ThreatQuotient

Jamf CDF User Guide

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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.0
Compatible with ThreatQ Versions	>= 5.6.0
Support Tier	ThreatQ Supported

Introduction

The Jamf CDF utilizes Jamf's enterprise mobility management (EMM) tool to ingest information on your organization's Apple devices.

The integration provides the following feeds:

- **Jamf Mobile Devices** - ingests information on your apple mobile devices such as ID, Last Reported IP Address, and Enrollment date.
- **Jamf Computers** - ingests information on your macOS devices such as operating system, hardware model, and MAC Address.

The integration ingests Asset and Asset Attributes object types into your ThreatQ instance.

Prerequisites

The following is required to install and run the integration:

- A Jamf Pro account/subscription.
- The Asset custom object if you are on ThreatQ version 5.9.0 or earlier.

Asset Custom Object

The integration requires the Asset object. The Asset installation files are included with the integration download on the ThreatQ Marketplace. The Asset object must be installed prior to installing the integration.

> You do not have to install the Asset object if you are running ThreatQ version 5.10.0 or greater as the object has been seeded as a default system object.

Use the steps provided to install the Asset custom object.

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

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 jamf_cdf
   ```

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

   ```
   mkdir images
   ```

7. Upload the asset.svg.
8. Navigate to the **/tmp/jamf_cdf**.

   The directory should resemble the following:

   - tmp
     - **jamf_cdf**
       - **asset.json**
       - **install.sh**
       - **images**
         - **asset.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.

```
Installing Custom Objects - Step 1 of 5 (Entering Maintenance Mode)

Application is now in maintenance mode.
Installing Custom Objects - Step 2 of 5 (Installing the Asset Custom Object)
Installing Custom Objects - Step 3 of 5 (Configuring image for Asset Custom
Object)
Installing Custom Objects - Step 4 of 5 (Updating Permissions in ThreatQ)
Installing Custom Objects - Step 5 of 5 (Exiting Maintenance Mode)

Application is now live.
```

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

```
rm -rf jamf_cdf
```

Installation

> The CDF requires the installation of a custom object before installing the actual CDF if your are on ThreatQ version 5.9.0 or earlier. See the Asset Custom Object heading under 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, if you are on ThreatQ version 5.9 or earlier, install the required Asset custom object.
4. Navigate to the integrations management page on your ThreatQ instance.
5. Click on the **Add New Integration** button.
6. Upload the yaml file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the integration file on your local machine

   > ThreatQ will inform you if the 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. When prompted, select the individual feeds to install and click **Install**. 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. Contact the specific vendor to obtain API keys and other integration-related credentials.

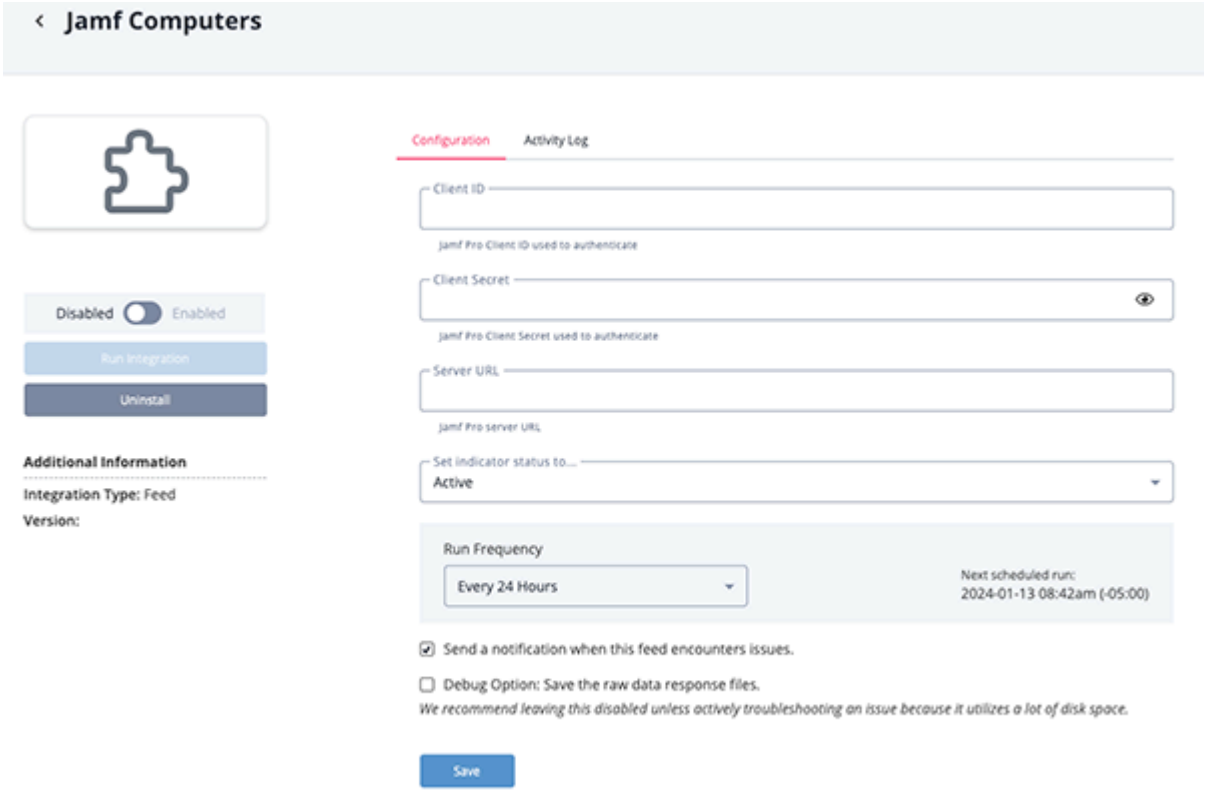
To configure the integration:

1. Navigate to your integrations management page in ThreatQ.
2. Select the **Commercial** option from the *Category* dropdown (optional).

   > If you are installing the integration for the first time, it will be located under the **Disabled** tab.

3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

PARAMETER	DESCRIPTION
Client ID	Your Jamf Pro Client ID used for authentication.
Client Secret	Your Jamf Pro Client Secret.
Server URL	Your Jamf Pro server URL.



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

Jamf Mobile Devices

The JamF Mobile Devices feed ingests information on your organization's mobile devices (iphone, Ipad, AppleTV). Information ingested includes device display name, ID, device type, IP Address, iOS version, IP Address, and MAC address.

`GET {{base_url}}/api/v2/mobile-devices/detail`

Sample Response:


```
{
  "totalCount": 2,
  "results": [
    {
      "mobileDeviceId": "1",
      "deviceType": "iOS",
      "hardware": {
        "capacityMb": 100,
        "availableSpaceMb": 30,
        "usedSpacePercentage": 70,
        "batteryLevel": 60,
        "serialNumber": "5c28fdae",
        "wifiMacAddress": "ee:00:7c:f0:e5:ff",
        "bluetoothMacAddress": "ee:00:7c:f0:e5:aa",
        "modemFirmwareVersion": "iPad7,11",
        "model": "iPad 7th Generation (Wi-Fi)",
        "modelIdentifier": "iPad7,11",
        "modelNumber": "MW742LL",
        "bluetoothLowEnergyCapable": false,
        "deviceId": "c6a49c6d-8c09-4d71-a37d-2f6a9dfbb69b",
        "extensionAttributes": [
          {
            "id": "1",
            "name": "Example EA",
            "type": "STRING",
            "value": [
              "EA Value"
            ],
            "extensionAttributeCollectionAllowed": false,
            "inventoryDisplay": "General"
          }
        ]
      },
      "userAndLocation": {
        "username": "admin",
        "realName": "IT Bob",
```

```
      "emailAddress": "ITBob@jamf.com",
      "position": "IT Team Lead",
      "phoneNumber": "555-555-5555",
      "departmentId": "1",
      "buildingId": "1",
      "room": "room",
      "building": "Building 1",
      "department": "Department 1",
      "extensionAttributes": [
        {
          "id": "1",
          "name": "Example EA",
          "type": "STRING",
          "value": [
            "EA Value"
          ],
          "extensionAttributeCollectionAllowed": false,
          "inventoryDisplay": "General"
        }
      ]
    },
    "purchasing": {
      "purchased": true,
      "leased": false,
      "poNumber": "8675309",
      "vendor": "Apple",
      "appleCareId": "9546567.0",
      "purchasePrice": "$399",
      "purchasingAccount": "IT Budget",
      "poDate": "2019-02-04T21:09:31.661Z",
      "warrantyExpiresDate": "2019-02-04T21:09:31.661Z",
      "leaseExpiresDate": "2019-02-04T21:09:31.661Z",
      "lifeExpectancy": 7,
      "purchasingContact": "Nick in IT",
      "extensionAttributes": [
        {
          "id": "1",
          "name": "Example EA",
          "type": "STRING",
          "value": [
            "EA Value"
          ],
          "extensionAttributeCollectionAllowed": false,
          "inventoryDisplay": "General"
        }
      ]
    },
    "applications": [
      {
        "identifier": "com.apple.airport.mobileairportutility",
```

```
      "name": "AirPort Utility",
      "version": "135.24",
      "shortVersion": "7.0",
      "managementStatus": "Managed",
      "validationStatus": true,
      "bundleSize": "1024",
      "dynamicSize": "1423"
    }
  ],
  "certificates": [
    {
      "commonName": "3B259E4B-FAD5-4860-B1DD-336ADA786EBA",
      "identity": false,
      "expirationDate": "2019-02-04T21:09:31.661Z"
    }
  ],
  "profiles": [
    {
      "displayName": "Test WiFi",
      "version": "1",
      "uuid": "D29DD9FB-0D5B-422F-A3A2-ABBC5848E949",
      "identifier": "ac2-server4.D0EFAC2D-326C-4BB6-87E6-2BCB88490AAA",
      "removable": true,
      "lastInstalled": "2019-02-04T21:09:31.661Z"
    }
  ],
  "userProfiles": [
    {
      "displayName": "Test WiFi",
      "version": "1",
      "uuid": "D29DD9FB-0D5B-422F-A3A2-ABBC5848E949",
      "identifier": "ac2-server4.D0EFAC2D-326C-4BB6-87E6-2BCB88490AAA",
      "removable": true,
      "lastInstalled": "2019-02-04T21:09:31.661Z",
      "username": "admin"
    }
  ],
  "extensionAttributes": [
    {
      "id": "1",
      "name": "Example EA",
      "type": "STRING",
      "value": [
        "EA Value"
      ],
      "extensionAttributeCollectionAllowed": false,
      "inventoryDisplay": "General"
    }
  ],
  "general": {
```

```
        "udid": "0dad565fb40b010a9e490440188063a378721069",
        "displayName": "Banezicron",
        "assetTag": "8675309",
        "siteId": "-1",
        "lastInventoryUpdateDate": "2022-10-17T11:48:56.307Z",
        "osVersion": "11.4",
        "osRapidSecurityResponse": "(a)",
        "osBuild": "15F79",
        "osSupplementalBuildVersion": "22A103310o",
        "softwareUpdateDeviceId": "J132AP",
        "ipAddress": "10.0.0.1",
        "managed": true,
        "supervised": true,
        "deviceOwnershipType": "Institutional",
        "enrollmentMethodPrestage": {
          "mobileDevicePrestageId": "5",
          "profileName": "All Mobiles"
        },
        "enrollmentSessionTokenValid": false,
        "lastEnrolledDate": "2022-10-17T11:48:56.307Z",
        "mdmProfileExpirationDate": "2022-10-17T11:48:56.307Z",
        "timeZone": "Europe/Warsaw",
        "declarativeDeviceManagementEnabled": true,
        "extensionAttributes": [
          {
            "id": "1",
            "name": "Example EA",
            "type": "STRING",
            "value": [
              "EA Value"
            ],
            "extensionAttributeCollectionAllowed": false,
            "inventoryDisplay": "General"
          }
        ],
        "airPlayPassword": "1234",
        "locales": "null",
        "languages": "english"
      }
    }
  ]
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.results[].general.displayName	Asset.Value	N/A	N/A	Banezicron	N/A
.results[].mobileDeviceId	Asset.Attribute	ID	N/A	1	N/A
.results[].deviceType	Asset.Attribute	Device Type	N/A	iOS / tvOS	N/A
.results[].hardware.wifiMacAddress	Asset.Attribute	WIFI Mac Address	N/A	ee:00:7c:f0:e5:ff	N/A
.results[].general.ipAddress	Asset.Attribute	IP Address	N/A	10.0.0.1	If the attribute already exists, the value will be updated
.results[].general.lastEnrolledDate	Asset.Attribute	Last Enrolled Date	N/A	2022-10-17T11:48:56.307Z	If the attribute already exists, the value will be updated.
.results[].hardware.osVersion	Asset.Attribute	Operating System Version	N/A	11.4	If the attribute already exists, the value will be updated.
.results[].hardware.osBuild	Asset.Attribute	Operating System Build	N/A	15F79	If the attribute already exists, the value will be updated.

Jamf Computers

High-level summary of what info the feed ingests information on your Apple computers such as ID, enrollment date, and last reported IP Address.

`GET {{base_url}}/api/v1/computers-inventory`

Sample Response:


```
{
  "totalCount": 2,
  "results": [
    {
            "id": "1",
            "udid": "152835A5-AEA3-55C4-90E0-2B7DB38009B6",
            "general": {
                "name": "Bigâ€™s MacBook Pro",
                "lastIpAddress": "71.187.71.19",
                "lastReportedIp": "192.168.86.211",
                "jamfBinaryVersion": "11.1.1-t1701704198",
                "platform": "Mac",
                "barcode1": null,
                "barcode2": null,
                "assetTag": null,
                "remoteManagement": {
                    "managed": true,
                    "managementUsername": null
                },
                "supervised": true,
                "mdmCapable": {
                    "capable": true,
                    "capableUsers": [
                        "bigsurtest"
                    ]
                },
                "reportDate": "2023-12-19T15:18:15.178Z",
                "lastContactTime": "2023-12-19T15:17:55.86Z",
                "lastCloudBackupDate": null,
                "lastEnrolledDate": "2023-11-15T22:31:48.607Z",
                "mdmProfileExpiration": "2025-11-15T22:31:33Z",
                "initialEntryDate": "2023-11-15",
                "distributionPoint": null,
                "site": {
                    "id": "-1",
                    "name": "None"
                },
                "itunesStoreAccountActive": false,
                "enrolledViaAutomatedDeviceEnrollment": false,
                "userApprovedMdm": true,
                "enrollmentMethod": {
```

```
                    "id": "1",
                    "objectName": null,
                    "objectType": "User-initiated - no invitation"
                },
                "declarativeDeviceManagementEnabled": false,
                "managementId": "c98948ba-f921-462e-939f-799091c5627c",
                "extensionAttributes": []
            },
            "diskEncryption": null,
            "localUserAccounts": null,
            "purchasing": null,
            "printers": null,
            "storage": null,
            "applications": null,
            "userAndLocation": null,
            "configurationProfiles": null,
            "services": null,
            "plugins": null,
            "hardware": null,
            "certificates": null,
            "attachments": null,
            "packageReceipts": null,
            "fonts": null,
            "security": null,
            "operatingSystem": null,
            "licensedSoftware": null,
            "softwareUpdates": null,
            "groupMemberships": null,
            "extensionAttributes": null,
            "contentCaching": null,
            "ibeacons": null
        }
    ]
}
```


ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.results[].general.name	Asset.Value	N/A	N/A	Bigâ€™s MacBook Pro	N/A
.results[].id	Asset.Attribute	ID	N/A	1	N/A
.results[].general.lastEnrolledDate	Asset.Attribute	Last Enrolled Date	N/A	2023-11-15T22:31:48.607Z	If the attribute already exists, the value will be updated.
.results[].general.lastIpAddress	Asset.Attribute	Last IP Address	N/A	71.187.71.19	If the attribute already exists, the value will be updated.
.results[].general.lastReportedIp	Asset.Attribute	Last Reported IP Address	N/A	192.168.86.211	If the attribute already exists, the

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
					value will be updated.

Jamf Computers Supplemental Feed

The Jamf Computers Supplemental feed ingests further details on your apple computers such as hardware models, network adapter types, and seriel numbers.

`GET {{base_url}}/JSSResource/computers/id/{{id}}`


```
{
  "computer": {
      "general": {
          "id": 1,
          "name": "Bigâ€™s MacBook Pro",
          "network_adapter_type": "IEEE80211",
          "mac_address": "8C:85:90:78:D1:DA",
          "alt_network_adapter_type": "Ethernet",
          "alt_mac_address": "82:DC:72:62:B4:01",
          "ip_address": "71.187.71.19",
          "last_reported_ip": "192.168.86.211",
          "serial_number": "C02VN0XJHTD6",
          "udid": "152835A5-AEA3-55C4-90E0-2B7DB38009B6",
          "jamf_version": "11.1.1-t1701704198",
          "platform": "Mac",
          "barcode_1": "",
          "barcode_2": "",
          "asset_tag": "",
          "remote_management": {
              "managed": true,
              "management_username": "deprecated",
              "management_password_sha256": "deprecated"
          },
          "supervised": true,
          "mdm_capable": true,
          "mdm_capable_users": {
              "mdm_capable_user": "bigsurtest"
          },
          "management_status": {
              "enrolled_via_dep": false,
              "user_approved_enrollment": true,
              "user_approved_mdm": true
          },
          "report_date": "2023-12-19 15:18:15",
          "report_date_epoch": 1702999095178,
          "report_date_utc": "2023-12-19T15:18:15.178+0000",
          "last_contact_time": "2023-12-19 15:17:55",
          "last_contact_time_epoch": 1702999075860,
          "last_contact_time_utc": "2023-12-19T15:17:55.860+0000",
          "initial_entry_date": "2023-11-15",
          "initial_entry_date_epoch": 1700087472868,
          "initial_entry_date_utc": "2023-11-15T22:31:12.868+0000",
          "last_cloud_backup_date_epoch": 0,
```

```
        "last_cloud_backup_date_utc": "",
        "last_enrolled_date_epoch": 1700087508607,
        "last_enrolled_date_utc": "2023-11-15T22:31:48.607+0000",
        "mdm_profile_expiration_epoch": 1763245893000,
        "mdm_profile_expiration_utc": "2025-11-15T22:31:33.000+0000",
        "distribution_point": "",
        "sus": "",
        "site": {
            "id": -1,
            "name": "None"
        },
        "itunes_store_account_is_active": false
    },
    "location": {
        "username": "",
        "realname": "",
        "real_name": "",
        "email_address": "",
        "position": "",
        "phone": "",
        "phone_number": "",
        "department": "",
        "building": "",
        "room": ""
    },
    "purchasing": {
        "is_purchased": true,
        "is_leased": false,
        "po_number": "",
        "vendor": "",
        "applecare_id": "",
        "purchase_price": "",
        "purchasing_account": "",
        "po_date": "",
        "po_date_epoch": 0,
        "po_date_utc": "",
        "warranty_expires": "",
        "warranty_expires_epoch": 0,
        "warranty_expires_utc": "",
        "lease_expires": "",
        "lease_expires_epoch": 0,
        "lease_expires_utc": "",
        "life_expectancy": 0,
        "purchasing_contact": "",
        "os_applecare_id": "",
        "os_maintenance_expires": "",
        "attachments": []
    },
    "peripherals": [],
    "hardware": {
```

```
        "make": "Apple",
        "model": "15-inch Retina MacBook Pro with TouchID (Mid 2017)",
        "model_identifier": "MacBookPro14,3",
        "os_name": "macOS",
        "os_version": "11.6.6",
        "os_build": "20G624",
        "software_update_device_id": "",
        "active_directory_status": "Not Bound",
        "service_pack": "",
        "processor_type": "Quad-Core Intel Core i7",
        "is_apple_silicon": false,
        "processor_architecture": "x86_64",
        "processor_speed": 2900,
        "processor_speed_mhz": 2900,
        "number_processors": 1,
        "number_cores": 4,
        "total_ram": 16384,
        "total_ram_mb": 16384,
        "boot_rom": "451.140.1.0.0",
        "bus_speed": 0,
        "bus_speed_mhz": 0,
        "battery_capacity": 100,
        "cache_size": 8192,
        "cache_size_kb": 8192,
        "available_ram_slots": 0,
        "optical_drive": "",
        "nic_speed": "n/a",
        "smc_version": "2.45f5",
        "ble_capable": true,
        "supports_ios_app_installs": false,
        "sip_status": "Enabled",
        "gatekeeper_status": "App Store and identified developers",
        "xprotect_version": "2175",
        "institutional_recovery_key": "Not Present",
        "disk_encryption_configuration": "TQ Testing",
        "filevault2_users": [
            "bigsurtest"
        ],
        "storage": [
            {
                "disk": "disk0",
                "model": "APPLE SSD SM0512L",
                "revision": "CXS5EA0Q",
                "serial_number": "C027446018HHRDV1S",
                "size": 500277,
                "drive_capacity_mb": 500277,
                "connection_type": "NO",
                "smart_status": "Verified",
                "partitions": [
                    {
```

```
                "name": "Update/mnt1",
                "size": 499963,
                "type": "other",
                "partition_capacity_mb": 499963,
                "percentage_full": 7,
                "available_mb": 345461,
                "filevault_status": "Encrypting",
                "filevault_percent": 43,
                "filevault2_status": "Encrypting",
                "filevault2_percent": 43
            },
            {
                "name": "Data",
                "size": 499963,
                "type": "other",
                "partition_capacity_mb": 499963,
                "percentage_full": 6,
                "available_mb": 345461,
                "filevault_status": "Encrypted",
                "filevault_percent": 100,
                "filevault2_status": "Encrypted",
                "filevault2_percent": 100
            },
            {
                "name": "Update",
                "size": 499963,
                "type": "other",
                "partition_capacity_mb": 499963,
                "percentage_full": 1,
                "available_mb": 345461,
                "filevault_status": "Not Encrypted",
                "filevault_percent": 0,
                "filevault2_status": "Not Encrypted",
                "filevault2_percent": 0
            },
            {
                "name": "Macintosh HD (Boot Partition)",
                "size": 499963,
                "type": "boot",
                "partition_capacity_mb": 499963,
                "percentage_full": 7,
                "available_mb": 345461,
                "filevault_status": "Encrypted",
                "filevault_percent": 100,
                "filevault2_status": "Encrypted",
                "filevault2_percent": 100,
                "boot_drive_available_mb": 345461,
                "lvgUUID": "",
                "lvUUID": "",
                "pvUUID": ""
```

```
                    },
                    {
                        "name": "VM",
                        "size": 499963,
                        "type": "other",
                        "partition_capacity_mb": 499963,
                        "percentage_full": 1,
                        "available_mb": 345461,
                        "filevault_status": "Not Encrypted",
                        "filevault_percent": 0,
                        "filevault2_status": "Not Encrypted",
                        "filevault2_percent": 0
                    },
                    {
                        "name": "Preboot",
                        "size": 499963,
                        "type": "other",
                        "partition_capacity_mb": 499963,
                        "percentage_full": 1,
                        "available_mb": 345461,
                        "filevault_status": "Not Encrypted",
                        "filevault_percent": 0,
                        "filevault2_status": "Not Encrypted",
                        "filevault2_percent": 0
                    },
                    {
                        "name": "Macintosh HD - Data",
                        "size": 499963,
                        "type": "other",
                        "partition_capacity_mb": 499963,
                        "percentage_full": 1,
                        "available_mb": 345461,
                        "filevault_status": "Not Encrypted",
                        "filevault_percent": 0,
                        "filevault2_status": "Not Encrypted",
                        "filevault2_percent": 0
                    }
                ]
            }
        ],
        "mapped_printers": []
    },
    "certificates": [
        {
            "common_name": "51BBA5AE-4B31-4277-BFC9-1C59C4E7871D",
            "identity": true,
            "expires_utc": "2025-11-15T22:31:33.000+0000",
            "expires_epoch": 1763245893000,
            "name": ""
        }
```

```
    ],
    "security": {
        "activation_lock": false,
        "recovery_lock_enabled": false,
        "secure_boot_level": "not supported",
        "external_boot_level": "not supported",
        "firewall_enabled": false
    },
    "software": {
        "unix_executables": [],
        "licensed_software": [],
        "installed_by_casper": [],
        "installed_by_installer_swu": [
            "com.jamfsoftware.osxenrollment"
        ],
        "cached_by_casper": [],
        "available_software_updates": [],
        "available_updates": [],
        "running_services": [
            "org.cups.cupsd"
        ],
        "applications": [
            {
                "name": "Terminal.app",
                "path": "/System/Applications/Utilities/Terminal.app",
                "version": "2.11",
                "bundle_id": "com.apple.Terminal"
            },
            {
                "name": "TextEdit.app",
                "path": "/System/Applications/TextEdit.app",
                "version": "1.16",
                "bundle_id": "com.apple.TextEdit"
            },
            {
                "name": "Time Machine.app",
                "path": "/System/Applications/Time Machine.app",
                "version": "1.3",
                "bundle_id": "com.apple.backup.launcher"
            },
            {
                "name": "TV.app",
                "path": "/System/Applications/TV.app",
                "version": "1.1.6",
                "bundle_id": "com.apple.TV"
            },
            {
                "name": "VoiceMemos.app",
                "path": "/System/Applications/VoiceMemos.app",
                "version": "2.2",
```

```
                "bundle_id": "com.apple.VoiceMemos"
            },
            {
                "name": "VoiceOver Utility.app",
                "path": "/System/Applications/Utilities/VoiceOver
Utility.app",
                "version": "10",
                "bundle_id": "com.apple.VoiceOverUtility"
            }
        ],
        "fonts": [],
        "plugins": []
    },
    "extension_attributes": [],
    "groups_accounts": {
        "computer_group_memberships": [
            "All Managed Clients"
        ],
        "local_accounts": [
            {
                "name": "bigsurtest",
                "realname": "Big Sur Test",
                "uid": "501",
                "home": "/Users/bigsurtest",
                "home_size": "-1MB",
                "home_size_mb": -1,
                "administrator": true,
                "filevault_enabled": true
            },
            {
                "name": "TestUser",
                "realname": "TestUser",
                "uid": "502",
                "home": "/Users/TestUser",
                "home_size": "-1MB",
                "home_size_mb": -1,
                "administrator": true,
                "filevault_enabled": false
            },
            {
                "name": "tq",
                "realname": "TQ Admin",
                "uid": "503",
                "home": "/private/var/tq",
                "home_size": "-1MB",
                "home_size_mb": -1,
                "administrator": true,
                "filevault_enabled": false
            }
        ],
```

```
            "user_inventories": {
                "disable_automatic_login": true,
                "user": {
                    "username": "tq",
                    "password_history_depth": "5",
                    "password_min_length": "12",
                    "password_max_age": "180",
                    "password_min_complex_characters": "",
                    "password_require_alphanumeric": "true"
                }
            }
        },
        "iphones": [],
        "configuration_profiles": [
            {
                "id": -1,
                "name": "",
                "uuid": "",
                "is_removable": false
            },
            {
                "id": -27,
                "name": "",
                "uuid": "",
                "is_removable": false
            },
            {
                "id": -1,
                "name": "",
                "uuid": "",
                "is_removable": false
            },
            {
                "id": 1,
                "name": "",
                "uuid": "",
                "is_removable": false
            }
        ]
    }
}
```

ThreatQ provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
.computer.general.network_adapter_type	Asset.Attribute	Network Adapter Type	N/A	IEEE80211	N/A
.computer.general.mac_address	Asset.Attribute	Mac Address	N/A	8C:85:90:78:D1:DA	N/A
.computer.general.alt_network_adapter_type	Asset.Attribute	Alternative Network Adapter Type	N/A	Ethernet	N/A
.computer.general.alt_mac_address	Asset.Attribute	Alternative Mac Address	N/A	82:DC:72:62:B4:01	N/A
.computer.general.serial_number	Asset.Attribute	Serial Number	N/A	C02VN0XJHTD6	N/A
.computer.general.platform	Asset.Attribute	Platform	N/A	Mac	N/A
.computer.hardware.make	Asset.Attribute	Maker	N/A	Apple	N/A
.computer.hardware.model	Asset.Attribute	Model	N/A	15-inch Retina MacBook Pro with TouchID (Mid 2017)	N/A
.computer.hardware.model_identifier	Asset.Attribute	Model Identifier	N/A	MacBookPro14,3	N/A
.computer.hardware.os_name	Asset.Attribute	Operating System	N/A	macOS	If the attribute already exists, the value will be updated.
.computer.hardware.os_version	Asset.Attribute	Operating System Version	N/A	11.6.6	If the attribute already exists, the value will be updated.
.computer.hardware.os_build	Asset.Attribute	Operating System Build	N/A	20G624	If the attribute already exists, the value will be updated.
.computer.hardware.processor_type	Asset.Attribute	Processor Type	N/A	Quad-Core Intel Core i7	N/A
.computer.hardware.processor_architecture	Asset.Attribute	Processor Architecture	N/A	x86_64	N/A
.computer.security.secure_boot_level	Asset.Attribute	Secure Boot Level	N/A	not supported	N/A

Average Feed Run

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

Jamf Mobile Devices

METRIC	RESULT
Run Time	1 minute
Assets	3
Asset Attributes	12

Jamf Computers

METRIC	RESULT
Run Time	1 minute
Assets	3
Asset Attributes	57

Change Log

- **Version 1.0.0**
  - Initial release