

SAMSUNG ELECTRONICS

# Knox E-FOTA On-Premises

**Guidance for Upgrade to DFM 1.0.1.2  
from DFM 1.0.1.1**

**Version : 1.1**

Last Update : September 2021



**Document History**

<b><i>What</i></b>	<b><i>Ver.</i></b>	<b><i>When</i></b>
<b>I. Added:</b> 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	<b>Ver1.1</b>	<b>Sep 2021</b>
<b>I. Added:</b> 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)	<b>Ver1.0</b>	<b>Nov 2020</b>

## [ADDENDUM] : Upgrade from 1.0.1.1 to 1.0.1.2

### 1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.1 to 1.0.1.2**. If DFM has never been installed on the server, skip this process and follow the new installation process document.

### 1.2. Why patch DFM Docker images etc.

- updated bug issues

### 1.3. What is changed in version 1.0.1.2 ?

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

1. Changed two Docker image files when compared with the previous DFM 1.0.1.2 version:
  - dfm-core
  - dfm-console

Docker images	DFM 1.0.1.1	DFM 1.0.1.2
dfm-core	repository : dfm-core tag : 1.0.1.1	repository : dfm-core <b>tag : 1.0.1.2</b>
dfm-console	repository : dfm-console tag : 1.0.1.1	repository : dfm-console <b>tag : 1.0.1.2</b>
dfm-minio	repository : minio/minio tag : RELEASE.2020-06-01T17-28-03Z	repository : minio/minio tag : RELEASE.2020-06-01T17-28-03Z
dfm-mysql	repository : mysql/enterprise-server tag : 8.0	repository : mysql/enterprise-server tag : 8.0
dfm-proxy	repository : haproxytech/haproxy-debian tag : 2.1.4	repository : haproxytech/haproxy-debian tag : 2.1.4

2. Changed SQL Alter table script

## 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 v1.0.1.2 DFM Module Package

Here is a command showing how to install the v1.0.1.2 Debian package:

#### 1) check if v1.0.1.1 is installed

```
dpkg -l | grep sec-dfm
```

#### example:

```
$ dpkg -l | grep sec-dfm
ii  sec-dfm  1.0.1.1  all  Samsung Enterprise fota dfm package
$
```

#### 2) install

```
sudo dpkg -i sec-dfm_1.0.1.2.deb
```

#### example:

```
$ sudo dpkg -i sec-dfm_1.0.1.2.deb
(Reading database ... 265246 files and directories currently installed.)
Preparing to unpack sec-dfm_1.0.1.2.deb ...
Unpacking sec-dfm (1.0.1.2) over (1.0.1.1) ...
Setting up sec-dfm (1.0.1.2) ...
$

$ dpkg -l | grep sec-dfm
ii  sec-dfm  1.0.1.2  all  Samsung Enterprise fota dfm package
$
```

### 1.4.2. DFM Core Update

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

- Docker image : dfm-core-1.0.1.2.tar
- repository : dfm-core
- tag : 1.0.1.2

**【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-1.0.1.2.tar
```

**【STEP 3】** Change the repository and tag's configuration

```
dfm config set core_img_rep=dfm-core  
dfm config set core_img_tag=1.0.1.2
```

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

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

**【STEP 5】** Start-up Server

- DFM Core Server

```
dfm start dfm-core
```

**【Validation】**

Run the following command to ensure the mysql container is in a healthy state. It takes some time until its state is healthy.

```
docker ps -a
```

### 1.4.3. DFM Admin Console Update

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

- docker image : dfm-console-1.0.1.2.tar
- repository : dfm-console
- tag : 1.0.1.2

**【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-1.0.1.2.tar
```

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

```
dfm config set console_img_rep=dfm-console  
dfm config set console_img_tag=1.0.1.2
```

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

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

**【STEP 5】** Start-up Server

- Admin Console Server

```
dfm start dfm-console
```

**【Validation】**

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

```
docker ps -a
```

#### 1.4.4. Alter Table

1) Alter table using SQL script

**1) Executing a SQL script**

```
docker exec -i dfm-mysql mysql -uroot -p[password] < /tmp/dfm/mysql-query/patch_1.0.1.2.sql
```

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