

Trust Center 25.06.0-rc48

This document describes each container image in use in the Trust Center version 25.06.0-rc48 deployment.

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Component List

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Verifying Container Images

First, copy the container registry password from `global.images.password` in your Trust Center's `config.yaml`.

Then, log into the container registry:

```
$ docker login docker.cloudsmith.io
Username: teradici/trust-center
Password: <Password>
```

(note: If using a beta release, use `teradici/trust-center-beta` instead)

Next, check the details for a specific container image in the remote registry:

```
$ docker buildx imagetools inspect <Image tag>
Name:      <Image tag>
MediaType: application/vnd.docker.distribution.manifest.v2+json
Digest:    sha256:002f688e9756d464d2064b526d4446306210198e8c8b234b36c9a8d5
```

`<Image tag>` should be the full URI to the image, e.g.:
`docker.cloudsmith.io/teradici/trust-center/fluently/fluently:v1.16-2`

Now, pull the image to download it locally:

```
$ docker pull <Image tag>
[...]
$ docker inspect --format='{{index .RepoDigests 0}}' <Image tag>
<Image tag>@sha256:002f688e9756d464d2064b526d4446306210198e8c8b234b36c9a8d5
```

The image sha256 hash should match between the remote container registry and the local copy.

Additionally, the hash calculated here should match the image hash listed for each container image in these READMEs.

Component Details

Trust Center Init Job

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/trust-center-ctl
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:b838a7a8565e11aba77a0680ef312d3df89ea1b2c38015f5d8019b824c1329b3

Description

Container which runs on initial installation and upgrade of the Trust Center. Initializes and upgrades Trust Center service configuration.

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Busybox

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/library/busybox
Product	Trust Center
Supplier	Open Source
Version	1.36.1
Image Hash	sha256:023917ec6a886d0e8e15f28fb543515a5fcd8d938edb091e8147db4efed388ee

Description

Used for various init containers preventing services from starting up before dependencies are ready.

We use the official Docker image for Busybox: https://hub.docker.com/_/busybox

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Activity Log Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/ms_activity_log
Product	Trust Center
Supplier	HP Inc.
Version	0.0.864_43ed890
Image Hash	sha256:87ede8e0fb2246c41a29ff038d893d9ed5dde0dda834f7eb42870e6ea99dce7d

Description

The Activity Log service handles events generated by Trust Center services, and exposes an API to query activity logs.

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Authorization Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/ms_authorization
Product	Trust Center
Supplier	HP Inc.
Version	0.0.5863_d42c581
Image Hash	sha256:0f737f26017f7657d8e8fca989f0a33449f2cda8e2c49897cd49294d0b8c347b

Description

The Authorization service handles authentication and authorization for Trust Center API service accounts.

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Asset Management Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/asset-mgmt
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:cf13f93d240958eb5614c573b19a2cc30757ab0397dd6b84b158422c1621875

Description

The Asset Management service enables storing and retrieving assets (such as support bundles, branding assets) within the Trust Center.

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Command Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/command
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:a8378731566e976a827048335742573a6fd2c689fddf08d96660ac2210b3dbe7

Description

The Command service enables sending commands to endpoints connected to the Trust Center and processing command status updates.

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Endpoint Connector Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/endpoint-connector
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:909880ac92d3dab673f6a55c47b0cc9f86cefeee6434b31a172a4adb99ab0bb8

Description

The Endpoint Connector service provides APIs which Trusted Zero Clients and other endpoints use to communicate with the Trust Center.

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Endpoint Registry Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/endpoint-registry
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:d34ccb395b3de4325652bff5ca655baf72ff33c825993e228a4e80acd7301154

Description

The Endpoint Registry service maintains endpoint digital twins and provides APIs for management of endpoint configuration.

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Endpoint Updater Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/endpoint-updater
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:fc38be3b7552962000eb1d22963f6ee01704caaeb07f415b68865cdea30129b7

Description

The Endpoint Updater service is responsible for triggering OTA updates for connected endpoints when requested in endpoint configuration.

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Health Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/health
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:9666cc19ac60cd5a9d63ac1f2bff0c2d0a71d09c31886be6e1340e0fe2f52cb5

Description

The Health service provides API endpoints for Trust Center deployment health-checks.

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Manager UI Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/manager-ui
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:bf8031d99e02764199216a76b25a88bbebfd35e92c3c67f423eebbd65d56a359

Description

The Manager UI service provides a web-based user interface for administrators to manage and configure the Trust Center deployment.

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OSTree Sync Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/ostree-sync
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:50cc639bf1e9709e96f67fb065f7c649b421a3a833862fb1e6ca891b5fc7fbda

Description

The OSTree Sync service is responsible for storing Trusted Zero Client OTA update images and serving them to endpoints when requested.

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PKI Adapter Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/pki-adapter
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:34a4ee5ea561db482e74f43a8fe65d982af699898c85e9104091694af36f8816

Description

The PKI Adapter Service is responsible for for providing an interface for Trust Center services to request certificates and tokens generated by internal and external issuers.

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Rotate Signing Key Job

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/job_rotate_signing_key
Product	Trust Center
Supplier	HP Inc.
Version	0.0.338_df40f59
Image Hash	sha256:06650cc96fd6419fabe526306add72af5157e10a15028336250c31f60072e99f

Description

The Rotate Signing Key job is used as a periodic CronJob in the Trust Center to rotate internal token signing keys.

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Secret Management Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/ms_secret_mgmt
Product	Trust Center
Supplier	HP Inc.
Version	0.0.690_b709211
Image Hash	sha256:ed8044a52a74886470b84ea3ddfb3762eef537fed16d6ef3e8568f99ae4370f

Description

The Secret Management service provides an interface for Trust Center services to access key/value secrets from internal (Vault) and external secret storage providers.

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Trust Enforcement Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/trust-enforcement
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:8d9a637b73a87101fae439daf626976f8aedc381804329d39d7b293f5550d6e0

Description

The Trust Enforcement Service is responsible for facilitating policy evaluation and enforcement on endpoints connected to the Trust Center.

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Vault Unseal Job

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/vault-unseal
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:b76f5e529bcfa4535989a172637cabbd4977a4f6fa96f169bc3b2b45c906d0d9

Description

The Vault Unseal job is a CronJob used by the Trust Center to ensure the internal Vault instance (for on-prem deployments) is unsealed.

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External API Docs

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/docs-external-v1
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:8ff333304796a9fc1fe5ac97cec266dd39081b894b6abaaae8b9ba488f619df0

Description

This container serves a copy of the External API documentation corresponding to this version of the Trust Center.

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Watcher Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/watcher
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:530e8c564628ea974695c2545631d012d87ae397f3349223ba3d668ff1ca1534

Description

The Watcher service is responsible for evaluating endpoint policies configured via the Trust Center.

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Tera2 Connector Service

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/trust-center/t2-connector
Product	Trust Center
Supplier	HP Inc.
Version	25.06.0-rc48
Image Hash	sha256:29e107db7950d2c8777607fd3a23d2999366c89c80aeabe8596681045172f40d

Description

The Tera2 Connector service provides APIs used by Tera2 endpoints to connect to the Trust Center.

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Vault

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/hashicorp/vault
Product	Hashicorp Vault
Supplier	Hashicorp
Version	1.19.1
Image Hash	sha256:9014214058baad9bfb26959ad1b1946d04b1d22e10d454de271402d995c6e963

Description

Hashicorp Vault is a third party component deployed with the Trust Center in on-premises deployments to securely store deployment secrets.

We use the official Docker image for Hashicorp Vault: <https://hub.docker.com/r/hashicorp/vault>

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Redis

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/valkey/valkey
Product	Redis
Supplier	Redis Ltd.
Version	7.2.8-alpine
Image Hash	sha256:5fc10e150821a2a7ebb472fcd5bd637b98764d9a6fa628b3b8916d4989dbb37d

Description

Redis is a third-party component deployed with the Trust Center to function as an in-memory cache.

We use the official Docker image for Redis: https://hub.docker.com/_/redis

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Redis Prometheus Exporter

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/oliver006/redis_exporter
Product	Redis
Supplier	Open Source - Oliver006
Version	v1.69.0-alpine
Image Hash	sha256:d8074df3c7dc9766ef0bd66f65772404fba7ee9968041c039b844dd5a94e95a3

Description

Small third-party component used to export Prometheus metrics from Redis.

Uses mirrored Docker Hub image: https://hub.docker.com/r/oliver006/redis_exporter

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Kafka

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/confluentinc/cp-kafka
Product	Kafka
Supplier	Confluent Inc.
Version	7.9.2
Image Hash	sha256:2c465ada6e356b306894929e3328ea492758b50a414e6dd7806e4f4576176d0d

Description

Kafka is deployed as part of the Trust Center to handle message queueing.

We use the Kafka Docker image (Community Version) maintained by Confluent Inc.: <https://hub.docker.com/r/confluentinc/cp-kafka/>

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Kafka Prometheus Exporter

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/danielqsj/kafka-exporter
Product	Kafka
Supplier	Open Source - Daniel Qian
Version	v1.9.0
Image Hash	sha256:5a639c8c918da17c8b01cc87e01fc4bcaa3554cbcd5e76bd84c5874bcd8553e0

Description

Small third-party component used to export Prometheus metrics from Kafka.

Uses mirrored Docker Hub image: <https://hub.docker.com/r/danielqsj/kafka-exporter>

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MongoDB

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/library/mongo
Product	MongoDB
Supplier	MongoDB Inc.
Version	8.0.6
Image Hash	sha256:77e756d6e0a52c9a6f9d8c39119ab075ba71c110695ba2a5c934598cc3026f93

Description

MongoDB is included in on-premises deployments of the Trust Center to handle data persistence.

We use the official Docker image for MongoDB: https://hub.docker.com/_/mongo

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MongoDB Prometheus Exporter

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/bitnami/mongodb-exporter
Product	MongoDB
Supplier	Bitnami
Version	0.44.0
Image Hash	sha256:e1ead1a2fcc2be3bd803a434367a704f24964c943c8287356fbc20b9cf7b798

Description

Small third-party component used to export Prometheus metrics from MongoDB.

Uses mirrored Docker Hub image: <https://hub.docker.com/r/bitnami/mongodb-exporter/>

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NGINX Ingress Controller

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/ingress-nginx/controller
Product	NGINX
Supplier	NGINX Inc.
Version	v1.12.2
Image Hash	sha256:1b493796f5dfbfd2e00a255b7fc32af849bc416ad45b31558540a951d1afa3ba

Description

The Trust Center uses the NGINX Ingress controller to handle ingress to Trust Center APIs (including TLS, WAF, etc.)

We use the official Docker image for nginx-ingress: <https://hub.docker.com/r/nginx/nginx-ingress>

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Fluent Bit

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/fluents/fluents-bit
Product	Fluentd
Supplier	Fluent
Version	4.0.1
Image Hash	sha256:10cf12dd1f7f500187baf7bf3eb04784654d25f8c95f6dd946a37542e5a73d67

Description

Fluent Bit is a third party log processor deployed with the Trust Center to facilitate log aggregation.

We use the official Docker image for Fluent Bit: <https://hub.docker.com/r/fluents/fluents-bit>

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Fluentd

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/fluents/fluentsd
Product	Fluentd
Supplier	Fluent
Version	v1.17-1
Image Hash	sha256:c795c1bf9918c77a5415e2fda5825f9341f2dd0645d9adfb91f8cae3a3e6b240

Description

Fluentd is a third party log data collector deployed with the Trust Center to facilitate log aggregation.

We use the official Docker image for Fluentd: <https://hub.docker.com/r/fluents/fluentsd>

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cert-manager CA Injector

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/jetstack/cert-manager-cainjector
Product	cert-manager
Supplier	cert-manager Project
Version	v1.17.2
Image Hash	sha256:5da73b0d42def802217c969fdbfbd5f9a8a24a395f53f24aaf3662e7c9f97afb

Description

We include cert-manager in the Trust Center deployment to automatically manage API ingress certificates.

We use the Docker image for the cert-manager CA injector managed by Jetstack: <https://quay.io/repository/jetstack/cert-manager-cainjector>

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cert-manager Controller

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/jetstack/cert-manager-controller
Product	cert-manager
Supplier	cert-manager Project
Version	v1.17.2
Image Hash	sha256:466dead1d21b853cbd14b3608be0b75163a25d3f5d34c99eec3ea8740712c62e

Description

We include cert-manager in the Trust Center deployment to automatically manage API ingress certificates.

We use the Docker image for the cert-manager controller managed by Jetstack: <https://quay.io/repository/jetstack/cert-manager-controller>

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cert-manager Webhooks

Metadata

Field	Value
Container Image	docker.cloudsmith.io/teradici/trust-center/jetstack/cert-manager-webhook
Product	cert-manager
Supplier	cert-manager Project
Version	v1.17.2
Image Hash	sha256:57daadb1cee21729fd98739a62ce46efe35ef5dd1e66a307d55a1208d88674d4

Description

We include cert-manager in the Trust Center deployment to automatically manage API ingress certificates.

We use the Docker image for the cert-manager webhooks managed by Jetstack: <https://quay.io/repository/jetstack/cert-manager-webhook>

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