[].industry`	Identity.Attribute	`Industry`	`.spycloud_publish_date`	`Energy`	N/A
`.id`	Event.Attribute	`Breach ID`	`.spycloud_publish_date`	`2`	N/A
`.site`	Event.Attribute	`Affected Site`	`.spycloud_publish_date`	`linkedin.com`	N/A
`.assets[key]`	Event.Attribute	`Breached Data`	`.spycloud_publish_date`	`email`	N/A
`.type`	Event.Attribute	`Breach Type`	`.spycloud_publish_date`	`PUBLIC`	N/A
`.num_records`	Event.Attribute	`Number of Records`	`.spycloud_publish_date`	`1234567`	N/A
`.confidence`	Event.Attribute	`Confidence`	`.spycloud_publish_date`	`High`	Mapped to normalized values
`.combo_list_flag`	Event.Attribute	`Is Combo List`	`.spycloud_publish_date`	`false`	`true` if value is YES, `false` otherwiswe
`.breach_main_category`	Event.Attribute	`Category`	`.spycloud_publish_date`	`breach`	N/A
`.breach_category`	Event.Attribute	`Subcategory`	`.spycloud_publish_date`	`exposed`	N/A
`.targeted_industries`	Event.Attribute	`Target Industry`	`.spycloud_publish_date`	N/A	N/A
`.sensitive_source`	Event.Attribute	`Is Sensitive Source`	`.spycloud_publish_date`	`false`	N/A
`.consumer_category`	Event.Attribute	`Consumer Category`	`.spycloud_publish_date`	`infostealer`	N/A

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.breach_date`	Event.Attribute	`Breach Date`	`.spycloud_publish_date`	`2022-11-18T00:00:00Z`	N/A
`.acquisition_date`	Event.Attribute	`Acquisition Date`	`.spycloud_publish_date`	`2022-11-28T00:00:00Z`	N/A
`.public_date`	Event.Attribute	`Public Date`	`.spycloud_publish_date`	`2024-05-02T00:00:00Z`	N/A

Confidence Normalization Map

The following table illustrates how SpyCloud attributes are mapped to ThreatQ.

SPYCLOUD VALUE	THREATQ VALUE
1	Low
2	Medium
3	High

SpyCloud Compromised Credentials

The SpyCloud Compromised Credentials feed ingests compromised credentials via SpyCloud's breached asset lookup API. You will be able to specify one or more assets (i.e. domains, usernames, emails, etc.) to monitor for breached credentials.

> The feed will bring in new compromised credentials based on the feed run's timeframe.

```
GET https://api.spycloud.io/investigations-v2/breach/data/{{type}}/{{asset}}
```

Sample Response:


```
{
    "cursor": "63a38950-1e6c-4462-8214-2679847aeeb8",
    "hits": 2255818,
    "results": [
        {
            "user_browser": "Google Chrome [Default]",
            "password": "********",
            "source_id": 59182,
            "ip_addresses": [
                "103.46.201.86"
            ],
            "country": "INDIA",
            "user_os": "Windows 10 Home [x64]",
            "user_hostname": "ABHI",
            "user_sys_registered_owner": "hhbbk",
            "keyboard_languages": "english (united states)",
            "infected_machine_id": "5103dbeb-97db-4187-9592-0421f8c952d0",
            "log_id":
"22f2980c0e2f00278083136632e9c3be55bd15b916f92bbfbd3aa41d0dc0708c",
            "target_url": "https://accounts.acme.com/forgot-password/",
            "username": "6280183056",
            "infected_time": "2022-08-12T11:03:06Z",
            "spycloud_publish_date": "2024-05-18T00:00:00Z",
            "target_domain": "acme.com",
            "target_subdomain": "accounts.acme.com",
            "password_type": "plaintext",
            "password_plaintext": "********",
            "country_code": "IN",
            "severity": 25,
            "document_id": "295b4dc1-2cf0-4537-87e6-23c9960f1d8a"
        },
        {
            "password": "********",
            "source_id": 59194,
            "email": "vivekbicky@gmail.com",
            "ip_addresses": [
                "49.37.66.162"
```

```
            ],
            "country": "INDIA",
            "user_os": "Windows 10 Pro [x64]",
            "user_hostname": "DESKTOP-R7SMU0D",
            "user_sys_registered_owner": "hp",
            "keyboard_languages": "english (united states)",
            "infected_machine_id": "9317cc4d-3bbe-415c-be77-3c5216418b3e",
            "log_id":
"02285e9062ac85c50302c6e681e53b1c205fe51706f396bdadb6eef06fa567e7",
            "target_url": "https://www.acme.com/careers/apply/form/48225",
            "infected_time": "2023-03-05T18:04:13Z",
            "spycloud_publish_date": "2024-05-18T00:00:00Z",
            "email_domain": "gmail.com",
            "email_username": "vivekbicky",
            "domain": "gmail.com",
            "target_domain": "acme.com",
            "password_type": "plaintext",
            "password_plaintext": "********",
            "country_code": "IN",
            "severity": 25,
            "document_id": "8fa7d143-55c7-410c-955a-33be77eef196"
        },
        {
            "user_browser": "Google Chrome [Default]",
            "password": "********",
            "source_id": 59194,
            "email": "mesthermerino24@gmail.com",
            "ip_addresses": [
                "90.161.236.158"
            ],
            "country": "SPAIN",
            "infected_path": "C:\\Users\\rodri\\AppData\\Local\\Temp\
\Rar$EXb19436.20504\\2023-F1LES-S0ft\\Launcher_S0FT-2023.exe",
            "user_os": "Windows 10 Home [x64]",
            "user_hostname": "PRIMUX_15R5A",
            "user_sys_registered_owner": "rodri",
            "keyboard_languages": "español (españa, internacional)",
            "infected_machine_id": "3773857f-f1de-4382-836b-f83b4e819ccf",
            "log_id":
"f26498c3a206c8e6fc4ba9278b46672f701f1a5d582efea1f1fb33045d0d8ffc",
            "target_url": "https://auth.acme.com/login/session",
            "infected_time": "2023-03-05T15:40:54Z",
            "spycloud_publish_date": "2024-05-18T00:00:00Z",
            "email_domain": "gmail.com",
            "email_username": "mesthermerino24",
            "domain": "gmail.com",
            "target_domain": "acme.com",
            "target_subdomain": "auth.acme.com",
            "password_type": "plaintext",
            "password_plaintext": "********",
```

```
            "country_code": "ES",
            "severity": 25,
            "document_id": "07111791-a813-470b-87ac-5f401872ad6a"
        }
    ]
}
```

ThreatQ provides the following default mapping for this feed based on each item within the API response's `.results` array.

> Not all fields will be available with each breached credential.

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.email`, `.username`	Account.Value	N/A	`.spycloud_publish_date`	`roadrunner@acme.com`	Whichever field that's available will be used
`.infected_path`	Indicator.Value	File Path	`.spycloud_publish_date`	`C:\\Users\\rodri\\AppData\\Local\\Temp\\Rar$EXb19436.20504\\2023-F1LES-S0ft\\Launcher_S0FT-2023.exe`	N/A
N/A	Account.Tag	N/A	N/A	`infected`	Applied when there is a `.infected_machine_id`
N/A	Account.Tag	N/A	N/A	`plaintext-password`	Applied when the breached password is plaintext
N/A	Account.Attribute	Credential Type	`.spycloud_publish_date`	`Email`	Applied when an email is present
N/A	Account.Attribute	Credential Type	`.spycloud_publish_date`	`Username`	Applied when a username is present
`.severity`	Account.Attribute	Severity	`.spycloud_publish_date`	`Critical`	User-Configurable; Mapped to a normalized name
`.password_plaintext`	Account.Attribute	Password	`.spycloud_publish_date`	N/A	User-Configurable; If `.password_type` is plaintext and different than `********`
`.password`	Account.Attribute	Password	`.spycloud_publish_date`	N/A	User-Configurable; If `.password_type` is not plaintext and different than `********`
`.password_type`	Account.Attribute	Password Type	`.spycloud_publish_date`	`plaintext`	User-Configurable. If value different than `********`
`.salt`	Account.Attribute	Salt	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.ip_addresses[]`	Account.Attribute	User IP Address	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.target_domain`	Account.Attribute	Target Domain	`.spycloud_publish_date`	`linkedin.com`	User-Configurable. If value different than `********`

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.target_subdomain`	Account.Attribute	Target Subdomain	`.spycloud_publish_date`	`.gov.eu`	User-Configurable. If value different than `********`
`.email_domain`	Account.Attribute	Email Domain	`.spycloud_publish_date`	`.gmail.com`	User-Configurable. If value different than `********`
`.target_url`	Account.Attribute	Target URL	`.spycloud_publish_date`	`https://linkedin.com/login/`	User-Configurable. If value different than `********`
`.account_signup_time`	Account.Attribute	Account Signup Date	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.record_cracked_date`	Account.Attribute	Record Cracked Date	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.infected_time`	Account.Attribute	Infected At	`.spycloud_publish_date`	`2023-03-05T15:40:54Z`	User-Configurable. If value different than `********`
`.full_name`	Account.Attribute	Full Name	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.first_name`	Account.Attribute	First Name	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.phone`	Account.Attribute	Phone	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.dob`	Account.Attribute	Date of Birth	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.industry`	Account.Attribute	Industry	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.country`	Account.Attribute	Country	`.spycloud_publish_date`	`SPAIN`	User-Configurable. If value different than `********`
`.country_code`	Account.Attribute	Country Code	`.spycloud_publish_date`	`NL`	User-Configurable. If value different than `********`
`.user_os`	Account.Attribute	User Operating System	`.spycloud_publish_date`	`Windows`	User-Configurable. If value different than `********`
`.user_hostname`	Account.Attribute	User Hostname	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.cc_type`	Account.Attribute	Credit Card Type	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.cc_bin`	Account.Attribute	Credit Card BIN	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.cc_last_four`	Account.Attribute	Credit Card Last 4 Digits	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.cc_expiration`	Account.Attribute	Credit Card Expiration	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.cc_code`	Account.Attribute	Credit Card CVV	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`
`.bank_name`	Account.Attribute	Bank Name	`.spycloud_publish_date`	`Wells Fargo`	User-Configurable. If value different than `********`

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.bank_number`	Account.Attribute	Bank Number	`.spycloud_publish_date`	N/A	User-Configurable. If value different than `********`

Severity Map

The following table illustrates how SpyCloud severity values are mapped to ThreatQ.

SPYCLOUD VALUE	THREATQ VALUE
2	Email Only
5	Informational
20	High
25	Critical

Average Feed Run

SpyCloud Breaches

METRIC	RESULT
Run Time	1 minute
Events	1
Event Attributes	729
Identities	10
Malware	6

SpyCloud Compromised Credentials

METRIC	RESULT
Run Time	1 minute
Compromised Accounts	125
Compromised Account Attributes	1,691
Events	9
Event Attributes	284
Indicators	16
Malware	5

Known Issues / Limitations

- The SpyCloud Compromised Credentials feed requires at least one asset type (Domain, Email, IP, or Username) to be specified. If none are configured, the feed will execute an empty run.

Change Log

- **Version 1.0.0**
  - Initial release