

SAMSUNG ELECTRONICS

Knox E-FOTA On-Premises

**Guidance for Upgrade to DFM 1.0.1.5
from DFM 1.0.1.4**

Version : 1.2

Last Update : Jul 2022

Document History

<i>What</i>	<i>Ver.</i>	<i>When</i>
I. Added: Guidance for upgrade to DFM 1.0.1.5 ← There are a couple of items that have changed: 1) changed Podman image files	Ver1.2	Jul 2022
I. Added: Guidance for upgrade to DFM 1.0.1.4 ← There are a couple of items that have changed: 1) changed Podman image files, 2), New Feature: Configurable length of password digits	Ver1.1	Mar 2022
I. Added: Guidance for upgrade to DFM 1.0.1.3 ← There are a couple of items that have changed: 1) changed Podman image files	Ver1.0	Jan 2022

[ADDENDUM] : Upgrade from 1.0.1.4 to 1.0.1.5

1.1. Purpose of this document

The purpose of this document is to provide instructions to **upgrade a system with DFM 1.0.1.4 to 1.0.1.5**. If DFM has never been installed on the server, skip this process and follow the new installation process document.

Items		User privilege		Description
		root	rootless	
Selinux mode	Permissive	CASE Red Hat 1	CASE Red Hat3	
	enforcing	CASE Red Hat 2		

Table 1-1 The Red Hat Case

1.2. Why patch DFM Docker images, etc.?

- Updated bug issues

1.3. What is changed in version 1.0.1.5?

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

1. Changed two Docker image files compared to the previous DFM 1.0.1.3 version:

- dfm-core
- dfm-console

Podman images	DFM 1.0.1.4	DFM 1.0.1.5 【CASE Red Hat 1】 【CASE Red Hat 2】	DFM 1.0.1.5 【CASE Red Hat 3】
dfm-core	repository : localhost/dfm-core tag : 1.0.1.4	repository : localhost/dfm-core tag : 1.0.1.5	repository : localhost/dfm-core tag : 1.0.1.5-rootless
dfm-console	repository : localhost/dfm-console tag : 1.0.1.4	repository : localhost/dfm-console tag : 1.0.1.5	repository : localhost/dfm-console tag : 1.0.1.5-rootless
dfm-minio	repository : localhost/minio/minio tag : RELEASE.2020-06-01T17-28-03Z	repository : localhost/minio/minio tag : RELEASE.2020-06-01T17-28-03Z	repository : localhost/minio/minio tag : RELEASE.2020-06-01T17-28-03Z
dfm-mysql	repository : localhost/mysql/enterprise-server tag : 8.0	repository : localhost/mysql/enterprise-server tag : 8.0	repository : localhost/mysql/enterprise-server tag : 8.0
dfm-proxy	repository : localhost/haproxytech/haproxy-debian tag : 2.1.4	repository : localhost/haproxytech/haproxy-debian tag : 2.1.4	repository : localhost/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 v1.0.1.5 DFM Module Package

Here is a command showing how to install the v1.0.1.5 tar compress package:

Items		User privilege	
		root	rootless
Selinux mode	Permissive	CASE Red Hat 1 sec-dfm_1.0.1.5.tar.gz	CASE Red Hat3 sec-dfm_1.0.1.5-rootless.tar.gz
	enforcing	CASE Red Hat 2 sec-dfm_1.0.1.5-root-enforcing.tar.gz	

1) extract package

```
tar -zxvf sec-dfm_1.0.1.5-{package type}.tar.gz -C /tmp
```

example)

```
$ tar -zxvf sec-dfm_1.0.1.5-rootless.tar.gz
/tmp/sec-dfm_1.0.1.5-rootless/
/tmp/sec-dfm_1.0.1.5-rootless/tmp/
....
/tmp/sec-dfm_1.0.1.5-rootless/usr/
/tmp/sec-dfm_1.0.1.5-rootless/usr/bin/
/tmp/sec-dfm_1.0.1.5-rootless/usr/bin/dfm
```

1.4.2. DFM CLI Update

[STEP 1] Copy the DFM CLI.

```
cp /tmp/sec-dfm_1.0.1.5-{package type}/usr/bin/dfm /dfm/bin/
```

Example)

```
cp /tmp/sec-dfm_1.0.1.5-rootless/usr/bin/dfm /dfm/bin
```

[STEP 2] Check the privileges and version of the DFM CLI.

ll /dfm/bin/dfm

```
-rwxr-xr-x. 1 efotadm efotadm 2902624 Mar  2 07:42 dfm
```

dfm version

```
version: 1.0.5 Red Hat Enterprise Linux release 8.4 (Ootpa)
```

1.4.3. DFM Core Update

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

【STEP01】 Stop the running core server

```
dfm terminate dfm-core
```

【STEP02】 Load the released podman image

【CASE Red Hat 1】

```
podman load -i /tmp/sec-dfm_1.0.1.5/tmp/dfm/images/dfm-core_1.0.1.5.tar
```

【CASE Red Hat 2】

```
podman load -i /tmp/sec-dfm_1.0.1.5-root-enforcing/tmp/dfm/images/dfm-core_1.0.1.5.tar
```

【CASE Red Hat 3】

```
podman load -i /tmp/sec-dfm_1.0.1.5-rootless/tmp/dfm/images/dfm-core_1.0.1.5-rootless.tar
```

【STEP03】 Change repository and tag's configuration

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

【CASE Red Hat 1】 【CASE Red Hat 2】

```
dfm config set core_img_tag=1.0.1.5
```

【CASE Red Hat 3】

```
dfm config set core_img_tag=1.0.1.5-rootless
```

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

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

【STEP05】 Start up the server

- DFM Core Server

```
dfm start dfm-core
```

【Validation】

Make sure the DFM Core Server's container is in a healthy state. It may take some time until its state is healthy.

```
podman healthcheck run dfm-core
healthy
```

1.4.4. DFM Admin Console Update

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

【STEP01】 Stop the running console server

```
dfm terminate dfm-console
```

【STEP02】 Load the released docker image**【CASE Red Hat 1】**

```
podman load -i /tmp/sec-dfm_1.0.1.5/tmp/dfm/images/dfm-console_1.0.1.5.tar
```

【CASE Red Hat 2】

```
podman load -i /tmp/sec-dfm_1.0.1.5-root-enforcing/tmp/dfm/images/dfm-console_1.0.1.5.tar
```

【CASE Red Hat 3】

```
podman load -i /tmp/sec-dfm_1.0.1.5-rootless/tmp/dfm/images/dfm-console_1.0.1.5-rootless.tar
```

【STEP03】 Change repository and tag's configuration

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

【CASE Red Hat 1】 【CASE Red Hat 2】

```
dfm config set console_img_tag=1.0.1.5
```

【CASE Red Hat 3】

```
dfm config set console_img_tag=1.0.1.5-rootless
```

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

```
dfm config get console_img_rep
```

```
dfm config get console_img_tag
```

【STEP05】 Start up the server

- Admin Console Server

```
dfm start dfm-console
```

【Validation】

Make sure the mysql container is in a healthy state. It may take some time until its state is healthy.

```
podman healthcheck run dfm-console
```

```
healthy
```

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