SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

Guidance for Upgrade to DFM 1.0.1.9 from DFM 1.0.1.8

Version : 1.8

Last Update : Dec 2024

Document History】

What	Ver.	When
I. Added: Guidance for upgrade to DFM 1.0.1.9 ← There are a couple of items that have changed: 1) changed Docker image files, 2) New Feature: dfm mysql update and minio update	**Ver1.8**	**Dec 2024**
I. Added: Guidance for upgrade to DFM 1.0.1.8 ← There are a couple of items that have changed: 1) changed Docker image files, 2) alter table, 3)New Feature: Configurable license app enabled, port, core run command, 4) Background app setting	**Ver1.7**	**June 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	**Ver1.6**	**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	**Ver1.5**	**Apr 2023**
I. Added: Guidance for upgrade to DFM 1.0.1.5 ← There are a couple of items that have changed: 1) changed Docker image files	**Ver1.4**	**Jul 2022**
I. Added: Guidance for upgrade to DFM 1.0.1.4 ← There are a couple of items that have changed: 1) changed Docker image files, 2), New Feature: Configurable length of password digits	**Ver1.3**	**Mar 2022**
I. Added: Guidance for upgrade to DFM 1.0.1.3 ← There are a couple of items that have changed: 1) changed Docker image files	**Ver1.2**	**Jan 2022**
I. Added: Guidance for upgrade to DFM 1.0.1.1 ← There are a couple of items that have changed: 1) changed Docker image files, 2), alter table	**Ver1.1**	**Sep 2021**
I. Added: Guidance for upgrade to DFM 1.0.1.1 ← There are a couple of items that have changed: 1) changed Docker image files, 2) changed HAProxy configurations (haproxy.cfg and error files)	**Ver1.0**	**Nov 2020**

[ADDENDUM] : Upgrade from 1.0.1.8 to 1.0.1.9

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.8 to 1.0.1.9**. If DFM has never been installed on the server, skip this process and follow the new installation process document.

1.2. Why should DFM Docker images be patched?

- Various bug fixes
- New feature: changed Docker image dfm-core and dfm-console

1.3. What is changed in version 1.0.1.9?

	Category	Summary
1	Docker image	- dfm-mysql image - dfm-minio image - dfm-core image - dfm-console image

1. Changed four Docker image files from the previous DFM 1.0.1.9 version:
    - dfm-mysql
    - dfm-minio
    - dfm-core
    - dfm-console

Docker images	DFM 1.0.1.8	DFM 1.0.1.9
dfm-core	repository : dfm-core tag : 1.0.1.8	repository : dfm-core **tag : 1.0.1.9**
dfm-console	repository : dfm-console tag : 1.0.1.8	repository : dfm-console **tag : 1.0.1.9**
dfm-minio	repository : minio/minio tag : RELEASE.2020-06-01T17-28-03Z	repository : minio/minio tag : RELEASE.2022-04-30T22-23-53Z
dfm-mysql	repository : mysql/enterprise-server tag : 8.0	repository : mysql/enterprise-server tag : 8.0.36
dfm-proxy	repository : haproxytech/haproxy-debian tag : 2.1.4	repository : haproxytech/haproxy-debian tag : 2.2.33

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 v1.0.1.9 DFM Module Package

Here is a command showing how to install the v1.0.1.8 Debian package:

```
1) check if v1.0.1.9 is installed
dpkg -l | grep sec-dfm

example:
$ dpkg -l | grep sec-dfm
ii    sec-dfm    1.0.1.9     all    Samsung Enterprise fota dfm package
$


2) install
sudo dpkg -i sec-dfm_1.0.1.9.deb

example:
$ sudo dpkg -i sec-dfm_1.0.1.9.deb
(Reading database ... 372179 files and directories currently installed.)
Preparing to unpack sec-dfm_1.0.1.9.deb ...
Unpacking sec-dfm (1.0.1.8) over (1.0.1.9) ...
Setting up sec-dfm (1.0.1.9) ...
$

$ dpkg -l | grep sec-dfm
ii    sec-dfm    1.0.1.9    all    Samsung Enterprise fota dfm package
$
```

1.4.2. DFM Mysql Update

The released **Mysql** image information is as follows:
- Docker image : mysql-8.0.36.tar
- repository : mysql
- tag : 8.0.36

【STEP 1】 Stop the running mysql server.

```
dfm terminate dfm-mysql
```

【STEP 2】 Load the released Docker image.

```
docker load < /tmp/dfm/docker-images/mysql-8.0.36.tar
```

【STEP 3】 Change the repository and tag configuration

```
dfm config set core_img_rep= mysql
dfm config set core_img_tag=8.0.36
```

【STEP 4】 Confirm the changed repository and tag configuration

```
dfm config get mysql_img_rep
dfm config get mysql_img_tag
```

【STEP 5】 Start up the Server
- Mysql Server

```
dfm start dfm-mysql
```

【Validation】
Make sure mysql container is in a healthy state. It takes some time until its state is healthy.

```
docker ps -a
```

1.4.3. DFM Minio Update

The released **Minio** image information is as follows:
- Docker image : minio-RELEASE.2022-04-30T22-23-53Z.tar
- repository : minio/minio
- tag : RELEASE.2022-04-30T22-23-53Z

【STEP 1】 Stop the running minio server.

```
dfm terminate dfm-minio
```

【STEP 2】 Load the released Docker image.

```
docker load < /tmp/dfm/docker-images/minio-RELEASE.2022-04-30T22-23-53Z.tar
```

【STEP 3】 Change the repository and tag configuration

```
dfm config set minio_img_rep=minio/minio
dfm config set minio_img_tag=RELEASE.2022-04-30T22-23-53Z
```

【STEP 4】 Confirm the changed repository and tag configuration

```
dfm config get minio_img_rep
dfm config get minio_img_tag
```

【STEP 5】 Start up the Server

- Minio Server

```
dfm start dfm-minio
```

【Validation】
Make sure minio container is in a healthy state. It takes some time until its state is healthy.

```
docker ps -a
```

1.4.4. DFM Core Update

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

- Docker image : dfm-core-1.0.1.9.tar
- repository : dfm-core
- tag : 1.0.1.9

【STEP 1】 Stop the running core server.

```
dfm terminate dfm-core
```

【STEP 2】 Load the released Docker image.

```
docker load < /tmp/dfm/docker-images/dfm-core-1.0.1.9.tar
```

【STEP 3】 Change the repository and tag configuration

```
dfm config set core_img_rep=dfm-core
dfm config set core_img_tag=1.0.1.9
```

【STEP 4】 Confirm the changed repository and tag configuration

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

【STEP 5】 Start up the Server

- Core Server

```
dfm start dfm-core
```

【Validation】
Make sure core container is in a healthy state. It takes some time until its state is healthy.

```
docker ps -a
```

1.4.5. DFM Admin Console Update

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

- Docker image : dfm-console-1.0.1.9.tar
- repository : dfm-console
- tag : 1.0.1.9

【STEP 1】 Stop the running console server

> **dfm terminate dfm-console**

【**STEP 2**】 Load the released Docker image.

> **docker load < /tmp/dfm/docker-images/dfm-console-1.0.1.9.tar**

【**STEP 3**】 Change repository and tag configuration

> **dfm config set console_img_rep=dfm-console**
> **dfm config set console_img_tag=1.0.1.9**

【**STEP 4**】 Confirm the changed repository and tag configuration

> **dfm config get console_img_rep**
> **dfm config get console_img_tag**

【**STEP 5**】 Start up the Server
- Console Server

> **dfm start dfm-console**

【Validation】
Make sure console container is in a healthy state. It takes some time until its state is healthy.

> **docker ps -a**

< **EOF** (End Of File) >