SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

Guidance for Upgrade to DFM 1.0.1.11 from DFM 1.0.1.10

Version : 1.0

Last Update : Jan 2026

Document History

What	*Ver.*	*When*
Initial Release	Ver1.0	Jan 2022

[ADDENDUM] : Upgrade from 1.0.1.10 to 1.0.1.11

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.10 to 1.0.1.11**. 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 1.0.1.11 ?

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

1. Changed two Podman image files when compared with the previous DFM 1.0.1.11 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 v1.0.1.11 DFM Module Package

The following command shows you how to install the v1.0.1.11 tar compress package:

```
1) delete exist dfm folder
  rm -rf /tmp/sec-dfm_1.0.1.11/dfm

2) extract package
tar -zxvf  sec-dfm_1.0.1.11.tar.gz -C /tmp

example)
$ tar -zxvf sec-dfm_1.0.1.11.tar.gz
  /tmp/sec-dfm_1.0.1.11/dfm/
  ....
  /tmp/sec-dfm_1.0.1.11/dfm/usr/
  /tmp/sec-dfm_1.0.1.11/dfm/usr/bin/
  /tmp/sec-dfm_1.0.1.11/dfm/usr/bin/dfm
```

1.4.2. Alter Table

1) Alter table using an SQL script
   Important! DFM db initialization must be performed on the primary server.

```
1)  Executing an SQL script
podman exec -i dfm-mysql mysql -uroot -p[password] < /tmp/sec-dfm_1.0.1.11/dfm/mysql-
query/patch_1.0.1.11.sql
```

1.4.3. DFM CLI Update

【**STEP 1**】Copy the DFM CLI.

sudo cp /tmp/sec-dfm_1.0.1.11/dfm/bin/dfm /usr/local/bin or sudo cp /tmp/sec-dfm_1.0.1.11/dfm/bin/dfm /usr/bin

Example)
sudo cp /tmp/sec-dfm_1.0.1.11/dfm/bin/dfm /usr/local/bin

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

dfm version
version: 1.0.11 Red Hat Enterprise Linux release 8.4 (Ootpa)

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

1.4.4. Configure polling interval default

【**STEP 1**】Check the DFM CLI version.

dfm version
version: 1.0.11

【**STEP 2**】Set the polling interval default second (sudo is required in root mode.)

If you enter an empty value in second, it is set automatically.

Example)
#root mode
sudo dfm config set polling_interval_default=
#rootless mode
dfm config set polling_interval_default=

【**STEP 3**】Set the polling interval default second (Allowed values: integer type).

Example)
dfm config set polling_interval_default=86400

【**STEP 4**】Confirm the configurations.

dfm config get polling_interval_default

1.4.5. 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/sec-dfm_1.0.1.11/dfm/images/dfm-core_1.0.1.11.tar

#rootless mode
podman load -i /tmp/sec-dfm_1.0.1.11/dfm/images/dfm-core_1.0.1.11.tar
```

【STEP03】Change repository and tag's configuration

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

dfm config set core_img_tag=1.0.1.11
```

【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
15dd23fb2355	localhost/dfm-core:1.0.1.11	Up 32 seconds ago (healthy)	dfm-core

1.4.6 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/sec-dfm_1.0.1.11/dfm/images/dfm-console_1.0.1.11.tar

#rootless mode
podman load -i /tmp/sec-dfm_1.0.1.11/dfm/images/dfm-console_1.0.1.11.tar
```

【STEP03】Change repository and tag's configuration

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

dfm config set console_img_tag=1.0.1.11
```

【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
c49a291fbede	localhost/dfm-console:1.0.1.11	Up 32 seconds ago (healthy)	dfm-console

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