ThreatQuotient

A Securonix Company

GreyNoise CDF

Version 1.6.0

December 12, 2025

ThreatQuotient
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ThreatQ Supported

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Contents

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.6.0
Compatible with ThreatQ Versions	>= 5.6.0
Support Tier	ThreatQ Supported

Introduction

GreyNoise collects, analyzes, and labels data on IPs that saturate security tools with noise. This unique perspective helps analysts waste less time on irrelevant or harmless activity, and spend more time focused on targeted and emerging threats.

The GreyNoise CDF provides the following feeds:

- **GreyNoise -** ingests new, malicious IP Addresses every day. Additionally, a GNQL query can be provided to narrow down the results.
- **GreyNoise Enrichment -** queries GreyNoise with IP Addresses from a Threat Collection and enriches those IP Addresses with the data that it ingests.

The following system object types are ingested by the integration:

- Indicators
    - Indicator Attributes
- Vulnerabilities

Installation

Perform the following steps to install the integration:

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

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

    > 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.

7. The feeds will be added to the integrations page. You will still need to configure and then enable the feed.

Configuration

> ThreatQuotient does not issue API keys for third-party vendors. Contact the specific vendor to obtain API keys and other integration-related credentials.

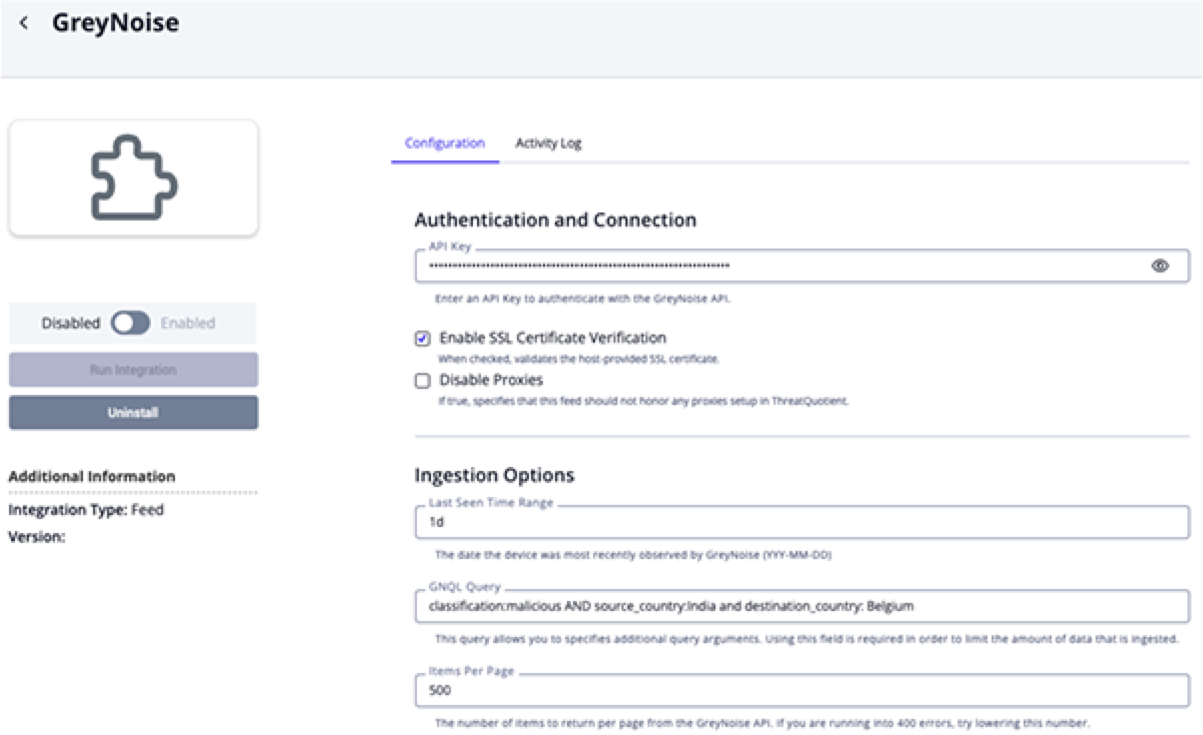
To configure the integration:

1. Navigate to your integrations management page in ThreatQ.
2. Select the **Commercial** option from the *Category* dropdown (optional).
3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

GreyNoise Feed Configuration Parameters

PARAMETER	DESCRIPTION
API Token	Your GreyNoise API Token.
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.
Last Seen Time Range	The date the device was most recently observed by GreyNoise. You can use the keyword `today` or `1d` to specify how many days to go back.
GNQL Query	ThreatQuotient highly recommends utilizing this parameter to narrow down the ingested dataset. The field allows you to specify query arguments other than `last_seen` field, which is the default. See the https://docs.greynoise.io/reference/gnqlv3query documentation for instructions on how to build a GNQL query.
Items per Page	The number of items to return per page from the GreyNoise API.

PARAMETER	DESCRIPTION
	You should lower this value if you are encountering 400 errors when running the feed.
Attribute Filter	Select the pieces of context, attributes and tags, to ingest into the platform. Options include: ◦ Tags (default) ◦ Classification (default) ◦ Malware Family (default) ◦ Actor (default) ◦ Category (default) ◦ CVE (default) ◦ Country ◦ Country Code (default) ◦ City ◦ Destination Countries ◦ Organization ◦ Is TOR (default) ◦ Is VPN (default) ◦ Is Spoofable ◦ Is Bot ◦ VPN Service ◦ Operating System ◦ ASN ◦ rDNS ◦ Scanned Paths ◦ Scanned Ports
Relationship Filter	Select the related IOC types to ingest into ThreatQ. At the time of this publication, the only option is CVE.
Ingest CVEs As	Select the entity type to ingest CVEs as in ThreatQ. Options include: ◦ Indicators ◦ Vulnerabilities



Additional Information

Integration Type: Feed

Version:

Authentication and Connection

API Key: ••

Enter an API Key to authenticate with the GreyNoise API.

☑ Enable SSL Certificate Verification

When checked, validates the host-provided SSL certificate.

☐ Disable Proxies

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

Ingestion Options

Last Seen Time Range: 1d

The date the device was most recently observed by GreyNoise (YYY-MM-DD)

GNQL Query: classification:malicious AND source_country:India and destination_country: Belgium

This query allows you to specifies additional query arguments. Using this field is required in order to limit the amount of data that is ingested.

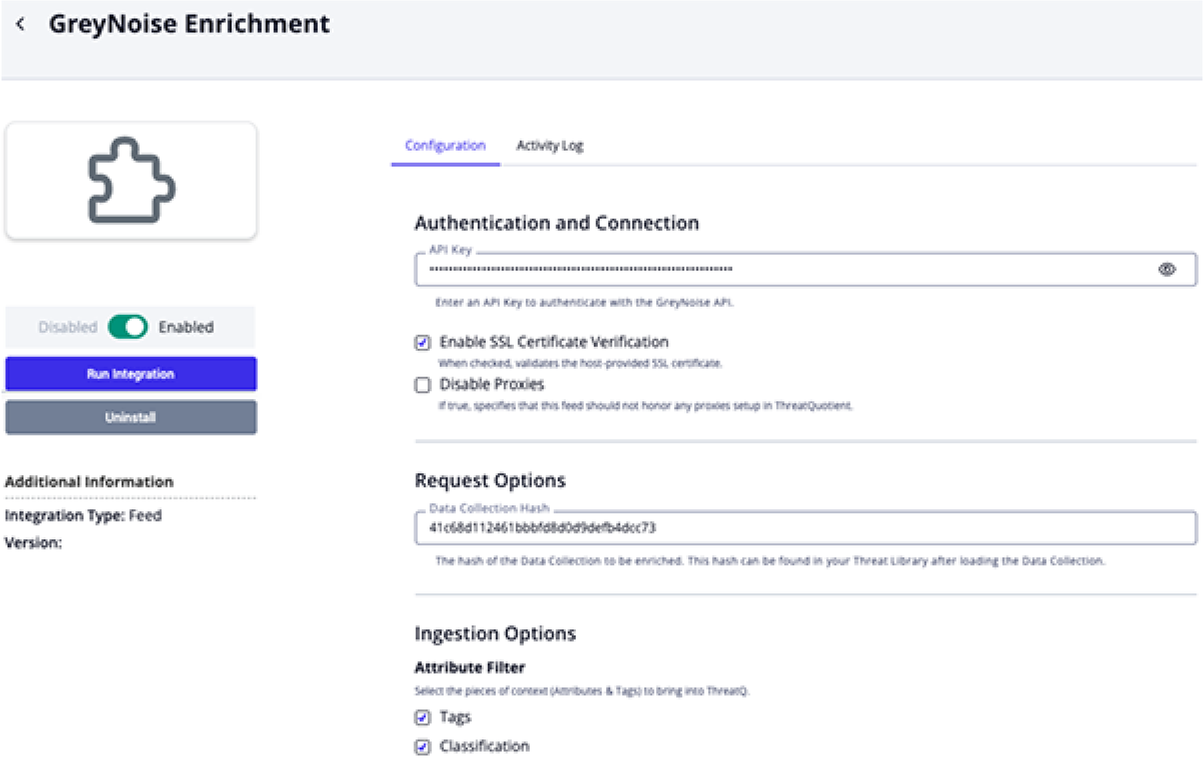
Items Per Page: 500

The number of items to return per page from the GreyNoise API. If you are running into 400 errors, try lowering this number.

GreyNoise Enrichment Configuration Parameters

PARAMETER	DESCRIPTION
API Token	Your GreyNoise API Token.
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.
Data Collection Hash	The hash of the Data Collection to be enriched. This hash can be found in your Threat Library after loading the Data Collection. The hash will be in the browser's URL. **Example:** https://<instance>/threat-library**#38d08c87b6e81a37a8591444f8c5dba5**
Attribute Filter	Select the pieces of context, attributes and tags, to ingest into the platform. Options include: ◦ Tags (default) ◦ Classification (default) ◦ Malware Family (default) ◦ Actor (default) ◦ Category (default) ◦ CVE (default) ◦ Country ◦ Country Code (default) ◦ City ◦ Destination Countries ◦ Organization ◦ Is TOR (default) ◦ Is VPN (default) ◦ Is Spoofable ◦ Is Bot ◦ VPN Service ◦ Operating System ◦ ASN ◦ rDNS ◦ Scanned Paths ◦ Scanned Ports
Relationship Filter	Select the related IOC types to ingest into ThreatQ. At the time of this publication, the only option is CVE.

PARAMETER	DESCRIPTION
Ingest CVEs As	Select the entity type to ingest CVEs as in ThreatQ. Options include: ◦ Indicators ◦ Vulnerabilities



GreyNoise Enrichment

Disabled ● Enabled

Run Integration

Uninstall

Additional Information

Integration Type: Feed

Version:

Configuration | Activity Log

Authentication and Connection

API Key: ••

Enter an API Key to authenticate with the GreyNoise API.

☑ Enable SSL Certificate Verification

When checked, validates the host-provided SSL certificate.

□ Disable Proxies

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

Request Options

Data Collection Hash: 41c68d112461bbbfd8d0d9defb4dcc73

The hash of the Data Collection to be enriched. This hash can be found in your Threat Library after loading the Data Collection.

Ingestion Options

Attribute Filter

Select the pieces of context (Attributes & Tags) to bring into ThreatQ.

☑ Tags

☑ Classification

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

GreyNoise

The GreyNoise feed ingests new, malicious IP Addresses every day. Additionally, a GNQL query can be provided to narrow down the results.

```
GET https://api.greynoise.io/v3/gnql
```

Sample Parameters:

```
{
  "query": "last_seen:1d AND classification:malicious AND
destination_country:Iceland"
}
```

GreyNoise Enrichment

The GreyNoise Enrichment feed enriches IP Addresses from a given Threat Collection with information from GreyNoise.

```
POST https://api.greynoise.io/v3/ip
```

Shared Response and Mapping

The following sample response and mapping table can be used for both feeds.

Sample Response:

```
{
  "data": [
    {
      "business_service_intelligence": {
        "category": "public_dns",
        "description": "Cloudflare, Inc. is an American web infrastructure and
website security company, providing content delivery network (CDN) services,
distributed denial of service (DDoS) mitigation, Internet security, and
distributed domain name system (DNS) services. This is their public DNS
offering.",
        "explanation": "Public DNS services are used as alternatives to ISP's
name servers. You may see devices on your network communicating with Cloudflare
Public DNS over port 53/TCP or 53/UDP to resolve DNS lookups.",
        "found": true,
        "last_updated": "2025-12-05T09:11:03Z",
        "name": "Cloudflare Public DNS",
        "reference": "https://one.one.one.one",
        "trust_level": "1"
      },
      "internet_scanner_intelligence": {
        "actor": "APT9",
        "bot": false,
        "classification": "malicious",
        "cves": [
          "CVE-2020-1234",
          "CVE-2021-2345"
        ],
        "first_seen": "2025-12-01",
        "found": false,
        "last_seen": "",
        "last_seen_benign": "",
        "last_seen_malicious": "",
        "last_seen_suspicious": "",
        "last_seen_timestamp": "",
        "metadata": {
          "asn": "AS3462",
          "carrier": "",
          "category": "isp",
          "datacenter": "",
          "destination_asns": [],
          "destination_cities": [],
          "destination_countries": [
            "Germany"
          ],
          "destination_country_codes": [
            "DE"
          ],
          "domain": "",
          "latitude": 0,
          "longitude": 0,
          "mobile": false,
          "organization": "Data Communication Business Group",
          "os": "Windows 7/8",
          "rdns": "crawl-66-249-79-17.googlebot.com",
          "rdns_parent": "",
          "rdns_validated": false,
          "region": "",
          "sensor_count": 0,
          "sensor_hits": 0,
          "single_destination": false,
          "source_city": "Milan",
          "source_country": "Italy",
          "source_country_code": "IT"
        },
        "raw_data": {
          "hassh": [],
          "http": {
            "cookie_keys": [],
            "md5": [],
            "method": [],
            "path": [
              "/bootstrap/3.3.6/css/bootstrap.min.css"
            ],
            "request_authorization": [],
            "request_cookies": [],
            "request_header": [],
            "request_origin": [],
            "useragent": []
          },
          "ja3": [],
          "scan": [
            {
              "port": 80,
              "protocol": "TCP"
            }
          ],
          "source": {
            "bytes": 0
          },
          "ssh": {
            "key": []
          },
          "tls": {
            "cipher": [],
            "ja4": []
          }
        },
        "spoofable": true,
        "tags": [
          {
            "id": "0adee501-f8d5-4287-96cf-0c7f47e4e2b3",
            "slug": "apple-ios-lockdownd-scanner",
            "name": "Apple iOS Lockdownd Crawler",
            "description": "IP addresses with this tag have been observed
attempting to discover legacy Apple iOS devices with remotely accessible
lockdownd service.",
            "category": "activity",
            "intention": "suspicious",
            "references": [
              "https://www.theiphonewiki.com/wiki/Usbmux#lockdownd_protocol",
              "https://www.zdziarski.com/blog/wp-content/uploads/2014/08/
Zdziarski-iOS-DI-2014.pdf",
              "https://gist.github.com/ddz/b6879ba86fc7ddc2e26f",
              "https://support.apple.com/en-us/HT203034"
            ],
            "cves": [],
            "recommend_block": false,
            "created": "2021-09-03",
            "updated_at": "2025-12-09T17:05:28.043568Z"
          },
          {
            "id": "0adee501-f8d5-4287-96cf-0c7f47e4e2b4",
            "slug": "emotet",
            "name": "Emotet",
            "description": "IP addresses with this tag have been observed 
attempting to send phishing attacks.",
            "category": "activity",
            "intention": "suspicious",
            "references": [
            ],
            "cves": [],
            "recommend_block": false,
            "created": "2021-09-03",
            "updated_at": "2025-12-09T17:05:28.043568Z"
          }
        ],
        "tor": false,
        "vpn": false,
        "vpn_service": "Cisco"
      },
      "ip": "1.1.1.1"
    }
  ]
}
```

ThreatQuotient provides the following default mapping for both feeds based on fields within each of the `.data[]`:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.ip`	Indicator.Value	IP Address	`.first_seen`	`1.1.1.1`	N/A
`.business_service_intelligence.explanation`	Indicator.Description	N/A	N/A	`Public DNS services are used as alternatives ...`	N/A
`.business_service_intelligence.description`	Indicator.Description	N/A	N/A	`Cloudflare, Inc. is an American web infrastructure ...`	N/A
`.internet_scanner_intelligence.tags[].name`	Indicator.Tags	N/A	N/A	`Apple iOS Lockdownd Crawler`	User-configurable.
`.internet_scanner_intelligence.actor`	Indicator.Attribute	Actor	`.first_seen`	`APT9`	User-configurable. If this is 'unknown', it will be ignored.
`.internet_scanner_intelligence.classification`	Indicator.Attribute	Classification	`.first_seen`	`malicious`	User-configurable.
`.internet_scanner_intelligence.metadata.rdns`	Indicator.Attribute	rDNS	`.first_seen`	`crawl-66-249-79-17.googlebot.com`	User-configurable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.internet_scanner_intelligence.metadata.source_country`	Indicator.Attribute	Source Country	`.first_seen`	`Italy`	User-configurable
`.internet_scanner_intelligence.metadata.source_country_code`	Indicator.Attribute	Country Code	`.first_seen`	`IT`	User-configurable
`.internet_scanner_intelligence.metadata.source_city`	Indicator.Attribute	Source City	`.first_seen`	`Milan`	User-configurable
`.internet_scanner_intelligence.metadata.destination_countries[]`	Indicator.Attribute	Destination Country	`.first_seen`	`Germany`	User-configurable
`.internet_scanner_intelligence.metadata.destination_country_codes[]`	Indicator.Attribute	Destination Country Code	`.first_seen`	`DE`	User-configurable
`.internet_scanner_intelligence.metadata.organization`	Indicator.Attribute	Organization	`.first_seen`	`Data Communication Business Group`	User-configurable
`.internet_scanner_intelligence.metadata.asn`	Indicator.Attribute	ASN	`.first_seen`	`AS3462`	User-configurable
`.internet_scanner_intelligence.tor`	Indicator.Attribute	Is Tor	`.first_seen`	`False`	User-configurable. This is converted to string. Updatable.
`.internet_scanner_intelligence.metadata.os`	Indicator.Attribute	Operating System	`.first_seen`	`Windows 7/8`	User-configurable
`.internet_scanner_intelligence.metadata.category`	Indicator.Attribute	Category	`.first_seen`	`isp`	User-configurable
`.internet_scanner_intelligence.raw_data.http.path[]`	Indicator.Attribute	Scanned Path	`.first_seen`	`/bootstrap/3.3.6/css/bootstrap.min.css`	User-configurable
`.internet_scanner_intelligence.raw_data.scan[].port`	Indicator.Attribute	Scanned Port	`.first_seen`	`80`	User-configurable
`.internet_scanner_intelligence.bot`	Indicator.Attribute	Is Bot	`.first_seen`	`False`	User-configurable. This is converted to string. Updatable.
`.internet_scanner_intelligence.vpn`	Indicator.Attribute	Is VPN	`.first_seen`	`False`	User-configurable. This is converted to string. Updatable.
`.internet_scanner_intelligence.spoofable`	Indicator.Attribute	Is Spoofable	`.first_seen`	`True`	User-configurable. This is converted to string. Updatable
`.internet_scanner_intelligence.vpn_service`	Indicator.Attribute	VPN Service	`.first_seen`	`Cisco`	User-configurable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.internet_scanner_intelligence.tags[]`	Indicator.Attribute	Malware Family	`.first_seen`	`Emotet`	User-configurable. In value in the table below `Greynoise Malware Tags Mapping`
`.business_service_intelligence.name`	Indicator.Attribute	Name	`.first_seen`	`Google Public DNS`	N/A
`.business_service_intelligence.trust_level`	Indicator.Attribute	Trust Level	`.first_seen`	`Trustworthy`	Mapped according to `Greynoise Trust Mapping`
`.business_service_intelligence.reference`	Indicator.Attribute	Reference	`.first_seen`	`https://one.one.one.one`	N/A
`.internet_scanner_intelligence.cves[]`	Related Indicator.Vulnerability	CVE/Vulnerability	`.first_seen`	`CVE-2020-1234`	User-configurable. Ingested according to `Ingest CVEs`

GreyNoise Malware Tags Mapping

The following is how GreyNoise malware tags are mapped as attribute values in ThreatQ.

GREYNOISE MALWARE TAG	THREATQ ATTRIBUTE VALUE
emotet	Emotet
trickbot	TrickBot
mirai	Mirai
looks like conficker	Conficker
d3c3mb3r botnet	D3C3MB3R Bot
looks like eternalblue	EternalBlue
zmeu worm	ZmEu
e6 group	E6
zte router worm	ZTE Router Worm
ssh bruteforcer	SSH Bruteforcer
androxgh0st	Androxgh0st
zyxel router worm	Zyxel Router Worm

GreyNoise Trust Level Mapping

The following is how GreyNoise trust levels are mapped as attribute values in ThreatQ.

GREYNOISE TRUST LEVEL	THREATQ ATTRIBUTE VALUE
1	Trustworthy
2	Somewhat Trustworthy

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.

GreyNoise

METRIC	RESULT
Run Time	1 minute
Indicators	8,591
Indicator Attributes	469,101
Vulnerabilities	134

GreyNoise Enrichment

METRIC	RESULT
Run Time	1 minute
Indicators	6
Indicator Attributes	1,310
Vulnerabilities	5

Known Issues / Limitations

- The current implementation of GreyNoise feed will not prevent the timeout errors from occurring, but it will minimize them. Also, should the error occur, the integration will still ingest the information it has received up to that point. Users should include as many limiting search parameters as they can in order to prevent any timeout errors they might encounter from the Greynoise API.

Change Log

- **Version 1.6.0**
    - Updated both feeds, **GreyNoise** and **GreyNoise Enrichment**, to utilize GreyNoise v3 api endpoints.
    - Added the following new configuration parameters for both feeds:
        - **Enable SSL Certificate Verification -** determine if the feed should validate the host-provided SSL certificate.
        - **Disable Proxies -** determine if the feed should honor proxies set in the ThreatQ UI.
        - **Relationship Filter -** select the related IOC types to ingest into ThreatQ.
        - **Ingest CVEs As -** Select the entity type to ingest CVEs as in ThreatQ.
    - Updated the minimum ThreatQ version to 5.6.0.
- **Version 1.5.3**
    - Resolved an issue where users would encounter a `Error creating objects from threat data` error with the **GreyNoise** feed when `first_seen` contained an empty string.
- **Version 1.5.2**
    - Added the ability to ingest the `Destination Country` attribute.
- **Version 1.5.1**
    - Added the GreyNoise feed back into the integration.
    - The **user agent** has been updated to be unique for each feed.
- **Version 1.5.0**
    - Added configuration field, **Attribute Filter**, that allows you to select which context is ingested into the ThreatQ platform.
    - Resolved an issue where certain attributes would only be ingested if the **vpn** attribute existed.
    - Lowered the default limit parameter to prevent hitting pagination scroll ID timeouts. The parameter is now configurable from the configuration page: **Items per Page**.
    - Updated the minimum ThreatQ version to 4.58.0.
    - Fixed typo for the rDNS attribute (was RDSN)
    - Removed GreyNoise feed due to GreNoise limitations regarding large data ingestion
- **Version 1.4.0**
    - Improved integration performance by saving CVE, Malware, RDNS, and ASN as attributes.
    - Removed the **Ingest CVEs** parameter from the configuration page.
- **Version 1.3.0**
    - Fixed a filter error with the GreyNoise Enrichment feed that would occur when GreyNoise did not return any enrichment data.
    - Added a manual run option for the GreyNoise Enrichment feed.
- **Version 1.2.0**
    - Added new GreyNoise Enrichment feed.
    - Add new user configuration fields for GreyNoise feed.
- **Version 1.1.0**
    - Added new user field.
    - Added published date to all attributes.

    - Added tags.
- **Version 1.0.1**
    - Limited the number of ingested `paths` attributes to 9000 to improve integration performance.
- **Version 1.0.0**
    - Initial Release