SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

Guidance for Upgrade to DFM 1.0.1.4 from DFM 1.0.1.3

Version : 1.3

Last Update : March 2022

Document History】

What	*Ver.*	*When*
I. Added: 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	**Ver1.3**	**Mar 2022**
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 1.0.1.3 to 1.0.1.4

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.3 to 1.0.1.4**. 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
- New feature: Configurable length of password digits

1.3. What is changed in version 1.0.1.4 ?

	Category	Summary
1	Set up min max password length	- Using DFM Cli
2	Docker image	- dfm-core image - dfm-console image

1. Set up the minimum and maximum length of password digits
2. Changed two Docker image files when compared with the previous DFM 1.0.1.4 version:
   - dfm-core
   - dfm-console

Docker images	DFM 1.0.1.3	DFM 1.0.1.4
dfm-core	repository : dfm-core tag : 1.0.1.3	repository : dfm-core **tag : 1.0.1.4**
dfm-console	repository : dfm-console tag : 1.0.1.3	repository : dfm-console **tag : 1.0.1.4**
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 to install before.

1.4.1. Install v1.0.1.4 DFM Module Package

Here is a command showing how to install the v1.0.1.4 Debian package:

1) check if v1.0.1.3 is installed
dpkg -l | grep sec-dfm

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

2) install
sudo dpkg -i sec-dfm_1.0.1.4.deb

example:
$ sudo dpkg -i sec-dfm_1.0.1.4.deb
(Reading database ... 265246 files and directories currently installed.)
Preparing to unpack sec-dfm_1.0.1.4.deb ...
Unpacking sec-dfm (1.0.1.4) over (1.0.1.3) ...
Setting up sec-dfm (1.0.1.4) ...
$

$ dpkg -l | grep sec-dfm
ii sec-dfm 1.0.1.4 all Samsung Enterprise fota dfm package
$

1.4.2. Configure length of password digits

【STEP 1】Check version DFM CLI.

```
dfm version
version:  1.0.4
```

【STEP 2】Set the minimum length of password (Allowed value of password_min_length: min=8, max=20)

```
Example)
dfm config set password_min_length=8
```

【STEP 3】Set the maximum length of password (Allowed value of password_max_length : min=12, max=30)

```
Example)
dfm config set password_max_length=12
```

【STEP 4】Confirm the minimum and maximum password configuration.

```
dfm config get password_min_length
dfm config get password_max_length
```

1.4.3. DFM Core Update

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

- Docker image : dfm-core-1.0.1.4.tar
- repository : dfm-core
- tag : 1.0.1.4

【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-1.0.1.4.tar
```

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

```
dfm config set core_img_rep=dfm-core
dfm config set core_img_tag=1.0.1.4
```

【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
```

1.4.4. DFM Admin Console Update

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

- docker image : dfm-console-1.0.1.4.tar
- repository : dfm-console
- tag : 1.0.1.4

【**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-1.0.1.4.tar
```

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

```
dfm config set console_img_rep=dfm-console
dfm config set console_img_tag=1.0.1.4
```

【**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
```

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