ThreatQuotient

A Securonix Company

Censys Action

Version 1.1.0

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ThreatQ Supported

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Contents

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

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.0
Compatible with ThreatQ Versions	>= 6.5.0
ThreatQ TQO License Required	Yes
Support Tier	ThreatQ Supported

Introduction

The Censys Action integration enriches ThreatQ indicators with context obtained from the Censys API that can be used to proactively protect an organization against advanced threat actors.

The integration provides the following action:

- **Censys Enrichment** - ingests data about indicators of compromise related to network activity.

The action is compatible with and returns the enriched Indicator objects.

This action is intended for use with ThreatQ TDR Orchestrator (TQO). An active TQO license is required for this feature.

Prerequisites

- An active ThreatQ TDR Orchestrator (TQO) license.
- A data collection containing indicator objects.
- A Censys Platform API Personal Access Token.
- A Censys `API Access Role` role assigned to the Personal Access Token.
- A Censys Organization ID.

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 action zip file.
3. Navigate to the integrations management page on your ThreatQ instance.
4. Click on the **Add New Integration** button.
5. Upload the action zip file using one of the following methods:
    - Drag and drop the zip file into the dialog box
    - Select **Click to Browse** to locate the zip file on your local machine

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

You will still need to configure the action.

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 **Actions** option from the *Category* dropdown (optional).
3. Click on the action entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

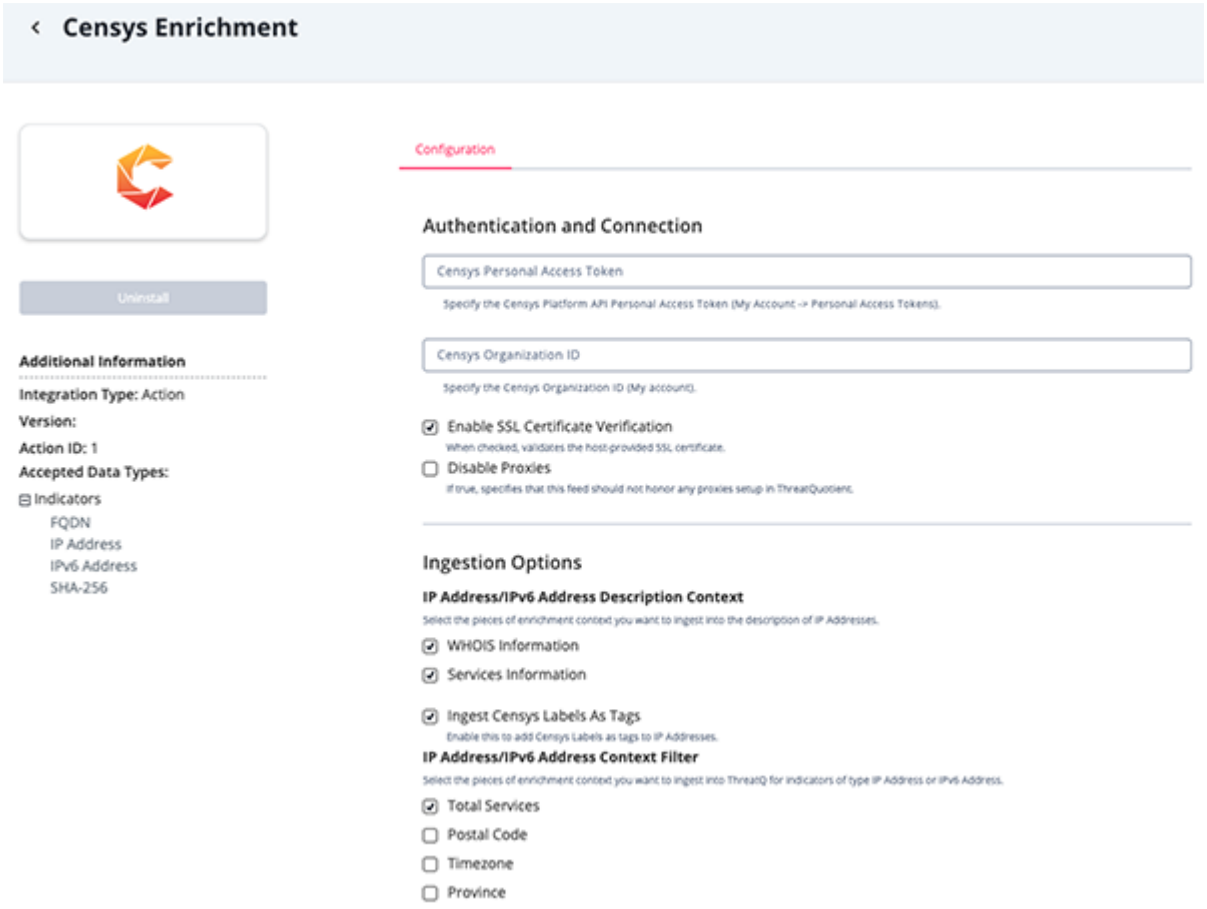
> The configurations set on this page will be used as the default settings when inserting this action into a new workflow. Updating the configurations on this page will not update any instances of this action that have already been deployed to a workflow. In that scenario, you must update the action's configurations within the workflow itself.

PARAMETER	DESCRIPTION
Censys Personal Access Token	Your Censys API ID.
Censys Organization ID	Your Census API Secret.
Enable SSL Certificate Verification	Enable this parameter if the action should validate the host-provided SSL certificate.
Disable Proxies	Enable this parameter if the action should not honor proxies set in the ThreatQ UI.
IP Address/IPv6 Address Description Context	Select the pieces of enrichment context to ingest into the description of IP Addresses. Options include: ◦ WHOIS Information ◦ Services Information

PARAMETER	DESCRIPTION
Ingest Censys Labels As Tags	Enable this parameter to add Censys Labels as tags to indicators.
IP Address/IPv6 Address Context Filter	Select the pieces of enrichment context to ingest into ThreatQ for IP Address or IPv6 Address type indicators. Options include: ◦ Total Services ◦ Postal Code ◦ Timezone ◦ Province ◦ Country Code (default) ◦ Continent ◦ City (default) ◦ Country ◦ Network Country Code ◦ AS Name (default) ◦ BGP Prefix ◦ ASN (default) ◦ Vendor ◦ Product ◦ CPE ◦ Source
Certificates Context Filter	Select the pieces of enrichment context to ingest into ThreatQ for SHA-256 type indicators. Options include: ◦ Issuer Distinguished Name (default) ◦ Subject DN ◦ Serial Number (default) ◦ Self Signed ◦ Valid Signature ◦ Signature Algorithm Name ◦ Signature Algorithm OID ◦ Signature ◦ DNS Name (default) ◦ Browser Trust Apple ◦ Browser Trust Microsoft ◦ Browser Trust Mozilla NSS ◦ Browser Trust Chrome ◦ Common Name ◦ Key Type (default) ◦ Key Length ◦ Modulus ◦ Key Encipherment ◦ Digital Signature ◦ Server Auth ◦ Client Auth ◦ Is Certificate Authority ◦ AIA Paths OCSP ◦ AIA Paths Issuer ◦ Valid Until ◦ Valid From

PARAMETER	DESCRIPTION
FQDN Context Filter	Select the pieces of enrichment context to ingest into ThreatQ for indicators of type FQDN. Options include: ◦ Port ◦ CPE ◦ Issuer Distinguished Name ◦ Subject DN
IP Address/IPv6 Address Relationship Filter	Select the relationships to include in the context enrichment for each IP Address. Options include: ◦ DNS Names ◦ CVEs ◦ Certificate SHA256 Fingerprint ◦ Certificate SHA1 Fingerprint ◦ Certificate MD5 Fingerprint
Ingest CVEs As	Select the entity type to ingest CVE IDs as in ThreatQ. Options include: indicator and vulnerability. This parameter is only accessible if you have selected the CVEs option for the **IP Address/IPv6 Address Relationship Filter** parameter.
Certificates Relationship Filter	Select which relationship context to ingest into ThreatQ for SHA-256 type indicators. Options include: ◦ Fingerprint SHA-1 (default) ◦ Fingerprint MD5 (default) ◦ TBS Fingerprint SHA-256 ◦ TBS No CT Fingerprint SHA-256 ◦ SPKI Fingerprint SHA-256 ◦ Parent SPKI Fingerprint SHA-256 ◦ DNS Names
FQDN Relationship Filter	Select which relationship context to ingest into ThreatQ for indicators of type FQDN. Options include: ◦ Fingerprint SHA-256 ◦ Fingerprint SHA-1

PARAMETER	DESCRIPTION
	◦ Fingerprint MD5 ◦ IP Address
Objects per run	Maximum number of objects to process per-run.



5. Review any additional settings, make any changes if needed, and click on **Save**.

Actions

The following action is available:

ACTION	DESCRIPTION	OBJECT TYPE	OBJECT SUBTYPE
Censys Enrichment	Enriches indicators with Censys data	Indicator	FQDN, IP Address, IPv6 Address, SHA-256

Censys Enrichment

The Censys Enrichment action queries indicators contained in a threat-library collection against Censys Search API.

The API Mapping depends on the indicator type.

IP Address, IPv6 Address

```
GET https://api.platform.censys.io/v3/global/asset/host/141.11.179.22
```

Sample Response:


```
{
  "result": {
    "resource": {
      "ip": "141.11.179.22",
      "location": {
        "continent": "Europe",
        "country": "Czech Republic",
        "country_code": "CZ",
        "city": "Prague",
        "postal_code": "110 00",
        "timezone": "Europe/Prague",
        "province": "Prague",
        "coordinates": {
          "latitude": 50.08804,
          "longitude": 14.42076
        }
      },
      "autonomous_system": {
        "asn": 29208,
        "description": "QUANTCOM-AS Quantcom a.s.",
        "bgp_prefix": "141.11.179.0/24",
        "name": "QUANTCOM-AS Quantcom a.s.",
        "country_code": "CZ"
      },
      "whois": {
        "network": {
          "handle": "NET-141-11-179-0-24",
          "name": "Private Customer",
          "cidrs": [
            "141.11.179.0/24"
          ],
          "created": "2023-09-27T00:00:00Z",
          "updated": "2025-02-12T00:00:00Z",
          "allocation_type": "ALLOCATION"
        },
        "organization": {
          "handle": "ORG-PC276-RIPE",
```

```
        "name": "Private Customer",
        "address": "Private Residence",
        "street": "1600 Amphitheatre Parkway",
        "city": "Mountain View",
        "state": "CA",
        "postal_code": "94043",
        "country": "US",
        "abuse_contacts": [
          {
            "handle": "PC18660-RIPE",
            "name": "Private Customer",
            "email": "report@abuseradar.com"
          }
        ],
        "admin_contacts": [
          {
            "handle": "ZG39-ARIN",
            "name": "Google LLC",
            "email": "arin-contact@google.com"
          }
        ],
        "tech_contacts": [
          {
            "handle": "ZG39-ARIN",
            "name": "Google LLC",
            "email": "arin-contact@google.com"
          }
        ]
      }
    },
    "services": [
      {
        "protocol": "HTTP",
        "transport_protocol": "tcp",
        "vulns": [
          {
            "source": "third_party",
            "confidence": 0.25,
            "evidence": [
              {
                "found_value": "cpe:2.3:a:f5:nginx:1.18.0:*:*:*:*:*:*:*",
                "semver_expression": ">=1.11.0 && <1.34.2"
              }
            ],
            "id": "CVE-2025-1695",
            "year": 2025,
            "risk_source": "cve",
            "severity": "medium",
            "metrics": {
              "epss": {
```

```
                  "percentile": 0.068,
                  "score": 0.03
                },
                "cvss_v31": {
                  "score": 5.3,
                  "vector": "CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:L",
                  "components": {
                    "attack_vector": "network",
                    "attack_complexity": "low",
                    "privileges_required": "none",
                    "user_interaction": "none",
                    "scope": "unchanged",
                    "confidentiality": "none",
                    "integrity": "none",
                    "availability": "low"
                  }
                },
                "cvss_v40": {
                  "score": 6.9,
                  "vector": "CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/
SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/
MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X",
                  "components": {
                    "attack_vector": "network",
                    "attack_complexity": "low",
                    "privileges_required": "none",
                    "user_interaction": "none",
                    "attack_requirements": "none"
                  }
                }
              },
              "name": "CVE-2025-1695"
            }
          ],
          "software": [
            {
              "source": "recog",
              "confidence": 0.25,
              "evidence": [
                {
                  "data_path": "http.headers.server"
                }
              ],
              "part": "a",
              "vendor": "f5",
              "product": "nginx",
              "version": "1.18.0",
              "cpe": "cpe:2.3:a:f5:nginx:1.18.0:*:*:*:*:*:*:*",
              "life_cycle": {
                "release_date": "2020-04-21T00:00:00Z"
```

```
              }
            }
          ],
          "ip": "141.11.179.22",
          "scan_time": "2025-08-13T07:35:05Z",
          "representative_info": {
            "reason": "protocol_port_count",
            "sampled_port": 2
          },
          "banner": "HTTP/1.1 302 Moved Temporarily\r\nServer: nginx/1.18.0
(Ubuntu)\r\nDate:  <REDACTED>\r\nContent-Type: text/html\r\nContent-Length:
154\r\nConnection: close\r\nLocation: 444\r\n",
          "banner_hash_sha256":
"abe1d19c252a092e785e668b43447fd43c5875cb4a5d8ffe09c996ec67be3547",
          "endpoints": [
            {
              "hostname": "141.11.179.22",
              "port": 2,
              "path": "/",
              "endpoint_type": "HTTP",
              "transport_protocol": "tcp",
              "scan_time": "2025-08-13T07:35:05Z",
              "banner": "HTTP/1.1 302 Moved Temporarily\r\nServer: nginx/1.18.0
(Ubuntu)\r\nDate:  <REDACTED>\r\nContent-Type: text/html\r\nContent-Length:
154\r\nConnection: close\r\nLocation: 444\r\n",
              "banner_hash_sha256":
"abe1d19c252a092e785e668b43447fd43c5875cb4a5d8ffe09c996ec67be3547",
              "http": {
                "uri": "http://141.11.179.22:2/",
                "protocol": "HTTP/1.1",
                "status_code": 302,
                "status_reason": "Moved Temporarily",
                "headers": {
                  "Connection": {
                    "headers": [
                      "close"
                    ]
                  }
                },
                "html_tags": [
                  "<title>302 Found</title>"
                ],
                "body_size": 154,
                "body": "<html>\r\n<head><title>302 Found</title></
head>\r\n<body>\r\n<center><h1>302 Found</h1></center>\r\n<hr><center>nginx/
1.18.0 (Ubuntu)</center>\r\n</body>\r\n</html>\r\n",
                "html_title": "302 Found",
                "body_hash_sha256":
"70c5f715dfb4f07671c29b36e542db2d27e9b17c24520eb00bcef73d2343370b",
                "body_hash_sha1": "fc62410b186e210cb3e56b68dc79dbede8541aca",
```

```
              "supported_versions": [
                "HTTP/1.1"
              ]
            },
            "ip": "141.11.179.22"
          }
        ],
        "cert": {
          "fingerprint_sha256":
"649981865a3effb5ff7be7c842e336ea61f14f5696cc1bde9b068dd03cd6c29d",
          "fingerprint_sha1": "731bceed54fa81fc066acd8324f47dd16be28757",
          "fingerprint_md5": "93889cd7ede2507bd7621b13597c9722",
          "tbs_fingerprint_sha256":
"e8a9b9fed69a2f38099a629b258d2e00ef527c49f67585f3585158a1628c0406",
          "tbs_no_ct_fingerprint_sha256":
"f97bd4e2b2b18147fc5e3d2e2663aec33a7f09d18db5e86894fe4b3816b26911",
          "spki_fingerprint_sha256":
"0b3275c802ace0531a6e27793b9c605d96fc5289690c2fb82e6bc634a4e57eac",
          "parent_spki_fingerprint_sha256":
"95b148afc4c249d314067527813d43973574f8e11a905040c881510026ae74f9",
          "parsed": {
            "version": 3,
            "serial_number": "328139396916805465544730781911864163898",
            "issuer_dn": "C=US, O=Google Trust Services, CN=WR2",
            "issuer": {
              "common_name": [
                "WR2"
              ],
              "country": [
                "US"
              ],
              "organization": [
                "Google Trust Services"
              ]
            },
            "subject_dn": "CN=dns.google",
            "subject": {
              "common_name": [
                "dns.google"
              ]
            },
            "subject_key_info": {
              "key_algorithm": {
                "name": "RSA",
                "oid": "1.2.840.113549.1.1.1"
              },
              "rsa": {
                "exponent": 65537,
                "modulus":
"8f753a1d9a715147b659c6e1402d17ed774311933f0fd881688538b30e42fe09865a80870291d7
```

```
1eabdf51597e7917437bdbe6488ee3dab12433c8b5d09116eeb818154c35e88cb6d1544beab6274
10163338c3d9dddfeadfeae579e10d057d49527570a04a2259a0ff1a26c26b32a177bc65abf6e6d
85f71e9a3d85117a178e1327d12ac25bbcdca6d3af7f0f2a3d7df6bb6ece2038c0aa38de86c1b23
8ccdf4cd10edee0e91f166a003646a732acceee596cda5b8b23d7bffd28a4d6ab29cee31c0c835d
73e312508af09c03ff7657f343b8ec1e33b9fe3d9656fc99739003cf8af3ededfaeab9e99616b24
8831fa5778a49e3d5673ea97ebfc5a4a70de665",
                  "length": 2048
                },
                "fingerprint_sha256":
"3bd98c803f00e4579529931b920f073a8ff3047cb3de0f65492a99fd32725c1c"
              },
              "validity_period": {
                "not_before": "2025-07-07T08:35:58Z",
                "not_after": "2025-09-29T08:35:57Z",
                "length_seconds": 7257600
              },
              "signature": {
                "signature_algorithm": {
                  "name": "SHA256-RSA",
                  "oid": "1.2.840.113549.1.1.11"
                },
                "value":
"720fe29310663113889e890cb53bfc1e8d002c0113f7c863fbbf4120605dc7e5306b87e3a2af10
0211dd95d20121cf9400724e9b56879e25451e7751b969aae70d9a835d3264467577f78ac82d9af
866220367f948ffe17a0a9fa4c6cc4df3bf567b23db400de87fcd5bb9e6db972479133d2a44057a
9ea35e32b0b7a7dad816fae6854badded183b599c33280877b1b9b57e737d7360328656ee0ae73a
3e8e66fcaa640f62e9cb89aa32780a2ddab062846d4002094029cada88c93883c67d6f4a2d59676
812caa7af534863d8d5a6af0d2195da2096d1c8a27e612e5eacf488338222048deaa2b677db5a03
ec2cf9364d5ed4f1e4643890b66425dbf43804b",
                "valid": true
              },
              "extensions": {
                "key_usage": {
                  "digital_signature": true,
                  "key_encipherment": true,
                  "value": 5
                },
                "basic_constraints": {},
                "subject_alt_name": {
                  "dns_names": [
                    "dns.google",
                    "dns.google.com",
                    "*.dns.google.com",
                    "8888.google",
                    "dns64.dns.google"
                  ],
                  "ip_addresses": [
                    "8.8.8.8",
                    "8.8.4.4",
                    "2001:4860:4860::8888",
                    "2001:4860:4860::8844",
```

```
                    "2001:4860:4860::6464",
                    "2001:4860:4860::64"
                  ]
                },
                "crl_distribution_points": [
                  "http://c.pki.goog/wr2/oQ6nyr8F0m0.crl"
                ],
                "authority_key_id": "de1b1eed7915d43e3724c321bbec34396d42b230",
                "subject_key_id": "b8797f819971523812ef946505cb1cf95373c511",
                "extended_key_usage": {
                  "server_auth": true
                },
                "certificate_policies": [
                  {
                    "id": "2.23.140.1.2.1"
                  }
                ],
                "authority_info_access": {
                  "ocsp_urls": [
                    "http://o.pki.goog/wr2"
                  ],
                  "issuer_urls": [
                    "http://i.pki.goog/wr2.crt"
                  ]
                },
                "signed_certificate_timestamps": [
                  {
                    "log_id":
"ccfb0f6a85710965fe959b53cee9b27c22e9855c0d978db6a97e54c0fe4c0db0",
                    "timestamp": "2025-07-07T09:36:02Z",
                    "signature": {
                      "hash_algorithm": "SHA256",
                      "signature_algorithm": "ECDSA",
                      "signature":
"3045022062bc305a66494cbb3f335c93968d874854ba737187f098c5d303abfbe58000d9022100
f5b691af7fcf21587c2039a534f89ac8fa6ccc36b9389e702d6c7154cb2b04b3"
                    }
                  },
                  {
                    "log_id":
"dddcca3495d7e11605e79532fac79ff83d1c50dfdb003a1412760a2cacbbc82a",
                    "timestamp": "2025-07-07T09:36:00Z",
                    "signature": {
                      "hash_algorithm": "SHA256",
                      "signature_algorithm": "ECDSA",
                      "signature":
"304402200d4cd812a6975b0bc60bb5a14e68fbe8e1e24d3a7af3e9b29c79615eb747899a022057
a2b46fcf53857b4a75155fe24c9395e8a0e702357549263231298632ce7b08"
                    }
                  }
```

```
              ]
            },
            "serial_number_hex": "f6dd595b0c2839cd0912a6e66311be3a"
          },
          "names": [
            "*.dns.google.com",
            "8.8.4.4",
            "8.8.8.8",
            "8888.google",
            "dns.google",
            "dns.google.com",
            "dns64.dns.google"
          ],
          "validation_level": "dv",
          "validation": {
            "chrome": {
              "is_valid": true,
              "ever_valid": true,
              "has_trusted_path": true,
              "had_trusted_path": true,
              "chains": [
                {
                  "sha256fp": [

"e6fe22bf45e4f0d3b85c59e02c0f495418e1eb8d3210f788d48cd5e1cb547cd4",

"d947432abde7b7fa90fc2e6b59101b1280e0e1c7e4e40fa3c6887fff57a7f4cf"
                  ]
                }
              ],
              "parents": [

"e6fe22bf45e4f0d3b85c59e02c0f495418e1eb8d3210f788d48cd5e1cb547cd4"
              ],
              "type": "leaf"
            }
          },
          "revocation": {
            "ocsp": {
              "reason": "unspecified"
            },
            "crl": {
              "reason": "unspecified"
            }
          },
          "ct": {
            "entries": {
              "cloudflare_nimbus_2025": {
                "index": 2447587047,
                "added_to_ct_at": "2025-08-12T08:41:46Z",
```

```
                "ct_to_censys_at": "2025-08-12T09:56:44Z"
              }
            }
          },
          "ever_seen_in_scan": true,
          "added_at": "2025-07-20T19:37:19Z",
          "modified_at": "2025-08-13T03:44:25Z",
          "validated_at": "2025-08-13T03:44:25Z",
          "parse_status": "success",
          "zlint": {
            "version": 3,
            "timestamp": "2025-07-20T19:37:19Z",
            "notices_present": true,
            "failed_lints": [
              "n_subject_common_name_included"
            ]
          },
          "spki_subject_fingerprint_sha256":
"0b3275c802ace0531a6e27793b9c605d96fc5289690c2fb82e6bc634a4e57eac",
          "parent_spki_subject_fingerprint_sha256":
"95b148afc4c249d314067527813d43973574f8e11a905040c881510026ae74f9"
        }
      },
      {
        "protocol": "UNKNOWN",
        "transport_protocol": "tcp",
        "ip": "141.11.179.22",
        "scan_time": "2025-08-12T06:50:24Z",
        "representative_info": {
          "reason": "protocol_port_count",
          "sampled_port": 45347
        },
        "banner": "HTTP/1.1 302 Moved Temporarily\r\nServer: nginx/1.18.0
(Ubuntu)\r\nDate: Tue, 12 Aug 2025 06:50:07 GMT\r\nContent-Type: text/
html\r\nContent-Length: 154\r\nConnection: close\r\nLocation:
444\r\n\r\n<html>\r\n<head><title>302 Found</title></
head>\r\n<body>\r\n<center><h1>302 Found</h1></center>\r\n<hr><center>nginx/
1.18.0 (Ubuntu)</center>\r\n</body>\r\n</html>\r\n",
        "banner_hex":
"485454502f312e3120333032204d6f7665642054656d706f726172696c790d0a5365727665723a
206e67696e782f312e31382e3020285562756e7475290d0a446174653a205475652c20313220417
5672032303235203630363a35303a303720474d540d0a436f6e74656e742d547970653a2074657874
2f68746d6c0d0a436f6e74656e742d4c656e6774683a203135340d0a436f6e6e656374696f6e3a2
0636c6f73650d0a4c6f636174696f6e3a203434340d0a0d0a3c68746d6c3e0d0a3c686561643e3c
7469746c653e33303220466f756e643c2f7469746c653e3c2f686561643e0d0a3c626f64793e0d0
a3c63656e7465723e3c68313e33303220466f756e643c2f68313e3c2f63656e7465723e0d0a3c68
723e3c63656e7465723e6e67696e782f312e31382e3020285562756e7475293c2f63656e7465723
e0d0a3c2f626f64793e0d0a3c2f68746d6c3e0d0a"
      }
    ],
```

```
      "service_count": 2,
      "dns": {
        "names": [
          "11451426.xyz"
        ],
        "forward_dns": {
          "11451426.xyz": {
            "resolve_time": "2025-08-12T23:38:32Z",
            "name": "11451426.xyz",
            "record_type": "a"
          }
        }
      },
      "labels": [
        {
          "confidence": 1,
          "source": "censys",
          "value": "IPV4",
          "evidence": [
            {
              "data_path": "http.headers.key",
              "found_value": "cf-ray",
              "literal_match": "cf-ray",
              "semver_expression": ">=0.6.18 && <1.20.1"
            }
          ]
        }
      ],
      "operating_system": {
        "vendor": "Red Hat",
        "component_uniform_resource_identifiers": [],
        "source": "OSI_TRANSPORT_LAYER",
        "other": [],
        "part": "o",
        "product": "Enterprise Linux",
        "cpe": "cpe:2.3:o:redhat:enterprise_linux:7:*:*:*:*:*:*:*"
      }
    },
    "extensions": {}
  }
}
```

ThreatQuotient provides the following default mapping for this action based on the information from `.result.resource`:

WHOIS Information

The following fields are added to the description for IP Address/IPv6 Address indicators if the `WHOIS Information` option is selected for the **IP Address/IPv6 Address Description Context**parameter:

- `.whois.network.name`
- `.whois.network.created`
- `.whois.network.updated`
- `.whois.network.cidrs`
- `.whois.organization.abuse_contacts[].email`
- `.whois.organization.admin_contacts[].email`
- `.whois.organization.tech_contacts[].email`
- `.whois.organization.city`
- `.whois.organization.country`
- `.whois.organization.name`
- `.whois.organization.postal_code`
- `.whois.organization.state`
- `.whois.organization.street`

Services Information

The following fields are added to the description for IP Address/IPv6 Address indicators if the `Services Information` option is selected for the **IP Address/IPv6 Address Description Context**parameter:

- `.services.port`
- `.services.protocol`
- `.services.transport_protocol`
- `.services.scan_time`

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.dns.names[]`	Related Indicator.Value	FQDN	N/A	11451426.xyz	If `DNS Names` enabled in `IP Address/IPv6 Address Relationship Filter`
`.services[].vulns[].id`	Related Indicator/ Vulnerability.Value	CVE/Vulnerability	N/A	CVE-2025-1695	If `CVEs` enabled in `IP Address/IPv6 Address Relationship Filter`. Ingested according to `Ingest CVEs As`
`.services[].services[].cert.fingerprint_sha256`	Related Indicator.Value	SHA-256	N/A	649981865a3effb5ff7be7c842e336ea61f14f569...	If `Certificate SHA256 Fingerprint` enabled in `IP Address/IPv6 Address Relationship Filter`.
`.services[].services[].cert.fingerprint_sha1`	Related Indicator.Value	SHA-1	N/A	731bceed54fa81fc066acd8324f47dd16be28757	If `Certificate SHA1 Fingerprint` enabled in `IP Address/IPv6 Address Relationship Filter`.
`.services[].services[].cert.fingerprint_md5`	Related Indicator.Value	MD5	N/A	93889cd7ede2507bd7621b13597c9722	If `Certificate MD5 Fingerprint` enabled in `IP Address/IPv6 Address Relationship Filter`.
`.services[].vulns[].severity`	Related Indicator/ Vulnerability.Attribute	Severity	N/A	Medium	Title cased. Updatable
`.services[].vulns[].confidence`	Related Indicator/ Vulnerability.Attribute	Confidence	N/A	0.25	Updatable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.services[].vulns[].evidence[].found_value`	Related Indicator/ Vulnerability.Attribute	CPE	N/A	cpe:2.3:a:f5:nginx:1.18.0:::::::*	N/A
`.services[].vulns[].metrics[].epss.score`	Related Indicator/ Vulnerability.Attribute	EPSS Score	N/A	0.03	Updatable
`.services[].vulns[].metrics[].epss.percentile`	Related Indicator/ Vulnerability.Attribute	EPSS Percentile	N/A	0.68	Updatable
`.services[].vulns[].metrics[].cvss_v31.score`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Base Score	N/A	5.3	Updatable
`.services[].vulns[].metrics[].cvss_v31.vector`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Vector String	N/A	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:L	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.attack_vector`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Attack Vector	N/A	network	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.attack_complexity`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Attack Complexity	N/A	low	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.privileges_required`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Privileges Required	N/A	none	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.user_interaction`	Related Indicator/ Vulnerability.Attribute	CVSSv31 User Interaction	N/A	none	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.scope`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Scope	N/A	unchanged	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.confidentiality`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Confidentiality Impact	N/A	none	Updatable
`.services[].vulns[].metrics[].cvss_v31.components.integrity`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Integrity Impact	N/A	none	Updatable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.services[].vulns[].metrics[].cvss_v31.components.availability`	Related Indicator/ Vulnerability.Attribute	CVSSv31 Availability Impact	N/A	low	Updatable
`.services[].vulns[].metrics[].cvss_v40.score`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Base Score	N/A	6.9	Updatable
`.services[].vulns[].metrics[].cvss_v40.vector`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Vector String	N/A	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI...	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.attack_vector`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Attack Vector	N/A	network	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.attack_complexity`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Attack Complexity	N/A	low	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.privileges_required`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Privileges Required	N/A	none	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.user_interaction`	Related Indicator/ Vulnerability.Attribute	CVSSv40 User Interaction	N/A	none	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.confidentiality`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Confidentiality Impact	N/A	N/A	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.integrity`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Integrity Impact	N/A	N/A	Updatable
`.services[].vulns[].metrics[].cvss_v40.components.availability`	Related Indicator/ Vulnerability.Attribute	CVSSv40 Availability Impact	N/A	N/A	Updatable
`.service_count`	Indicator.Attribute	Total Services	N/A	2	User-configurable
`.autonomous_system.country_code`	Indicator.Attribute	Network Country Code	N/A	CZ	User-configurable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.autonomous_system.name`	Indicator.Attribute	AS Name	N/A	QUANTCOM-AS Quantcom a.s.	User-configurable
`.autonomous_system.bgp_prefix`	Indicator.Attribute	BGP Prefix	N/A	141.11.179.0/24	User-configurable
`.autonomous_system.asn`	Indicator.Attribute	ASN	N/A	29208	User-configurable
`.location.postal_code`	Indicator.Attribute	Postal Code	N/A	110 00	User-configurable
`.location.timezone`	Indicator.Attribute	Timezone	N/A	Europe/Prague	User-configurable
`.location.province`	Indicator.Attribute	Province	N/A	Prague	User-configurable
`.location.country_code`	Indicator.Attribute	Country Code	N/A	CZ	User-configurable
`.location.continent`	Indicator.Attribute	Continent	N/A	Europe	User-configurable
`.location.city`	Indicator.Attribute	City	N/A	Prague	User-configurable
`.location.country`	Indicator.Attribute	Country	N/A	Czech Republic	User-configurable
`.operating_system.vendor`	Indicator.Attribute	Vendor	N/A	Red Hat	User-configurable
`.operating_system.product`	Indicator.Attribute	Product	N/A	Enterprise Linux	User-configurable
`.operating_system.cpe`	Indicator.Attribute	CPE	N/A	cpe:2.3:o:redhat:enterprise_linux:7:::::::*	User-configurable
`.operating_system.source`	Indicator.Attribute	Source	N/A	OSI_TRANSPORT_LAYER	User-configurable
`.labels[].value`	Indicator.Tag	N/A	N/A	IPV4	If `Ingest Censys Labels As Tags` is enabled.

FQDN

`POST https://api.platform.censys.io/v3/search/query`

Sample Body:

```
{
  "query": "web.hostname=google.com"
}
```

Sample Response:


```
{
  "result": {
    "hits": [
      {
        "webproperty_v1": {
          "extensions": {},
          "resource": {
            "cert": {
              "added_at": "2025-07-22T08:56:26Z",
              "ct": {
                "entries": {
                  "cloudflare_nimbus_2025": {
                    "added_to_ct_at": "2025-07-22T15:37:57Z",
                    "ct_to_censys_at": "2025-07-22T17:03:08Z",
                    "index": 2263845713
                  },
                  "comodo_sabre_2025_h2": {
                    "added_to_ct_at": "2025-07-22T15:39:02Z",
                    "ct_to_censys_at": "2025-07-22T17:24:45Z",
                    "index": 694719335
                  },
                  "google_argon_2025_h2": {
                    "added_to_ct_at": "2025-07-22T15:37:42Z",
                    "ct_to_censys_at": "2025-07-22T15:46:23Z",
                    "index": 1537466901
                  },
                  "google_xenon_2025_h2": {
                    "added_to_ct_at": "2025-07-22T15:37:43Z",
                    "ct_to_censys_at": "2025-07-22T15:47:05Z",
                    "index": 1576055525
                  },
                  "letsencrypt_ct_oak_2025_h2": {
                    "added_to_ct_at": "2025-07-22T15:37:48Z",
                    "ct_to_censys_at": "2025-07-22T15:43:18Z",
                    "index": 1188586774
                  },
                  "sectigo_elephant_2025_h2": {
                    "added_to_ct_at": "2025-07-22T15:37:46Z",
                    "ct_to_censys_at": "2025-07-22T15:43:24Z",
```

```
                  "index": 548246330
                },
                "sectigo_tiger_2025_h2": {
                  "added_to_ct_at": "2025-07-22T15:37:47Z",
                  "ct_to_censys_at": "2025-07-22T15:42:37Z",
                  "index": 604502824
                },
                "trustasia_log_2025_a": {
                  "added_to_ct_at": "2025-07-22T22:42:51Z",
                  "ct_to_censys_at": "2025-07-22T22:54:29Z",
                  "index": 140846173
                },
                "trustasia_log_2025_b": {
                  "added_to_ct_at": "2025-07-22T15:40:28Z",
                  "ct_to_censys_at": "2025-07-22T15:53:10Z",
                  "index": 133003481
                }
              }
            },
            "ever_seen_in_scan": true,
            "fingerprint_md5": "1152f2dbf5ae019251079423c32b6303",
            "fingerprint_sha1": "609f41d783685e64229d7c5e2d7bc9c507dac6d8",
            "fingerprint_sha256":
"15adbb67d8c139d97fbb381b80a486520cb5d9d1d3cbe80d26c9ecb4d75181fb",
            "modified_at": "2025-08-09T19:55:36Z",
            "names": [
              "*.gkecnapps.cn",
              "*.google-analytics-cn.com",
              "*.google-analytics.com",
              "*.google.ca",
              "*.google.cl",
              "*.google.co.in",
              "*.google.co.jp"
            ],
            "parent_spki_fingerprint_sha256":
"f179aefaca72af5150ceec153c69a84f43b3912a11ed74fa21f0df945fb05037",
            "parent_spki_subject_fingerprint_sha256":
"f179aefaca72af5150ceec153c69a84f43b3912a11ed74fa21f0df945fb05037",
            "parse_status": "success",
            "parsed": {
              "extensions": {
                "authority_info_access": {
                  "issuer_urls": [
                    "http://i.pki.goog/we2.crt"
                  ],
                  "ocsp_urls": [
                    "http://o.pki.goog/we2"
                  ]
                },
                "authority_key_id":
```

```
"75bec477ae89f644377dcfb1681f1d1aebdc3459",
                  "basic_constraints": {},
                  "certificate_policies": [
                    {
                      "id": "2.23.140.1.2.1"
                    }
                  ],
                  "crl_distribution_points": [
                    "http://c.pki.goog/we2/Gt0Gl6QoGAU.crl"
                  ],
                  "extended_key_usage": {
                    "server_auth": true
                  },
                  "key_usage": {
                    "digital_signature": true,
                    "value": 1
                  },
                  "signed_certificate_timestamps": [
                    {
                      "log_id":
"12f14e34bd53724c840619c38f3f7a13f8e7b56287889c6d300584ebe586263a",
                      "signature": {
                        "hash_algorithm": "SHA256",
                        "signature":
"3043022061b8bbe07b359a4fac05fcc50e2c214cbe61e9094d2796f9636ceccbb29c5af7021f38
5c995d97d782f4cec3b6d70b6e73c906c4b8d1ae5838351b7c996e45871b",
                        "signature_algorithm": "ECDSA"
                      },
                      "timestamp": "2025-07-07T09:34:17Z"
                    },
                    {
                      "log_id":
"a442c506496061548f0fd4ea9cfb7a2d26454d87a97f2fdf4559f6274f3a8454",
                      "signature": {
                        "hash_algorithm": "SHA256",
                        "signature":
"304502205cc985dc74744afbec7d5ce3a4d6958d5f07520b928ea1619165fdeddb3a4868022100
b9458231652d4a22ce36922e67223c1ed104e9d587f1a26e1baabd0a441375d3",
                        "signature_algorithm": "ECDSA"
                      },
                      "timestamp": "2025-07-07T09:34:18Z"
                    }
                  ],
                  "subject_alt_name": {
                    "dns_names": [
                      "*.gkecnapps.cn",
                      "*.google-analytics-cn.com",
                      "*.google-analytics.com",
                      "*.google.ca",
                      "*.google.cl",
                      "*.google.co.in",
```

```
                    "*.google.co.jp"
                  ]
                },
                "subject_key_id": "edfd5dda3947d3e71b49bfb0c26b2f5115139e6f"
              },
              "issuer": {
                "common_name": [
                  "WE2"
                ],
                "country": [
                  "US"
                ],
                "organization": [
                  "Google Trust Services"
                ]
              },
              "issuer_dn": "C=US, O=Google Trust Services, CN=WE2",
              "serial_number": "275681765554378825529392251565661853316",
              "serial_number_hex": "cf6660720ceb3df3124e3618e3219684",
              "signature": {
                "signature_algorithm": {
                  "name": "ECDSA-SHA256",
                  "oid": "1.2.840.10045.4.3.2"
                },
                "valid": true,
                "value":
"3046022100fe48f8de808b17ed4c7d0db587e3fba2b373ba8c35e6c6ac131687094b357bf90221
00ea9cadd896639ed6f6e9ce4badeeee5217b668a6d2fc68402360135c4955c25c"
              },
              "subject": {
                "common_name": [
                  "*.google.com"
                ]
              },
              "subject_dn": "CN=*.google.com",
              "subject_key_info": {
                "ecdsa": {
                  "b":
"5ac635d8aa3a93e7b3ebbd55769886bc651d06b0cc53b0f63bce3c3e27d2604b",
                  "curve": "P-256",
                  "gx":
"6b17d1f2e12c4247f8bce6e563a440f277037d812deb33a0f4a13945d898c296",
                  "gy":
"4fe342e2fe1a7f9b8ee7eb4a7c0f9e162bce33576b315ececbb6406837bf51f5",
                  "length": 256,
                  "n":
"ffffffff00000000ffffffffffffffffbce6faada7179e84f3b9cac2fc632551",
                  "p":
"ffffffff00000001000000000000000000000000ffffffffffffffffffffffff",
                  "pub":
```

```
"04b5353f923af2e0daa8b3d08769b12b3db01270fd1410c22eb3717e69283c8a0719701ceea1cc
02917507837d7f6d1e21fcd0f22b89ef57edf86b1209df8beb99",
                    "x":
"b5353f923af2e0daa8b3d08769b12b3db01270fd1410c22eb3717e69283c8a07",
                    "y":
"19701ceea1cc02917507837d7f6d1e21fcd0f22b89ef57edf86b1209df8beb99"
                  },
                  "fingerprint_sha256":
"b7a6eea67668ef0ec8aaa7b35a16000443088c395f674bb95982698c0a0ccf10",
                  "key_algorithm": {
                    "name": "ECDSA",
                    "oid": "1.2.840.10045.2.1"
                  }
                },
                "validity_period": {
                  "length_seconds": 7257600,
                  "not_after": "2025-09-29T08:34:13Z",
                  "not_before": "2025-07-07T08:34:14Z"
                },
                "version": 3
              },
              "revocation": {
                "crl": {
                  "reason": "unspecified"
                },
                "ocsp": {
                  "reason": "unspecified"
                }
              },
              "spki_fingerprint_sha256":
"79ba7ff91347c5ed56264f9cf1ac4b6dce73d3647f04dbc736152e0236f45c6b",
              "spki_subject_fingerprint_sha256":
"79ba7ff91347c5ed56264f9cf1ac4b6dce73d3647f04dbc736152e0236f45c6b",
              "tbs_fingerprint_sha256":
"7c84f78a5cc923c39d3d2eeb26d32eb29275c0b875e53984d9a18efaf4d6f587",
              "tbs_no_ct_fingerprint_sha256":
"430491c1566e7e83ccf1536e10400c245641e87253f9711a1fdccd060ae27a86",
              "validated_at": "2025-08-13T02:49:20Z",
              "validation": {
                "apple": {
                  "chains": [
                    {
                      "sha256fp": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2"
                      ]
                    },
                    {
                      "sha256fp": [
```

```
"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d"
                    ]
                  },
                  {
                    "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"76b27b80a58027dc3cf1da68dac17010ed93997d0b603e2fadbe85012493b5a7",

"ebd41040e4bb3ec742c9e381d31ef2a41a48b6685c96e7cef3c1df6cd4331c99"
                    ]
                  }
                ],
                "ever_valid": true,
                "had_trusted_path": true,
                "has_trusted_path": true,
                "is_valid": true,
                "parents": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320"
                ],
                "type": "leaf"
              },
              "chrome": {
                "chains": [
                  {
                    "sha256fp": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2"
                    ]
                  },
                  {
                    "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d"
                    ]
                  }
                ],
                "ever_valid": true,
                "had_trusted_path": true,
```

```
                  "has_trusted_path": true,
                  "is_valid": true,
                  "parents": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320"
                  ],
                  "type": "leaf"
                },
                "microsoft": {
                  "chains": [
                    {
                      "sha256fp": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2"
                      ]
                    },
                    {
                      "sha256fp": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"bec94911c2955676db6c0a550986d76e3ba005667c442c9762b4fbb773de228c"
                      ]
                    },
                    {
                      "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d"
                      ]
                    },
                    {
                      "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"71cca5391f9e794b04802530b363e121da8a3043bb26662fea4dca7fc951a4bd"
                      ]
                    },
                    {
                      "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"76b27b80a58027dc3cf1da68dac17010ed93997d0b603e2fadbe85012493b5a7",
```

```
"ebd41040e4bb3ec742c9e381d31ef2a41a48b6685c96e7cef3c1df6cd4331c99"
                    ]
                  }
                ],
                "ever_valid": true,
                "had_trusted_path": true,
                "has_trusted_path": true,
                "is_valid": true,
                "parents": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320"
                ],
                "type": "leaf"
              },
              "nss": {
                "chains": [
                  {
                    "sha256fp": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2"
                    ]
                  },
                  {
                    "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d"
                    ]
                  },
                  {
                    "sha256fp": [

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",

"76b27b80a58027dc3cf1da68dac17010ed93997d0b603e2fadbe85012493b5a7",

"ebd41040e4bb3ec742c9e381d31ef2a41a48b6685c96e7cef3c1df6cd4331c99"
                    ]
                  }
                ],
                "ever_valid": true,
                "had_trusted_path": true,
                "has_trusted_path": true,
                "is_valid": true,
```

```
                  "parents": [

"54f8ca858bcc7591f28d8dc3772e9bc581717f3a23a288bfd405939c36208de5",

"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320"
                  ],
                  "type": "leaf"
                }
              },
              "validation_level": "dv",
              "zlint": {
                "failed_lints": [
                  "n_subject_common_name_included"
                ],
                "notices_present": true,
                "timestamp": "2025-07-22T08:56:26Z",
                "version": 3
              }
            },
            "endpoints": [
              {
                "banner": "HTTP/1.1 301 Moved Permanently\r\nLocation: https://
www.google.com/\r\nContent-Type: text/html; charset=UTF-8\r\nContent-Security-
Policy-Report-Only: object-src 'none';base-uri 'self';script-src 'nonce-
Q7mlycxpf2vijrr-zsR4eA' 'strict-dynamic' 'report-sample' 'unsafe-eval' 'unsafe-
inline' https: http:;report-uri https://csp.withgoogle.com/csp/gws/other-
hp\r\nDate:  <REDACTED>\r\nExpires: Fri, 12 Sep 2025 10:05:03 GMT\r\nCache-
Control: public, max-age=2592000\r\nServer: gws\r\nContent-Length: 220\r\nX-
XSS-Protection: 0\r\nX-Frame-Options: SAMEORIGIN\r\nAlt-Svc: h3=\":443\";
ma=2592000,h3-29=\":443\"; ma=2592000\r\n",
                "banner_hash_sha256":
"650c7a87ada07d596c7e7155852f72af6fda38a12bc5547e0efea363a17ccb95",
                "endpoint_type": "HTTP",
                "hostname": "google.com",
                "http": {
                  "body": "<HTML><HEAD><meta http-equiv=\"content-type\"
content=\"text/html;charset=utf-8\">\n<TITLE>301 Moved</TITLE></
HEAD><BODY>\n<H1>301 Moved</H1>\nThe document has moved\n<A HREF=\"https://
www.google.com/\">here</A>.\r\n</BODY></HTML>\r\n",
                  "body_hash_sha1": "b52854d1f79de5ebeebf0160447a09c7a8c2cde4",
                  "body_hash_sha256":
"5b61b0c2032b4aa9519d65cc98c6416c12415e02c7fbbaa1be5121dc75162edb",
                  "body_size": 220,
                  "headers": {
                    "Alt-Svc": {
                      "headers": [
                        "h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
                      ]
                    },
                    "Cache-Control": {
```

```
                      "headers": [
                        "public, max-age=2592000"
                      ]
                    },
                    "Content-Length": {
                      "headers": [
                        "220"
                      ]
                    },
                    "Content-Security-Policy-Report-Only": {
                      "headers": [
                        "object-src 'none';base-uri 'self';script-src 'nonce-
Q7mlycxpf2vijrr-zsR4eA' 'strict-dynamic' 'report-sample' 'unsafe-eval' 'unsafe-
inline' https: http:;report-uri https://csp.withgoogle.com/csp/gws/other-hp"
                      ]
                    },
                    "Content-Type": {
                      "headers": [
                        "text/html; charset=UTF-8"
                      ]
                    },
                    "Date": {
                      "headers": [
                        "<REDACTED>"
                      ]
                    },
                    "Expires": {
                      "headers": [
                        "Fri, 12 Sep 2025 10:05:03 GMT"
                      ]
                    },
                    "Location": {
                      "headers": [
                        "https://www.google.com/"
                      ]
                    },
                    "Server": {
                      "headers": [
                        "gws"
                      ]
                    },
                    "X-Frame-Options": {
                      "headers": [
                        "SAMEORIGIN"
                      ]
                    },
                    "X-XSS-Protection": {
                      "headers": [
                        "0"
                      ]
```

```
                    }
                  },
                  "html_tags": [
                    "<TITLE>301 Moved</TITLE>",
                    "<meta http-equiv=\"content-type\" content=\"text/
html;charset=utf-8\">"
                  ],
                  "html_title": "301 Moved",
                  "protocol": "HTTP/1.1",
                  "status_code": 301,
                  "status_reason": "Moved Permanently",
                  "supported_versions": [
                    "HTTP/1.1",
                    "HTTP/2"
                  ],
                  "uri": "https://google.com/"
                },
                "ip": "2404:6800:4005:825::200e",
                "path": "/",
                "port": 443,
                "scan_time": "2025-08-13T10:05:02Z",
                "transport_protocol": "tcp"
              }
            ],
            "hostname": "google.com",
            "port": 443,
            "scan_time": "2025-08-13T10:05:02Z",
            "software": [
              {
                "confidence": 0.25,
                "cpe": "cpe:2.3:a:google:google_web_services:*:*:*:*:*:*:*:*",
                "evidence": [
                  {
                    "data_path": "http.headers.server"
                  }
                ],
                "part": "a",
                "product": "google_web_services",
                "source": "recog",
                "vendor": "google"
              }
            ],
            "tls": {
              "cipher_selected": "TLS_CHACHA20_POLY1305_SHA256",
              "fingerprint_sha256":
"15adbb67d8c139d97fbb381b80a486520cb5d9d1d3cbe80d26c9ecb4d75181fb",
              "presented_chain": [
                {
                  "fingerprint_sha256":
"9c3f2fd11c57d7c649ad5a0932c0f0d29756f6a0a1c74c43e1e89a62d64cd320",
```

```
                  "issuer_dn": "C=US, O=Google Trust Services LLC, CN=GTS Root
R4",
                  "subject_dn": "C=US, O=Google Trust Services, CN=WE2"
                },
                {
                  "fingerprint_sha256":
"76b27b80a58027dc3cf1da68dac17010ed93997d0b603e2fadbe85012493b5a7",
                  "issuer_dn": "C=BE, O=GlobalSign nv-sa, OU=Root CA,
CN=GlobalSign Root CA",
                  "subject_dn": "C=US, O=Google Trust Services LLC, CN=GTS Root
R4"
                }
              ],
              "version_selected": "tlsv1_3",
              "versions": [
                {
                  "version": "tlsv1_3"
                },
                {
                  "version": "tlsv1_2"
                },
                {
                  "version": "tlsv1_1"
                },
                {
                  "version": "tlsv1_0"
                }
              ]
            }
          }
        }
      }
    ],
    "next_page_token": "",
    "previous_page_token": "",
    "query_duration_millis": 63,
    "total_hits": 2
  }
}
```

ThreatQuotient provides the following default mapping for this action based on the information from `.result.hits[].webproperty_v1.resource`:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
`.port`	Indicator.Attribute	Port	N/A	443	User-configurable
`.software.cpe`	Indicator.Attribute	CPE	N/A	cpe:2.3:a:google:google_web_services::::::::	User-configurable
`.cert.parsed.subject_dn`	Indicator.Attribute	Subject DN	N/A	CN=*.google.com	User-configurable
`.cert.parsed.issuer_dn`	Indicator.Attribute	Issuer Distinguished Name	N/A	C=US, O=Google Trust Services, CN=WE2	User-configurable
`.endpoints[].ip`	Related Indicator.Value	IP Address/IPv6 Address	N/A	2404:6800:4005:825::200e	If `IP Address` enabled in `FQDN Relationship Filter`. Type determined based on format.
`.cert.fingerprint_sha256`	Related Indicator.Value	SHA-256	N/A	15adbb67d8c139d97fbb381b80a486520cb5d9d1d3cbe80...	If `Fingerprint SHA-256` enabled in `FQDN Relationship Filter`
`.cert.fingerprint_sha1`	Related Indicator.Value	SHA-1	N/A	609f41d783685e64229d7c5e2d7bc9c507dac6d8	If `Fingerprint SHA-1` enabled in `FQDN Relationship Filter`
`.cert.fingerprint_md5`	Related Indicator.Value	MD5	N/A	1152f2dbf5ae019251079423c32b6303	If `Fingerprint MD5` enabled in `FQDN Relationship Filter`

SHA-256

```
GET https://api.platform.censys.io/v3/asset/certificate/
9b00121b4e85d50667ded1a8aa39855771bdb67ceca6f18726b49374b41f0041
```

Sample Response:


```
{
  "result": {
    "resource": {
      "fingerprint_sha256":
"9b00121b4e85d50667ded1a8aa39855771bdb67ceca6f18726b49374b41f0041",
      "fingerprint_sha1": "d508e7f8163fb67434f84091dc7c2ca8afd5234d",
      "fingerprint_md5": "3818d99263b47ab28f7de5b293ee1418",
      "tbs_fingerprint_sha256":
"4b098b6bd9459340fb0f3cfb80f0bc3283370c455d57ca20da40e7eecce341d5",
      "tbs_no_ct_fingerprint_sha256":
"5c095a40e76c245323086d26d1fa428d3b443b42fb58c7dbb19b32dfe516b749",
      "parsed": {
        "version": 3,
        "serial_number": "311703586789118042424998420179537559397550",
        "issuer_dn": "C=US, O=Let's Encrypt, CN=R3",
        "issuer": {
          "common_name": [
            "R3"
          ],
          "country": [
            "US"
          ],
          "organization": [
            "Let's Encrypt"
          ]
        },
        "subject_dn": "CN=www.kgcontracting.co",
        "subject": {
          "common_name": [
            "www.kgcontracting.co"
          ]
        },
        "subject_key_info": {
          "key_algorithm": {
            "name": "RSA",
            "oid": "1.2.840.113549.1.1.1"
          },
          "rsa": {
            "exponent": 65537,
            "modulus":
"c0b3b7d595e250fcbc54c6f9e81113c12da29fe35350a02b8ab769a5e43f07df7ac8ff72c482b3
e838d64e97cb3fa15e415acbcfe6758a4e7ac401b4a5294ecca6ad1b583ec2136a408524eeadca5
```

```
5ba4a8af490cb9c764efbdecbe59a4ca160905e5972548018f55194e7ac94b2153d97bd5f055d58
ad3abe0d1daa3b3c97fed490f1bb58fc5c819618891d05c32d68aeaabada321736e417f0fa58d70
93d352c1800191645d1b820f5f7c93301ab7ca78393e953b82719741b735a67ce6a63faec0ac9d2
d917f03b9fc0a0ab8012f4763c50118663af897294e85ba6e11c5ca0fd749645c2a58ddf14ad627
17b40b5e7b620d256be28789e1ebd62e8046acd",
            "length": 2048
          },
          "fingerprint_sha256":
"754cb1e2e2088214a5970662bb5a60aec8a2e29b94f53529aa608abee6682c60"
        },
        "validity_period": {
          "not_before": "2022-12-31T11:37:55Z",
          "not_after": "2023-03-31T11:37:54Z",
          "length_seconds": 7776000
        },
        "signature": {
          "signature_algorithm": {
            "name": "SHA256-RSA",
            "oid": "1.2.840.113549.1.1.11"
          },
          "value":
"95347a7bd89da6a6bd9adcc509669d933b5e2a29b414317d72b02c583bfadbf616f5b6977824ee
80484fe4ae0c38dbb1013d896b5a9db12fdc62296fbefbba84ed089a6e62c148cc9d1e60bfd9cf6
e7d1c8f5e0f315872618a6805e5bf48432ce2d0aac07d4ab845a7f68c1a61c3dd37c0e40c26b386
b1f37ff2fc50e6eacdc305ecd13da1c43bb1209cb13c5a6387cffb57fad81d01496b3c6499817ed
1cf1a0ef809b6b408035b5de72423c6c7f84c3a9e9513c89fa8fc49bf6f90746561ebd1b4ea22e7
557d3e505b5ecd289dbb8ce71c4d3acc2e67a27bbb12dd242c8fa512d19dc8b7bd6b88bcc6a6484
bb39c894f7b756630a10525a9ab3359030aa2ad",
          "valid": true
        },
        "extensions": {
          "key_usage": {
            "digital_signature": true,
            "key_encipherment": true,
            "value": 5
          },
          "basic_constraints": {},
          "subject_alt_name": {
            "dns_names": [
              "kgcontracting.co",
              "www.kgcontracting.co"
            ]
          },
          "authority_key_id": "142eb317b75856cbae500940e61faf9d8b14c2c6",
          "subject_key_id": "a6a1b9ac9d0886b3b58f5faba9f42f741d9ef29d",
          "extended_key_usage": {
            "server_auth": true,
            "client_auth": true
          },
          "certificate_policies": [
            {
```

```
            "id": "2.23.140.1.2.1"
          },
          {
            "id": "1.3.6.1.4.1.44947.1.1.1",
            "cps": [
              "http://cps.letsencrypt.org"
            ]
          }
        ],
        "authority_info_access": {
          "ocsp_urls": [
            "http://r3.o.lencr.org"
          ],
          "issuer_urls": [
            "http://r3.i.lencr.org/"
          ]
        },
        "signed_certificate_timestamps": [
          {
            "log_id":
"b73efb24df9c4dba75f239c5ba58f46c5dfc42cf7a9f35c49e1d098125edb499",
            "timestamp": "2022-12-31T12:37:55Z",
            "signature": {
              "hash_algorithm": "SHA256",
              "signature_algorithm": "ECDSA",
              "signature":
"304402203e73c9d1e7f17087b077237c715039e1d5f36cd75635df44017767227354dd7d022017
cfb6779130c48b496851d5aeb970c3b43e0fa1f31d6bc03f3338d7b8716947"
            }
          },
          {
            "log_id":
"e83ed0da3ef5063532e75728bc896bc903d3cbd1116beceb69e1777d6d06bd6e",
            "timestamp": "2022-12-31T12:37:55Z",
            "signature": {
              "hash_algorithm": "SHA256",
              "signature_algorithm": "ECDSA",
              "signature":
"30450221009c728da43c9bf4700b6d73c3b3155b5473d629d5b8f06c7335894ce61fbf3af00220
2e677d64f8e7368e39769ba45812fa3d0a2e3cce761d8e898276392d592b5475"
            }
          }
        ]
      },
      "serial_number_hex": "039403b7283199171fd9c1af1c8210f5a4ae"
    },
    "names": [
      "kgcontracting.co",
      "www.kgcontracting.co"
    ],
```

```
      "validation_level": "dv",
      "validation": {
        "nss": {
          "ever_valid": true,
          "had_trusted_path": true,
          "chains": [
            {
              "sha256fp": [

"0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            },
            {
              "sha256fp": [

"67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            }
          ],
          "parents": [
            "0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",
            "67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd"
          ],
          "type": "leaf"
        },
        "microsoft": {
          "ever_valid": true,
          "had_trusted_path": true,
          "chains": [
            {
              "sha256fp": [

"0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            },
            {
              "sha256fp": [

"67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            }
          ],
```

```
          "parents": [
            "0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",
            "67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd"
          ],
          "type": "leaf"
        },
        "apple": {
          "ever_valid": true,
          "had_trusted_path": true,
          "chains": [
            {
              "sha256fp": [

"0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            },
            {
              "sha256fp": [

"67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            }
          ],
          "parents": [
            "0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",
            "67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd"
          ],
          "type": "leaf"
        },
        "chrome": {
          "ever_valid": true,
          "had_trusted_path": true,
          "chains": [
            {
              "sha256fp": [

"0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",

"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            },
            {
              "sha256fp": [

"67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd",
```

```
"96bcec06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6"
              ]
            }
          ],
          "parents": [
            "0ac730f6b3a98bab6aa97c9c4c71b34dd5599f4933630e6d24a26751bd12ebac",
            "67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd"
          ],
          "type": "leaf"
        }
      },
      "ct": {
        "entries": {
          "google_argon_2023": {
            "index": 521618614,
            "added_to_ct_at": "2022-12-31T12:37:55Z",
            "ct_to_censys_at": "2023-05-04T22:00:22Z"
          },
          "google_xenon_2023": {
            "index": 593655844,
            "added_to_ct_at": "2022-12-31T12:37:55Z",
            "ct_to_censys_at": "2023-06-21T10:02:57Z"
          }
        }
      },
      "ever_seen_in_scan": true,
      "added_at": "2023-01-06T12:46:27Z",
      "modified_at": "2024-01-23T03:09:33Z",
      "validated_at": "2023-09-09T13:26:03Z",
      "parse_status": "success",
      "zlint": {
        "version": 3,
        "timestamp": "2023-09-09T13:26:04Z",
        "notices_present": true,
        "failed_lints": [
          "n_subject_common_name_included"
        ]
      },
      "spki_subject_fingerprint_sha256":
"cc9b074ebf41b484a56923d5585594967bda7a7f8b5be187ef0e7ae1ec90003c",
      "parent_spki_subject_fingerprint_sha256":
"390bc358202771a65e7be7a87924d7f2a079de04feb5ffd4163fae4fbf9b11e9"
    },
    "extensions": {}
  }
}
```

ThreatQuotient provides the following default mapping for this action based on the information from `.result.resource`:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.fingerprint_sha1	Related Indicator.Value	SHA-1	.added_at	d508e7f8163fb 67434f84091dc 7c2ca8afd5234d	User-configurable
.fingerprint_md5	Related Indicator.Value	MD5	.added_at	3818d99263b47 ab28f7de5b293 ee1418	User-configurable
.tbs_fingerprint_sha256	Related Indicator.Value	SHA-256	.added_at	4b098b6bd9459 340fb0f3cfb80f0 bc3283370c455 d57ca20da40e7 eecce341d5	User-configurable
.tbs_no_ct_fingerprint_ sha256	Related Indicator.Value	SHA-256	.added_at	5c095a40e76c245 323086d26d1fa42 8d3b443b42fb58c 7dbb19b32dfe516 b749	User-configurable
.spki_subject_fingerprint_ sha256	Related Indicator.Value	SHA-256	.added_at	cc9b074ebf41b484 a56923d558559496 7bda7a7f8b5be187 ef0e7ae1ec90003c	User-configurable
.parent_spki_subject_ fingerprint_sha256	Related Indicator.Value	SHA-256	.added_at	390bc358202771a65 e7be7a87924d7f2a07 9de04feb5ffd4163fae 4fbf9b11e9	User-configurable
.names	Related Indicator.Value	FQDN	.added_at	kgcontracting.co	User-configurable. If it is valid FQDN.
.parsed.issuer_dn	Indicator.Attribute	Issuer Distinguished Name	.added_at	C=US, O=Let's Encrypt, CN=R3	User-configurable
.parsed.subject_dn	Indicator.Attribute	Subject DN	.added_at	CN=www.kgcontracting. co	User-configurable
.parsed.serial_number	Indicator.Attribute	Serial Number	.added_at	3117035867891180424 2499842017953755939 7550	User-configurable
.parsed.signature.self_ signed	Indicator.Attribute	Self Signed	.added_at	N/A	User-configurable. Updatable
.parsed.signature.valid	Indicator.Attribute	Valid Signature	.added_at	True	User-configurable. Updatable
.parsed.signature.signature_ algorithm.name	Indicator.Attribute	Signature Algorithm Name	.added_at	SHA256-RSA	User-configurable
.parsed.signature.signature_ algorithm.oid	Indicator.Attribute	Signature Algorithm OID	.added_at	1.2.840.113549.1.1.11	User-configurable
.parsed.signature.value	Indicator.Attribute	Signature	.added_at	95347a7bd89da6a6bd9 adcc509669d933b5e2a 29b414317d72b02c583 bfad...	User-configurable
.parsed.extensions.subject_ alt_name.dns_names	Indicator.Attribute	DNS Name	.added_at	kgcontracting.co	User-configurable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.validation.apple.had_ trusted_path	Indicator.Attribute	Browser Trust Apple	.added_at	True	User-configurable. Updatable
.validation.microsoft.had_ trusted_path	Indicator.Attribute	Browser Trust Microsoft	.added_at	True	User-configurable. Updatable
.validation.nss.had_ trusted_path	Indicator.Attribute	Browser Trust Mozilla NSS	.added_at	True	User-configurable. Updatable
.validation.chrome.had_ trusted_path	Indicator.Attribute	Browser Trust Chrome	.added_at	True	User-configurable. Updatable
.parsed.subject.common_ name	Indicator.Attribute	Common Name	.added_at	www.kgcontracting.co	User-configurable
.parsed.subject_key_info. key_algorithm.name	Indicator.Attribute	Key Type	.added_at	RSA	User-configurable
.parsed.subject_key_info. rsa.length	Indicator.Attribute	Key Length	.added_at	2048	User-configurable
.parsed.subject_key_info. rsa.modulus	Indicator.Attribute	Modulus	.added_at	c0b3b7d595e250fcbc54c6 f9e81113c12da29fe35350 a02b8ab769a5e43f07d...	User-configurable
.parsed.extensions.key_ usage.key_encipherment	Indicator.Attribute	Key Encipherment	.added_at	True	User-configurable. Updatable
.parsed.extensions.key_ usage.digital_signature	Indicator.Attribute	Digital Signature	.added_at	True	User-configurable. Updatable
.parsed.extensions.extended_ key_usage.server_auth	Indicator.Attribute	Server Auth	.added_at	True	User-configurable. Updatable
.parsed.extensions.extended_ key_usage.client_auth	Indicator.Attribute	Client Auth	.added_at	True	User-configurable. Updatable
.parsed.extensions.basic_ constraints.is_ca	Indicator.Attribute	Is Certificate Authority	.added_at	N/A	User-configurable. Updatable
.parsed.extensions.authority_ info_access.ocsp_urls	Indicator.Attribute	AIA Paths OCSP	.added_at	http://r3.i.lencr.org/	User-configurable
.parsed.extensions.authority_ info_access.issuer_urls	Indicator.Attribute	AIA Paths Issuer	.added_at	http://r3.o.lencr.org	User-configurable
.parsed.validity_period. not_before	Indicator.Attribute	Valid From	.added_at	2022-12-31T11:37:55Z	User-configurable. Updatable
.parsed.validity_period. not_after	Indicator.Attribute	Valid Until	.added_at	2023-03-31T11:37:54Z	User-configurable. Updatable

Enriched Data

Object counts and action runtime are supplied as generalities only - objects returned by a provider can differ based on credential configurations and action runtime may vary based on system resources and load.

METRIC	RESULT
Run Time	3 minutes
Indicators	200
Indicator Attributes	5,000

Change Log

- **Version 1.1.0**
  - Updated the integration to use the Censys Platform API.
  - Removed the following configuration parameters:
    - **Censys API ID**
    - **Censys API Secret**
    - **Include WHOIS Data in Description**
  - Added the following new configuration parameters:
    - **Censys Personal Access Token** - enter your Censys Platform API Personal Access Token.
    - **Censys Organization ID** - enter the Censys Organization ID.
    - **IP Address/IPv6 Address Description Context** - select the pieces of enrichment context to ingest into the description of IP Addresses.
    - **FQDN Context Filter** - select the pieces of enrichment context to ingest into ThreatQ for indicators of type FQDN.
    - **IP Address/IPv6 Address Relationship Filter** - select the relationships to include in the context enrichment for each IP Address.
    - **Ingest CVEs As** - select the entity type to ingest CVE IDs as in ThreatQ.
  - Added `DNS Names` as an option for the **Certificates Relationship Filter** parameter.
  - Added `Subject DN` as an option for the **Certificates Context Filter** parameter.
  - Removed the following options from the **Certificates Context Filter** parameter:
    - `Certificate Transparency Argon`
    - `Certificate Transparency Argon Date`
    - `Certificate Transparency Xenon`
    - `Certificate Transparency Xenon Date`
- **Version 1.0.0**
  - Initial release