

SAMSUNG ELECTRONICS

# Knox E-FOTA On-Premises

**Guidance for Upgrade to DFM  
1.0.1.12 from DFM 1.0.1.11**

**Version : 1.1**

Last Update : June 2026

**Document History**

<i>What</i>	<i>Ver.</i>	<i>When</i>
<b>Updated</b> version updated	Ver.1.1	June 2026
<b>Initial Release</b>	Ver1.0	Jan 2026

## [ADDENDUM] : Upgrade from 1.0.1.11 to 1.0.1.12

### 1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.11 to 1.0.1.12**. If DFM has never been installed on the server, please refer to the server installation guides.

### 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 1.0.1.12?

	Category	Summary
1	Docker image	- dfm-core image - dfm-console image
2	Mysql	- Alter table

1. Changed two Docker image files from the previous DFM 1.0.1.11 version:
  - dfm-core
  - dfm-console

Docker images	DFM 1.0.1.11	DFM 1.0.1.12
dfm-core	repository : dfm-core tag : 1.0.1.11	repository : dfm-core <b>tag : 1.0.1.12</b>
dfm-console	repository : dfm-console tag : 1.0.1.11	repository : dfm-console <b>tag : 1.0.1.12</b>
dfm-minio	repository : minio/minio tag : RELEASE.2022-04-30T22-23-53Z	repository : minio/minio tag : RELEASE.2022-04-30T22-23-53Z
dfm-mysql	repository : mysql tag : 8.0.36	repository : mysql tag : 8.0.36
dfm-proxy	repository : haproxytech/haproxy-debian tag : 2.2.33	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 v1.0.1.12 DFM Module Package

Here is a command showing how to install the v1.0.1.12 Debian package:

```
1) check if v1.0.1.12 is installed  
dpkg -l | grep sec-dfm  
  
example:  
$ dpkg -l | grep sec-dfm  
ii  sec-dfm  1.0.1.12  all  Samsung Enterprise fota dfm package  
$  
  
2) install  
sudo dpkg -i sec-dfm_1.0.1.12.deb  
  
example:  
$ sudo dpkg -i sec-dfm_1.0.1.12.deb  
(Reading database ... 372179 files and directories currently installed.)  
Preparing to unpack sec-dfm_1.0.1.12.deb ...  
Unpacking sec-dfm (1.0.1.12) over (1.0.1.12)  
...Setting up sec-dfm (1.0.1.12) ...  
$  
  
$ dpkg -l | grep sec-dfm  
ii  sec-dfm  1.0.1.12  all  Samsung Enterprise fota dfm package  
$
```

### 1.4.2. Alter Table

- 1) Alter table using an SQL script  
Important! script must be run on the primary server.

```
1) Executing an SQL script  
docker exec -i dfm-mysql mysql -uroot -p[password] < /tmp/dfm/mysql-query/patch_1.0.1.12.sql
```

### 1.4.3. Configure polling interval default

**[STEP 1]** Check the DFM CLI version.

```
dfm version
version: 1.0.10
```

**[STEP 2]** Set the polling interval default second

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

```
Example)
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
```

### 1.4.4. DFM Core Update

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

- Docker image : dfm-core-1.0.1.12.tar
- repository : dfm-core
- tag : 1.0.1.12

**[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-1.0.1.12.tar
```

**[STEP 3]** Change the repository and tag configuration

```
dfm config set core_img_rep=dfm-core
dfm config set core_img_tag=1.0.1.12
```

**[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-1.0.1.12.tar
- repository : dfm-console
- tag : 1.0.1.12

**【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-1.0.1.12.tar
```

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

```
dfm config set console_img_rep=dfm-console  
dfm config set console_img_tag=1.0.1.12
```

**【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
```

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