SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

Guidance for Upgrade to DFM 1.0.1.3 from DFM 1.0.1.2

Version : 1.2

Last Update : January 2022

Document History】

What	Ver.	When
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 1.0.1.2 to 1.0.1.3

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.2 to 1.0.1.3**.
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?

- Vulnerabilities in the Log4J library in the Apache web server (CVE-2021-44228, CVE-2021-45046)

1.3. What is changed in version 1.0.1.3?

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

1. Changed two Docker images are “dfm-core” and “dfm-console”.
- changed two Docker image files when compared with the previous DFM 1.0.1.3 version.
  . dfm-core
  . dfm-console

Docker images	DFM 1.0.1.2	DFM 1.0.1.3
dfm-core	repository : dfm-core tag : 1.0.1.2	repository : dfm-core **tag : 1.0.1.3**
dfm-console	repository : dfm-console tag : 1.0.1.2	repository : dfm-console **tag : 1.0.1.3**
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

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 for installation.

1.4.1. Install v1.0.1.3 DFM Module Package

The following is a command to install the v1.0.1.3 debian package:

```
1) check if v1.0.1.2 is installed
dpkg -l | grep sec-dfm
example)
$ dpkg -l | grep sec-dfm
ii    sec-dfm    1.0.1.2      all    Samsung Enterprise fota dfm package
$

2) install
sudo dpkg -i sec-dfm_1.0.1.3.deb

example)
$ sudo dpkg -i sec-dfm_1.0.1.3.deb
(Reading database ... 265246 files and directories currently installed.)
Preparing to unpack sec-dfm_1.0.1.3.deb ...
Unpacking sec-dfm (1.0.1.3) over (1.0.1.2) ...
Setting up sec-dfm (1.0.1.3) ...
$

$ dpkg -l | grep sec-dfm
ii    sec-dfm    1.0.1.3    all    Samsung Enterprise fota dfm package
$
```

1.4.2. DFM Core Update

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

- docker image : dfm-core-1.0.1.3.tar
- repository : dfm-core
- tag : 1.0.1.3

【STEP01】Stop the running core server.

```
dfm terminate dfm-core
```

【STEP02】Load the released docker image.

```
docker load < /tmp/dfm/docker-images/dfm-core-1.0.1.3.tar
```

【STEP03】Change repository and tag's configuration

```
dfm config set core_img_rep=dfm-core
dfm config set core_img_tag=1.0.1.3
```

【STEP04】Confirm the changed repository and tag's configuration

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

【STEP05】Start-up Server

- DFM Core Server

```
dfm start dfm-core
```

【Validation】
To make sure mysql container is in healthy state, it takes some time until state is in healthy.

```
docker ps -a
```

1.4.3. DFM Admin Console Update

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

- docker image : dfm-console-1.0.1.3.tar
- repository : dfm-console
- tag : 1.0.1.3

【STEP01】Stop the running console server

```
dfm terminate dfm-console
```

【STEP02】Load the released docker image.

```
docker load < /tmp/dfm/docker-images/dfm-console-1.0.1.3.tar
```

【STEP03】Change repository and tag's configuration

```
dfm config set console_img_rep=dfm-console
dfm config set console_img_tag=1.0.1.3
```

【STEP04】Confirm the changed repository and tag's configuration

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

【STEP05】Start-up Server

- Admin Console Server

```
dfm start dfm-console
```

【Validation】

To make sure mysql container is in healthy state, it takes some time until state is in healthy.

```
docker ps -a
```

< EOF (End Of File) >