

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

<i>What</i>	<i>Ver.</i>	<i>When</i>
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 1.0.1.1 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 tag : 1.0.1.2
dfm-console	repository : dfm-console tag : 1.0.1.1	repository : dfm-console tag : 1.0.1.2
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
```

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