

SAMSUNG ELECTRONICS

# Knox E-FOTA On-Premises

**Guidance for Upgrade to DFM  
1.0.1.10 from DFM 1.0.1.9**

**Version : 1.9**

Last Update : Apr 2025

## Document History

<i><b>What</b></i>	<i><b>Ver.</b></i>	<i><b>When</b></i>
<b>I. Added:</b> Guidance for upgrade to DFM 1.0.1.10 ← There are a couple of items that have changed: 1) changed Docker image files, 2) alter table	<b>Ver1.9</b>	<b>Apr 2025</b>
<b>I. Added:</b> 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	<b>Ver1.8</b>	<b>Dec 2024</b>
<b>I. Added:</b> 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	<b>Ver1.7</b>	<b>June 2024</b>
<b>I. Added:</b> 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	<b>Ver1.6</b>	<b>Oct 2023</b>
<b>I. Added:</b> 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	<b>Ver1.5</b>	<b>Apr 2023</b>
<b>I. Added:</b> Guidance for upgrade to DFM 1.0.1.5 ← There are a couple of items that have changed: 1) changed Docker image files	<b>Ver1.4</b>	<b>Jul 2022</b>
<b>I. Added:</b> 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	<b>Ver1.3</b>	<b>Mar 2022</b>
<b>I. Added:</b> Guidance for upgrade to DFM 1.0.1.3 ← There are a couple of items that have changed: 1) changed Docker image files	<b>Ver1.2</b>	<b>Jan 2022</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 1.0.1.9 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 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 1.0.1.10?

	Category	Summary
1	Docker image	<ul style="list-style-type: none"> <li>- dfm-core image</li> <li>- dfm-console image</li> </ul>
2	Mysql	- Alter table

1. Changed two Docker image files from the previous DFM 1.0.1.10 version:

- dfm-core
- dfm-console

Docker images	DFM 1.0.1.9	DFM 1.0.1.10
dfm-core	repository : dfm-core tag : 1.0.1.9	repository : dfm-core <b>tag : 1.0.1.10</b>
dfm-console	repository : dfm-console tag : 1.0.1.9	repository : dfm-console <b>tag : 1.0.1.10</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/enterprise-server tag : 8.0.36	repository : mysql/enterprise-server 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 v1.0.1.10 DFM Module Package

Here is a command showing how to install the v1.0.1.10 Debian package:

#### 1) check if v1.0.1.10 is installed

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

#### example:

```
$ dpkg -l | grep sec-dfm
ii  sec-dfm  1.0.1.10  all    Samsung Enterprise fota dfm package
$
```

#### 2) install

```
sudo dpkg -i sec-dfm_1.0.1.10.deb
```

#### example:

```
$ sudo dpkg -i sec-dfm_1.0.1.10.deb
(Reading database ... 372179 files and directories currently installed.)
Preparing to unpack sec-dfm_1.0.1.10.deb ...
Unpacking sec-dfm (1.0.1.9) over (1.0.1.10)
...Setting up sec-dfm (1.0.1.10) ...
$

$ dpkg -l | grep sec-dfm
ii  sec-dfm  1.0.1.10  all    Samsung Enterprise fota dfm package
$
```

### 1.4.2. Alter Table

1) Alter table using an SQL script

#### 1) Executing an SQL script

```
docker exec -i dfm-mysql mysql -uroot -p[password] < /tmp/dfm/mysql-query/patch_1.0.1.10.sql
```

### 1.4.3. DFM Core Update

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

- Docker image : dfm-core-1.0.1.10.tar
- repository : dfm-core
- tag : 1.0.1.10

**【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-1.0.1.10.tar
```

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

```
dfm config set core_img_rep=dfm-core  
dfm config set core_img_tag=1.0.1.10
```

**【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
```

### 1.4.4. DFM Admin Console Update

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

- Docker image : dfm-console-1.0.1.10.tar
- repository : dfm-console
- tag : 1.0.1.10

**【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-1.0.1.10.tar
```

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

```
dfm config set console_img_rep=dfm-console  
dfm config set console_img_tag=1.0.1.10
```

**【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) >