SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

Guidance for Upgrade to DFM 1.0.1.10 from DFM 1.0.1.9

Version : 1.7

Last Update : Apr 2025

Document History】

What	Ver.	When
I. Added: Guidance for upgrade to DFM 1.0.1.10 ← There are a couple of items that have changed: 1) changed Podman image files, 2) alter table	**Ver1.7**	**Apr 2025**
I. Added: Guidance for upgrade to DFM 1.0.1.9 ← There are a couple of items that have changed: 2) changed Podman image files, 2) New Feature: dfm mysql update and minio update	**Ver1.6**	**Dec 2024**
I. Added: Guidance for upgrade to DFM 1.0.1.8 ← There are a couple of items that have changed: 1) changed Podman image files, 2) alter table, 3)New Feature: Configurable license app enabled, port, core run command, 4) Background app setting	**Ver1.5**	**Jun 2024**
I. Added: Guidance for upgrade to DFM 1.0.1.7 ← There are a couple of items that have changed: 1) changed Docker image files, 2) New Feature: Configurable device group polling	**Ver1.4**	**Oct 2023**
I. Added: Guidance for upgrade to DFM 1.0.1.6 ← There are a couple of items that have changed: 1) changed Docker image files, 2) alter table, 3) New Feature: Configurable Device Group polling	**Ver1.3**	**Apr 2023**
I. Added: Guidance for upgrade to DFM 1.0.1.5 ← There are a couple of items that have changed: 1) changed Podman image files	**Ver1.2**	**Jul 2022**
I. Added: Guidance for upgrade to DFM 1.0.1.4 ← There are a couple of items that have changed: 1) changed Podman image files, 2), New Feature: Configurable length of password digits	**Ver1.1**	**Mar 2022**
I. Added: Guidance for upgrade to DFM 1.0.1.3 ← There are a couple of items that have changed: 1) changed Podman image files	**Ver1.0**	**Jan 2022**

[ADDENDUM] : Upgrade from 1.0.1.9 to 1.0.1.10

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.9 to 1.0.1.10**. If DFM has never been installed on the server, please refer to the server installation guides.

1.2. Why patch DFM Podman images, etc.?

- Updated bug issues
- New feature: changed podman image dfm-core and dfm-console

1.3. What changed in version 1.0.1.10 ?

	Category	Summary
1	Podman image	- dfm-core image - dfm-console image

1. Changed two Podman image files when compared with the previous DFM 1.0.1.10 version:
   - dfm-core
   - dfm-console

1.4. Update the DFM Module

During the update, a short circuit may occur.

The DFM Module is logged in with **a dedicated service account** and operates with the privileges of the account. You should log in with the account you used to install before.

1.4.1. Install v1.0.1.10 DFM Module Package

The following command shows you how to install the v1.0.1.10 tar compress package:

1) delete exist dfm folder
rm -rf /tmp/dfm

2) extract package
tar -zxvf sec-dfm_1.0.1.10.tar.gz -C /tmp

example)
$ tar -zxvf sec-dfm_1.0.1.10.tar.gz
/tmp/dfm/
....
/tmp/dfm/usr/
/tmp/dfm/usr/bin/
/tmp/dfm/usr/bin/dfm

1.4.2. Alter Table

1) Alter table using an SQL script

1) Executing an SQL script
podman exec -i dfm-mysql mysql -uroot -p[password] < /tmp/sec-dfm_1.0.1.10/dfm/mysql-query/patch_1.0.1.10.sql

1.4.3. DFM CLI Update

【**STEP 1**】Copy the DFM CLI.

```
sudo cp /tmp/dfm/bin/dfm /usr/local/bin or sudo cp /tmp/dfm/bin/dfm /usr/bin

Example)
sudo cp /tmp/dfm/bin/dfm /usr/local/bin
```

【**STEP 2**】Check the DFM CLI privileges and version.

```
ls -al /usr/local/bin/dfm or ls -al /usr/bin/dfm
-rwxr-xr-x. 1 efotadm efotadm 2902624 Mar  2 07:42 dfm

dfm version
version: 1.0.1.10 Red Hat Enterprise Linux release 8.4 (Ootpa)
```

1.4.4 DFM Core Update

The released **Core** image information is as follows:

【**STEP01**】Stop the running core server.

```
#root mode
sudo dfm terminate dfm-core
#rootless mode
dfm terminate dfm-core
```

【**STEP02**】Load the released podman image.

```
#root mode
sudo podman load -i /tmp/dfm/images/dfm-core_1.0.1.10.tar

#rootless mode
podman load -i /tmp/dfm/images/dfm-core_1.0.1.10.tar
```

【**STEP03**】Change repository and tag's configuration

```
dfm config set core_img_rep=localhost/dfm-core

dfm config set core_img_tag=1.0.1.10
```

【**STEP04**】Confirm the changed repository and tag's configuration

```
dfm config get core_img_rep
dfm config get core_img_tag
```

【**STEP05**】Start up Server

DFM Core Server

```
#rootless mode
dfm start dfm-core

#root mode
sudo dfm start dfm-core
```

【Validation】
Make sure the DFM Core Server container is in a healthy state. It may take some time until its state is healthy.

```
# If it is redhat 8.4 version, run health check
podman healthcheck run dfm-core

#rootless mode
podman ps -a

#root mode
sudo podman ps -a
```

Example)

CONTAINER ID	IMAGE	STATUS	NAMES
9baaf3c0338a	localhost/mysql:8.0.36	Up 36 seconds ago (**healthy**)	dfm-mysql
77d1f27b3038	localhost/minio/minio:RELEASE.2022-04-30T22-23-53Z	Up 38 seconds ago (**healthy**)	dfm-minio
15dd23fb2355	localhost/dfm-core:1.0.1.10	Up 32 seconds ago (**healthy**)	dfm-core

1.4.5 DFM Admin Console Update

The released **Admin Console** image information is as follows:

【STEP01】 Stop the running console server.

```
#root mode
sudo dfm terminate dfm-console
#rootless mode
dfm terminate dfm-console
```

【STEP02】 Load the released podman image.

```
#root mode
sudo podman load -i /tmp/dfm/images/dfm-console_1.0.1.10.tar

#rootless mode
podman load -i /tmp/dfm/images/dfm-console_1.0.1.10.tar
```

【STEP03】 Change repository and tag's configuration

```
dfm config set console_img_rep=localhost/dfm-console

dfm config set console_img_tag=1.0.1.10
```

【**STEP04**】Confirm the changed repository and tag's configuration

```
dfm config get console_img_rep
dfm config get console_img_tag
```

【**STEP05**】Start up Server

DFM Core Server

```
#rootless mode
dfm start dfm-console

#root mode
sudo dfm start dfm-console
```

【Validation】

Make sure the DFM Core Server container is in a healthy state. It may take some time until its state is healthy.

```
# If it is redhat 8.4 version, run health check
podman healthcheck run dfm-console

#rootless mode
podman ps -a

#root mode
sudo podman ps -a
```

Example)

CONTAINER ID	IMAGE	STATUS	NAMES
9baaf3c0338a	localhost/mysql:8.0.36	Up 36 seconds ago (**healthy**)	dfm-mysql
77d1f27b3038	localhost/minio/minio:RELEASE.2022-04-30T22-23-53Z	Up 38 seconds ago (**healthy**)	dfm-minio
15dd23fb2355	localhost/dfm-core:1.0.1.10	Up 32 seconds ago (**healthy**)	dfm-core
c49a291fbede	localhost/dfm-console:1.0.1.10	Up 32 seconds ago (**healthy**)	dfm-console

< EOF (End Of File) >