HPE

Installation Guide - MDM 10.4 HotFix 2 (PROD)

Project:	HPE EMDM IDQ 10.4.1 Installation in Linux OS hosted in HPE Colo Cloud
Prepared by:	Sachin Jose Varghese
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Date:	07/27/2021

Document Information

The purpose of this guide is to provide basic information about the server, infrastructure, and MDM Installation for Production instance installed in HPE COLO Cloud

Document Edit History

Version	Date	Additions/Modifications	Prepared/Revised by
v0.1	06/28/2020	Created	Sachin Jose Varghese

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1. Introduction

Master data management (**MDM**) is the effort made by an organization to create one single master reference source for all critical business data, leading to fewer errors and less redundancy in business processes**.**

MDM is of particular interest to large organizations, highly data distributed organizations, and those that have frequent or large-scale merger and acqusition activity. Acquiring another company creates wide-reaching data integration challenges that MDM is designed to mitigate. Thus, MDM can accelerate the time-to-value from an acquisition.

MDM also helps companies with segmented product lines, preventing disintegrated customer experiences.

2. Environment Configuration

2.1 System Architecture

The following system architecture is in plan for the project for PROD environment.
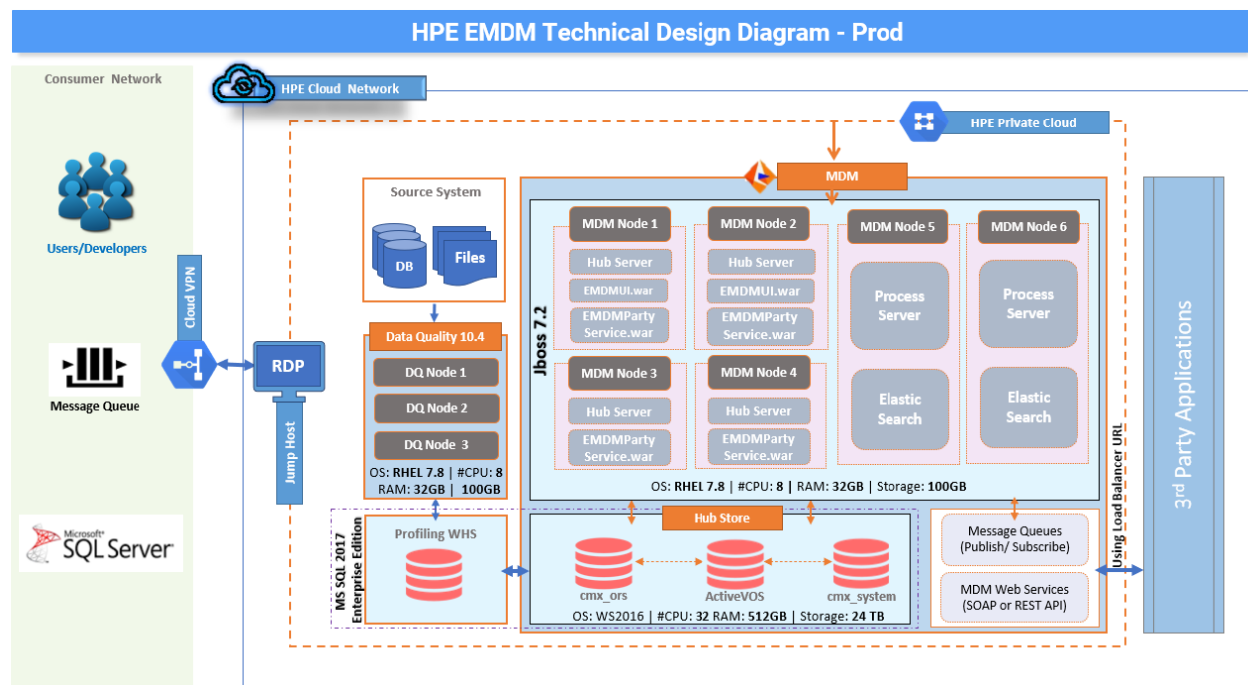
2.2 Environment Configuration

This table depicts the system configuration, IP, and software details of the environment:

- ✓ Elastic Search Version: **elasticsearch-6.2.3**
- ✓ Jboss Version: **jboss-eap-7.2**
- ✓ JDK Version: **Azul Zulu 8**

Application	Server Host Name	IP	Zone
MDM App – 1	p1l00569g.dc01.its.hpecorp.net	16.231.23.203	Chandler cloud zone
MDM App -- 2	p1l00570g.dc01.its.hpecorp.net	16.231.23.204	Chandler cloud zone
MDM App -- 3	p1l00571g.dc01.its.hpecorp.net	16.231.23.205	Chandler cloud zone
MDM App -- 4	p1l00572g.dc01.its.hpecorp.net	16.231.23.206	Chandler cloud zone
MDM Process – 1	p1l00573g.dc01.its.hpecorp.net	16.231.23.207	Chandler cloud zone
MDM Process -- 2	p1l00574g.dc01.its.hpecorp.net	16.231.23.208	Chandler cloud zone
IDQ DB – Virtual Name	sqldb0007prd.americas.hpqcorp.net	10.74.28.64	Chandler cloud zone
RDP -- Main	P1W00212G	16.231.22.189	Chandler cloud zone
RDP – Backup	P1W00211G	16.231.22.188	Chandler cloud zone

3. Create Folder Structure

Make below folder structure in all MDM Servers.
> /opt/jboss/sw_install
> /opt/jboss/java
> /opt/jboss/jboss-eap-7.2/
> /opt/infa/mdm/

```
[infamgr@p1l00569g infa]$ cd /opt/jboss/

[infamgr@p1l00569g jboss]$ ls -ltr

total 340

drwxrwxr-x 13 infamgr infamgr   273 Jan  7  2019 jboss-eap-7.2

drwxrwxr-x  3 infamgr infamgr    51 Jun 22 14:17 java

drwxrwxr-x  7 infamgr infamgr   116 Jul  8 10:07 tmp

drwxrwxr-x  4 infamgr infamgr    37 Jul 26 09:26 zyme

drwxrwxr-x  5 infamgr infamgr    53 Jul 26 09:26 dataloader

drwxrwxr-x  9 infamgr infamgr  4096 Jul 26 09:40 sw_install

drwxrwxrwx  3 infamgr infamgr    80 Jul 26 19:47 stage

[infamgr@p1l00569g jboss]$ cd /opt/infa/

[infamgr@p1l00569g infa]$ ls -tlr

total 0

drwxrwxr-x 5 infamgr infamgr  47 Jul 21 13:50 mdm

drwxrwxrwx 2 infamgr infamgr 110 Jul 22 16:56 certs

[infamgr@p1l00569g infa]$
```
```
[infamgr@p1l00570g ~]$ cd /opt/infa/

[infamgr@p1l00570g infa]$ ls -tlr

total 0

drwxrwxr-x 5 infamgr infamgr 47 Jul 21 13:54 mdm

[infamgr@p1l00570g infa]$ cd /opt/jboss/

[infamgr@p1l00570g jboss]$ ls -tlr

total 808

drwxrwxr-x 13 infamgr infamgr   273 Jan  7  2019 jboss-eap-7.2

drwxrwxr-x  3 infamgr infamgr    51 Jun 22 14:18 java

drwxr-x---  3 infamgr infamgr    30 Jul  7 11:14 tmp
```

```
drwxrwxr-x  5 infamgr infamgr   4096 Jul 16 11:32 sw_install

drwxr-x---  4 infamgr infamgr     37 Jul 26 09:28 zyme

drwxr-x---  5 infamgr infamgr     53 Jul 26 09:28 dataloader

[infamgr@p1l00570g jboss]$
```

```
[infamgr@p1l00571g ~]$ cd /opt/infa/

[infamgr@p1l00571g infa]$ ls -tlr

total 0

drwxrwxr-x 5 infamgr infamgr 47 Jul 21 13:55 mdm

[infamgr@p1l00571g infa]$ cd /opt/jboss/

[infamgr@p1l00571g jboss]$ ls -ltr

total 808

drwxrwxr-x 13 infamgr infamgr    273 Jan  7  2019 jboss-eap-7.2

drwxrwxr-x  3 infamgr infamgr     51 Jun 22 14:20 java

drwxrwxr-x  4 infamgr infamgr     49 Jul 15 15:12 tmp

drwxrwxr-x  5 infamgr infamgr   4096 Jul 16 11:30 sw_install

drwxr-x---  4 infamgr infamgr     37 Jul 26 09:30 zyme

drwxr-x---  5 infamgr infamgr     53 Jul 26 09:30 dataloader

[infamgr@p1l00571g jboss]$
```

```
[infamgr@p1l00572g ~]$ cd /opt/infa/

[infamgr@p1l00572g infa]$ ls -ltr

total 0

drwxrwxr-x 5 infamgr infamgr 47 Jul 21 14:01 mdm

[infamgr@p1l00572g infa]$ cd /opt/jboss/

[infamgr@p1l00572g jboss]$ ls -ltr

total 808

drwxrwxr-x 13 infamgr infamgr    273 Jan  7  2019 jboss-eap-7.2

drwxrwxr-x  3 infamgr infamgr     51 Jun 22 14:21 java

drwxr-x---  2 infamgr infamgr      6 Jul  8 12:49 tmp

drwxrwxrwx  5 infamgr infamgr   4096 Jul 16 11:27 sw_install

drwxr-x---  4 infamgr infamgr     37 Jul 26 09:32 zyme

drwxr-x---  5 infamgr infamgr     53 Jul 26 09:32 dataloader

[infamgr@p1l00572g jboss]$
```

```
[infamgr@p1l00573g ~]$ cd /opt/infa/

[infamgr@p1l00573g infa]$ ls -tlr

total 0

drwxrwxr-x 8 infamgr infamgr 143 Mar 13  2018 elasticsearch-6.2.3

drwxrwxr-x 4 infamgr infamgr  35 Jul 21 14:49 mdm

[infamgr@p1l00573g infa]$ cd /opt/jboss/

[infamgr@p1l00573g jboss]$ ls -tlr

total 4

drwxrwxr-x 13 infamgr infamgr  273 Jan  7  2019 jboss-eap-7.2
```

```
drwxrwxr-x  3 infamgr infamgr   51 Jun 22 14:22 java

drwxrwxrwx  5 infamgr infamgr 4096 Jul 19 12:28 sw_install

[infamgr@p1l00573g jboss]$
```

```
[infamgr@p1l00574g ~]$ cd /opt/infa/

[infamgr@p1l00574g infa]$ ls -tlr

total 0

drwxrwxr-x 8 infamgr infamgr 143 Mar 13  2018 elasticsearch-6.2.3

drwxrwxr-x 4 infamgr infamgr  35 Jul 21 14:45 mdm

[infamgr@p1l00574g infa]$ cd /opt/jboss/

[infamgr@p1l00574g jboss]$ ls -ltr

total 4

drwxrwxr-x 13 infamgr infamgr  273 Jan  7  2019 jboss-eap-7.2

drwxrwxr-x  3 infamgr infamgr   51 Jun 22 14:12 java

drwxr-x---  5 infamgr infamgr 4096 Jul  9 11:42 sw_install

[infamgr@p1l00574g jboss]$
```

4. Update Ulimit

/etc/security/limits.conf -- make changes to the ulimit in this file as per below values in both the Nodes.

infamgr soft nofile 65536
infamgr hard nofile 65536
infamgr soft nproc 20480
infamgr hard nproc 20480
infamgr soft stack 10240
infamgr hard stack 10240
infamgr soft memlock unlimited
infamgr hard memlock unlimited

and run sysctl -w vm.max_map_count=262144 as root user

5. Setup Java in MDM Server

5.1 Download JDK to ES node
Unzip the AZUL_ZULU_JDK.zip jdk.

5.2 Extract the jdk-8u231-linux-x64.tar.gz file

Extract the tar file and copy the extracted folder to the /opt/java/ directory.

5.3 Set JAVA_HOME environment Variable in .bash_profile in the MDM node

```
[infamgr@p1l00569g infa]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00569g infa]$
```

```
[infamgr@p1l00570g jboss]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00570g jboss]$
```

```
[infamgr@p1l00571g jboss]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00571g jboss]$
```

```
[infamgr@p1l00572g jboss]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00572g jboss]$
```

```
[infamgr@p1l00573g jboss]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00573g jboss]$
```

```
[infamgr@p1l00574g jboss]$ echo $JAVA_HOME

/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

[infamgr@p1l00574g jboss]$
```

6. Setup Jboss

6.1. Copy Jboss to MDM Server

The JBOSS Server binaries are copied to the /opt/jboss/sw_install directory

6.2. Extract Jboss and set environment variable

Extract JBOSS to the /opt/jboss/jboss-eap-7.2 directory and set the JAVA_HOME directory

6.3. Create Jboss users

- Create Jboss Management user for Jboss user in Node1 Go to the path **/app/jboss/jboss-eap-7.2/bin** and run the script add-user.sh as shown below.

jbossadmin	jboss@dmin99#

- Create Jboss Application User for ActiveVOS user. Similarly create another user for ActiveVOS as shown below.

avadmin	avos@dmin99#	abAdmin,abTrust,abServiceConsumer,abTaskClient

```
[infamgr@p1l00569g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): a

Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : jbossadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
```

```
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
About to add user 'jbossadmin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="amJvc3NAZG1pbjk5Iw==" />
[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): b

Enter the details of the new user to add.
Using realm 'ApplicationRealm' as discovered from the existing property files.
Username : avadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
[infamgr@p1l00569g infa]$
```

```
[infamgr@p1l00570g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): a
```

```
Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : jbossadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
About to add user 'jbossadmin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="amJvc3NAZG1pbjk5Iw==" />
[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): b

Enter the details of the new user to add.
Using realm 'ApplicationRealm' as discovered from the existing property files.
Username : avadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
```

```
[infamgr@p1l00570g infa]$
[infamgr@p1l00571g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): a

Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : jbossadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
About to add user 'jbossadmin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="amJvc3NAZG1pbXjk5Iw==" />
[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): b

Enter the details of the new user to add.
Using realm 'ApplicationRealm' as discovered from the existing property files.
Username : avadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
```

```
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
[infamgr@p1l00571g infa]$
```

```
[infamgr@p1l00572g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
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Using realm 'ManagementRealm' as discovered from the existing property files.
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Password recommendations are listed below. To modify these restrictions edit the add-
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 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
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non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
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Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
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[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
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administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
```

```
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
[infamgr@p1l00572g infa]$
```

```
[infamgr@p1l00573g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): a

Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : jbossadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
About to add user 'jbossadmin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="amJvc3NAZG1pbjk5Iw==" />
[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): b

Enter the details of the new user to add.
Using realm 'ApplicationRealm' as discovered from the existing property files.
Username : avadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
```

```
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
[infamgr@p1l00573g infa]$
```

```
[infamgr@p1l00574g infa]$./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): a

Enter the details of the new user to add.
Using realm 'ManagementRealm' as discovered from the existing property files.
Username : jbossadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]:
About to add user 'jbossadmin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/mgmt-
users.properties'
Added user 'jbossadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/mgmt-
users.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/standalone/configuration/mgmt-groups.properties'
Added user 'jbossadmin' with groups  to file '/opt/jboss/jboss-eap-
7.2/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="amJvc3NhZG1pbjk5Iw==" />
[infamgr@i2lg0583 ~]$ ./add-user.sh

What type of user do you wish to add?
 a) Management User (mgmt-users.properties)
 b) Application User (application-users.properties)
(a): b
```

```
Enter the details of the new user to add.
Using realm 'ApplicationRealm' as discovered from the existing property files.
Username : avadmin
Password recommendations are listed below. To modify these restrictions edit the add-
user.properties configuration file.
 - The password should be different from the username
 - The password should not be one of the following restricted values {root, admin,
administrator}
 - The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1
non-alphanumeric symbol(s)
Password :
Re-enter Password :
What groups do you want this user to belong to? (Please enter a comma separated list, or leave
blank for none)[  ]: abAdmin,abTrust,abServiceConsumer,abTaskClient
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no?
About to add user 'avadmin' for realm 'ApplicationRealm'
Is this correct yes/no? yes
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/standalone/configuration/application-
users.properties'
Added user 'avadmin' to file '/opt/jboss/jboss-eap-7.2/domain/configuration/application-
users.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/standalone/configuration/application-roles.properties'
Added user 'avadmin' with groups abAdmin,abTrust,abServiceConsumer,abTaskClient to file
'/opt/jboss/jboss-eap-7.2/domain/configuration/application-roles.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for
server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret
value="YXZvc0BkbWluOTkj" />
[infamgr@p1l00574g infa]$
```

6.4. Configure Jboss Application Server

- **Update standalone.conf**

Go to path: /app/jboss/jboss-eap-7.2/bin and take a backup of standalone.conf and do the following
changes in both MDM Servers and both MDM Process Servers

Keep the below piece of code in **standalone.conf**

```
if [ "x$JAVA_OPTS" = "x" ]; then
   #JAVA_OPTS="-Xms1303m -Xmx1303m -XX:MetaspaceSize=96M -XX:MaxMetaspaceSize=256m -
Djava.net.preferIPv4Stack=true"
   JAVA_OPTS="-Xms2048m -Xmx6144m -XX:MetaspaceSize=96M -XX:MaxMetaspaceSize=2048m -
Djava.net.preferIPv4Stack=true"
   JAVA_OPTS="$JAVA_OPTS -Djboss.modules.system.pkgs=$JBOSS_MODULES_SYSTEM_PKGS -
Djava.awt.headless=true"
else
   echo "JAVA_OPTS already set in environment; overriding default settings with values:
$JAVA_OPTS"
fi


###Begin Informatica recommended java options
#### Blocking Timeout
JAVA_OPTS="$JAVA_OPTS -Djboss.as.management.blocking.timeout=5000"
#
#### For IDD screens based on E360
JAVA_OPTS="$JAVA_OPTS -De360.connection.channel=HTTP"
JAVA_OPTS="$JAVA_OPTS -De360.mdm.host= p1l00569g.dc01.its.hpecorp.net"
JAVA_OPTS="$JAVA_OPTS -De360.mdm.port=8180"
#
#JAVA_OPTS="-DFrameworksLogConfigurationPath=/opt/log4j.xml"
```

```
#
#### For IDD with Subject Areas
JAVA_OPTS="$JAVA_OPTS -Didd.protocol=HTTP"
JAVA_OPTS="$JAVA_OPTS -Didd.mdm.host= p1l00569g.dc01.its.hpecorp.net"
JAVA_OPTS="$JAVA_OPTS -Didd.mdm.port=8180"
#
#### To use Informatica Data Director and use REST APIs to search for records
JAVA_OPTS="$JAVA_OPTS -Dfile.encoding=UTF-8"
JAVA_OPTS="$JAVA_OPTS -Dorg.apache.catalina.connector.URI_ENCODING=UTF-8"
#
###search must return records that contain search values in the same child node
JAVA_OPTS="$JAVA_OPTS -DUseESLegacyFqSearch=false"
#
#### For setting max size of HTTP headers
JAVA_OPTS="$JAVA_OPTS -Dorg.apache.coyote.http11.Http11Protocol.MAX_HEADER_SIZE=16384"
#
#### Specifies the maximum number of ActiveVOS tasks that are retrieved for each request
JAVA_OPTS="$JAVA_OPTS -Dtask.pageSize=5500"
#
#### Specifies whether the JVM disposes of compiled code when the code cache is full
JAVA_OPTS="$JAVA_OPTS -XX:+UseCodeCacheFlushing"
#
###Specifies whether web browsers must convert all attempts to access Data Director using the
HTTP requests to the HTTPS requests instead
JAVA_OPTS="$JAVA_OPTS -Dstricttransportsecurity.flag=true"

####JIT code cache size. To enhance the performance of the MDM Hub environment
JAVA_OPTS="$JAVA_OPTS -XX:ReservedCodeCacheSize=512m"
```

Go to */app/jboss/jboss-eap-7.1/standalone/configuration/standalone-full.xml* and take a backup. Also make below changes in MDM Server and MDM Process Server

```
[infamgr@p1l00569g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}
```

```
[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00569g infa]$
```
```
[infamgr@p1l00570g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}

[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00570g infa]$
```
```
[infamgr@p1l00571g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
```

```
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}

[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00571g infa]$
```

```
[infamgr@p1l00572g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}

[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00572g infa]$
```

```
[infamgr@p1l00573g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
```

```
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}

[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00573g infa]$
```

```
[infamgr@p1l00574g infa]$ ./jboss-cli.sh --connect
[standalone@localhost:9990 /] /subsystem=transactions:write-attribute(name=default-
timeout,value=3600)
{"outcome" => "success"}

[standalone@localhost:9990 /] /socket-binding-group=standard-sockets/socket-
binding=remoting:add(port=4447)
{"outcome" => "success"}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/https-
listener=https/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=undertow/server=default-server/http-
listener=default/:write-attribute(name=max-post-size,value=20000000)
{
    "outcome" => "success",
    "response-headers" => {
        "operation-requires-reload" => true,
        "process-state" => "reload-required"
    }
}

[standalone@localhost:9990 /] /subsystem=remoting/connector=remoting-connector:add(socket-
binding=remoting)
{
    "outcome" => "success",
    "response-headers" => {"process-state" => "reload-required"}
}

[standalone@localhost:9990 /] reload
[standalone@localhost:9990 /] exit
[infamgr@p1l00574g infa]$
```

Step 1: Update socket binding to public

Step 2: Start Jboss Application Server

Go to **/app/jboss/jboss-eap-7.2/bin** and run below command to start the Jboss server.

nohup ./standalone.sh -c standalone-full.xml -b 0.0.0.0 &

Step 3:

use command line to update by running below commands. [/app/jboss/jboss-eap-7.2/bin/jboss-cli.sh]

/socket-binding-group=standard-sockets/socket-binding=remoting:add(port=4447)
/subsystem=remoting/connector=remoting-connector:add(socket-binding=remoting)

Check the below URL to verify Jboss is up and running in both MDM Nodes

7. Hub Store Instalation

Unzip the Database.zip files in windown server where MS SQL Databse is installed. Pleae keep below details before you start the installation.

DB Host: sqldb0007prd.americas.hpqcorp.net
Port: 1190
Username: samdm
Password: xoE5XB4j0FGB

7.1. Update Master Database

To update the Master Database, run the installer. **./sip_ant updatemasterdatabase** and enter the below values when prompted.

For upgrade of ORS schema	
Field	**Value**
Database Type	MSSQL
ORS Host Name	sqldb0007prd.americas.hpqcorp.net
ORS Schema Port	1190
Database host name	sqldb0007prd.americas.hpqcorp.net
Enter master database name	cmx_system
Enter master username	cmx_system
Enter master database user password	cmx_system@PRODPWD1
Enter cmx_system database path (C:\MSSQLDATA)	G:\Data1\SQLData\
Enter cmx_system database collation name	SQL_Latin1_General_CP1_CI_AS
Enter Location Name	en_US
Enter the DBA user name [sa]	samdm
Enter the DBA password	xoE5XB4j0FGB

```
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin>sip_ant updatemasterdatabase
-----------------------------------------------------------------
Current folder : D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\
Current script : sip_ant.bat
Parameters : updatemasterdatabase
Sipeian Home : D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\
Java Home : C:\Program Files\Java\jdk1.8.0_281
Classpath : D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\hashing\bcprov-
jdk15on-
1.54.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ant.jar;D:\Informatica
_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\xml-
apis.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ojdbc7.jar;D:\Informat
ica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\xercesImpl.jar;D:\Informatica_MDM_10.4_HF2
_DATABASE_FILES\database\bin\..\\lib\log4j-
1.2.16.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\siperian-
common.jar;C:\Program Files\Java\jdk1.8.0_281\lib\rt.jar;C:\Program
Files\Java\jdk1.8.0_281\lib\i18n.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..
\\lib\ant-apache-log4j.jar;
-----------------------------------------------------------------

D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin>"C:\Program
Files\Java\jdk1.8.0_281\bin\java"  -classpath
"D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\hashing\bcprov-jdk15on-
1.54.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ant.jar;D:\Informatica
_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\xml-
apis.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ojdbc7.jar;D:\Informat
ica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\xercesImpl.jar;D:\Informatica_MDM_10.4_HF2
_DATABASE_FILES\database\bin\..\\lib\log4j-
1.2.16.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\siperian-
common.jar;C:\Program Files\Java\jdk1.8.0_281\lib\rt.jar;C:\Program
Files\Java\jdk1.8.0_281\lib\i18n.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..
\\lib\ant-apache-
log4j.jar;;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ant-
launcher.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\commons-validator-
1.4.0.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\ojdbc7.jar;D:\Informa
tica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\mssql-jdbc-
7.2.2.jre8.jar;D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\db2jcc.jar;D:\In
formatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\..\\lib\db2jcc_license_cu.jar"
org.apache.tools.ant.Main updatemasterdatabase
Buildfile: D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\build.xml
     [echo] sip.home = D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database

extract_target_build_number:
     [echo] extracting build number...
    [unzip] Expanding:
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\lib\ProductVersion.jar into
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin
   [delete] Deleting directory
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin\resources
     [echo] Target build number is 10.4.2.0.0.0.10684905

defenvironment:
     [echo] Define the target database type
[propertyprompt] Enter database type (ORACLE,MSSQL,DB2) [] :
MSSQL

updatemasterdatabase:
     [echo]
     [echo] ==========================================================
     [echo] UPDATEMASTERDATABASE  start: 2021 July 06 18:02:52

db.info:
[propertyprompt] Enter the DB hostname. [localhost] :
sqldb0007prd.americas.hpqcorp.net
[propertyprompt] Enter the DB port number. [1433] :
1190
[localizeEcho] MDM master database name: "cmx_system"

updatemasterdatabase:
```

```
[propertyprompt] Enter Master user/database name [cmx_system] :

[propertyprompt] Enter Master user password [] :

[startdatabaseupgrade] connection is successful with
jdbc:sqlserver://sqldb0007prd.americas.hpqcorp.net:1190
[startdatabaseupgrade] select TABLE_NAME from INFORMATION_SCHEMA.TABLES  where TABLE_NAME =
'C_REPOS_DB_VERSION'
[startdatabaseupgrade] Version table c_repos_db_version exists.
[startdatabaseupgrade] select TABLE_NAME from INFORMATION_SCHEMA.TABLES  where TABLE_NAME =
'C_REPOS_DB_VERSION'
[startdatabaseupgrade] select internal_version_no, release_name,
install_status_str,  start_date, end_date from c_repos_db_version
[startdatabaseupgrade] compatibility check: version - 10.4 HF2 / 10.4.2.0.0.0.10684905
[startdatabaseupgrade] SELECT INTERNAL_VERSION_NO FROM C_REPOS_DB_VERSION WHERE
INTERNAL_VERSION_NO='10.4.2.0.0.0.10684905'
[startdatabaseupgrade] Inserting '10.4 HF2' in c_repos_db_version
[startdatabaseupgrade] INSERT INTO C_REPOS_DB_VERSION (INTERNAL_VERSION_NO,
RELEASE_NAME,  START_DATE, END_DATE, INSTALL_STATUS_STR)  VALUES ('10.4.2.0.0.0.10684905',
'10.4 HF2', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, 'installing')

stop_if_versionApplied:
[RunSQLCMD] ------------------------------------------------------------------
[RunSQLCMD] Script Directory :
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\resources\Database\mssql
[RunSQLCMD] ------------------------------------------------------------------
[RunSQLCMD]  Server : sqldb0007prd.americas.hpqcorp.net
[RunSQLCMD]  Port : 1190
```

```
[enddatabaseupgrade]
[enddatabaseupgrade] DELETE FROM C_REPOS_DB_CHANGE WHERE DB_CHANGE_SCRIPT_NAME = 'SR2R_GET_KEY'
[enddatabaseupgrade] INSERT INTO C_REPOS_DB_CHANGE (DB_CHANGE_SCRIPT_NAME, CREATE_DATE,
SCRIPT_TYPE_STR, APPLIED_DATE, STATUS_STR, INTERNAL_VERSION_NO) VALUES ('SR2R_GET_KEY',
CURRENT_TIMESTAMP, 'OBJ', CURRENT_TIMESTAMP, 'OK', '10.4.2.0.0.0.10684905')
[enddatabaseupgrade]
[enddatabaseupgrade] UPDATE C_REPOS_DB_VERSION SET INSTALL_STATUS_STR = 'installed', END_DATE =
CURRENT_TIMESTAMP WHERE INTERNAL_VERSION_NO = '10.4.2.0.0.0.10684905'
[enddatabaseupgrade] UPDATE C_REPOS_DB_VERSION SET INSTALL_STATUS_STR = 'verified', END_DATE =
CURRENT_TIMESTAMP WHERE INTERNAL_VERSION_NO = '10.4.2.0.0.0.10684905'
     [echo] UPDATEMASTERDATABASE  end: 2021 July 06 18:03:47

BUILD SUCCESSFUL
Total time: 2 minutes 56 seconds
SCRIPT FINISHED
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin>
```

7.2. Update ORS Database

To update the ORS Database, run the installer. **./sip_ant.sh updateorsdatabase** and enter the below values
when prompted

For upgrade of ORS schema	
Field	**Value**
Database Type	MSSQL
Enter the Operational Reference Store schema host name [localhost]	sqldb0007prd.americas.hpqcorp.net
Enter the Operational Reference Store schema name [cmx_ors]	**cmx_ors**
Enter CMX_ORS database path ["C:\MSSQLDATA"]	SQL_Latin1_General_CP1_CI_AS

Enter CMX_ORS database collation name (Latin1_General_CI_AS)	G:\Data1\SQLData\
Enter the Operational Reference Store database user name [cmx_ors]	cmx_ors
Enter the Operational Reference Store database user password	cmx_ors@pwd1
Enter locale name from the list: de, en_US, fr, ja, ko, zh_CN. [en_US]	en_US
Enter the DBA user name [sa]	samdm
Enter the DBA password	xoE5XB4j0FGBs

```
[enddatabaseupgrade] DELETE FROM C_REPOS_DB_CHANGE WHERE DB_CHANGE_SCRIPT_NAME =
'DB_CHANGE_START'
[enddatabaseupgrade] INSERT INTO C_REPOS_DB_CHANGE (DB_CHANGE_SCRIPT_NAME, CREATE_DATE,
SCRIPT_TYPE_STR, APPLIED_DATE, STATUS_STR, INTERNAL_VERSION_NO) VALUES ('DB_CHANGE_START',
CURRENT_TIMESTAMP, 'OBJ', CURRENT_TIMESTAMP, 'OK', '10.4.2.0.0.0.10684905')
[enddatabaseupgrade]
[enddatabaseupgrade] DELETE FROM C_REPOS_DB_CHANGE WHERE DB_CHANGE_SCRIPT_NAME = 'GENERATE_KEY'
[enddatabaseupgrade] INSERT INTO C_REPOS_DB_CHANGE (DB_CHANGE_SCRIPT_NAME, CREATE_DATE,
SCRIPT_TYPE_STR, APPLIED_DATE, STATUS_STR, INTERNAL_VERSION_NO) VALUES ('GENERATE_KEY',
CURRENT_TIMESTAMP, 'OBJ', CURRENT_TIMESTAMP, 'OK', '10.4.2.0.0.0.10684905')
[enddatabaseupgrade]
[enddatabaseupgrade] DELETE FROM C_REPOS_DB_CHANGE WHERE DB_CHANGE_SCRIPT_NAME = 'SR2R_GET_KEY'
[enddatabaseupgrade] INSERT INTO C_REPOS_DB_CHANGE (DB_CHANGE_SCRIPT_NAME, CREATE_DATE,
SCRIPT_TYPE_STR, APPLIED_DATE, STATUS_STR, INTERNAL_VERSION_NO) VALUES ('SR2R_GET_KEY',
CURRENT_TIMESTAMP, 'OBJ', CURRENT_TIMESTAMP, 'OK', '10.4.2.0.0.0.10684905')
[enddatabaseupgrade]
[enddatabaseupgrade] UPDATE C_REPOS_DB_VERSION SET INSTALL_STATUS_STR = 'installed', END_DATE =
CURRENT_TIMESTAMP WHERE INTERNAL_VERSION_NO = '10.4.2.0.0.0.10684905'
[enddatabaseupgrade] UPDATE C_REPOS_DB_VERSION SET INSTALL_STATUS_STR = 'verified', END_DATE =
CURRENT_TIMESTAMP WHERE INTERNAL_VERSION_NO = '10.4.2.0.0.0.10684905'
     [echo] UPDATEORSDATABASE  end: 2021 July 06 14:18:11


BUILD SUCCESSFUL
Total time: 4 minutes 18 seconds
SCRIPT FINISHED
D:\Informatica_MDM_10.4_HF2_DATABASE_FILES\database\bin>
```
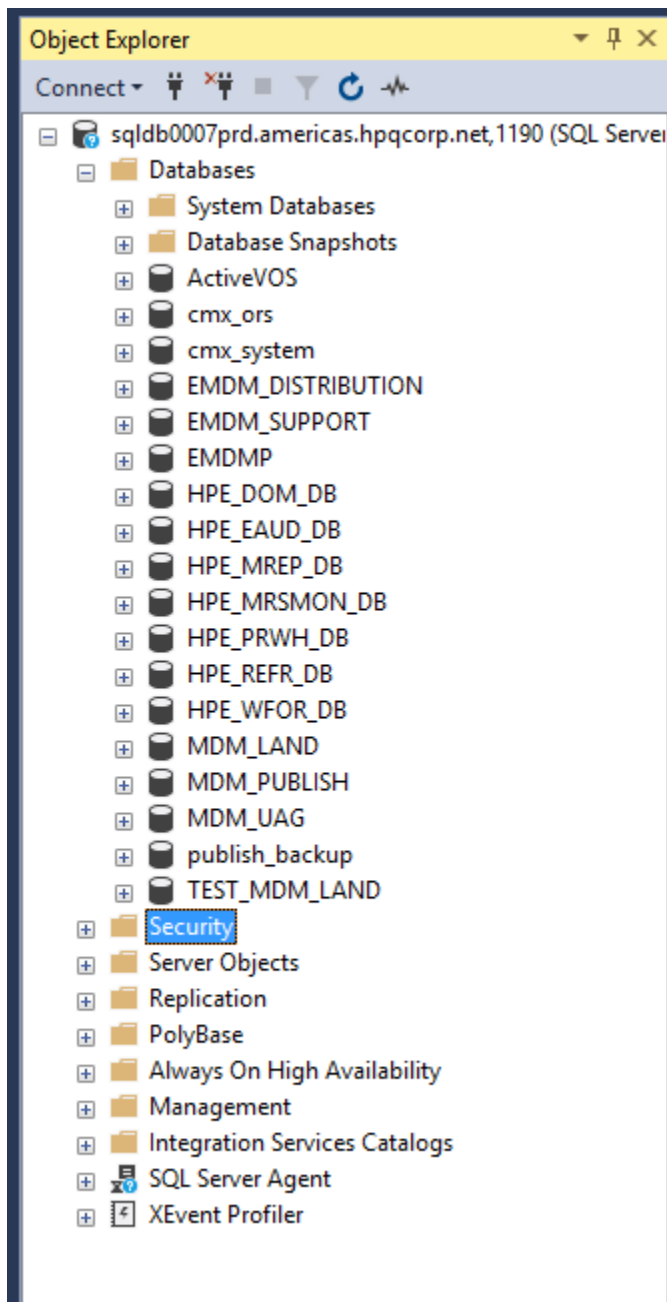
8. Hub Server Installation

8.1. Install Hub on Server 1

Go to */opt/infa/sw_install/linux/mrmserver/* and run the below script. **./hub_install.bin -i console** and enter the below values when prompted.

Field	Value
Installation directory	/opt/infa/mdm/hub/server
Link Location	/opt/infa/mdm/hub/server
Absolute path of the license file	/opt/infa/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Advanced Security	Default
Customer Hash Key	Null
Console Hostname	p1l00569g.dc01.its.hpecorp.net
Console Application Server Port Number	8180
Application Server	jboss
JBOSS Installation directory	/opt/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	Default <4447>
Management Native Port	Default <9990>
Type of Database	MSSQL
Server Host	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Database Name	CMX_SYSTEM
DBO User Name	cmx_system
Enter DBO Password	cmx_system@PRODPWD1
Customisation of URL	default
Install Informatica ActiveVOS	yes
ActiveVOS Server Installation Directory	/opt/infa/mdm/avos/server
Server	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Active VOS Schema Name	avos
Active VOS Schema Password	avos@pwd1
Web Services URL	**http://p1l00569g.dc01.its.hpecorp.net:8180**
ActiveVOS Server Installer File	/opt/jboss/sw_install/ActiveVOS/ActiveVOS_Server_Unix_9.2.4.6.sh

Field	Value
ActiveVOS Administrator Console User Name	avadmin
ActiveVOS Administrator Console User Password	avos@dmin99#
Install Informatica Platform?	no
Industry	30
Environment	PRODUCTION
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Password	Null
Deploy Hub Server?	Yes

- **Navigate to /opt/jboss/sw_install/linux/mrmserver & execute ./hub_install.bin -i console**

- **Choose the Locale as English and press 'Enter' twice**

- **Accept the License Agreement**

- **Select '/opt/infa/mdm/hub/server' as the path for Hub Server installation and choose the default link location**

- **Choose '/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license' as the location of the license file**

- **Choose the default Security configuration and enter no Customer Hash key**

- **Provide hostname of local server, enter 8180 as web port and choose JBOSS as web server**

- **Provide JBOSS installation directory, choose config name as 'standalone' and accept the default ports**

- **Choose Microsoft SQL Server as DB type and Enter the Database Information Details**

- **Enter the prompts as per table to install AVOS**

- **Choose not to install Informatica Platform & select 25 as Industry type while keeping the Environment type as Production**

- **Review the config and hit enter to kickstart the Installation**

```
[infamgr@p1l00569g mrmserver]$ ./hub_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

===============================================================================
Choose Locale...
----------------

    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- ???????
    7- ???
    8- ???
    9- ????
   10- ???

Choose a locale by number: 2
===============================================================================
Informatica Multidomain MDM Hub Server(created with InstallAnywhere)
-------------------------------------------------------------------------------

Preparing CONSOLE Mode Installation...




===============================================================================
Welcome
-------

The installation wizard walks you through installing the Hub Server for
Informatica Multidomain MDM.

.

Close all programs before you install the Hub Server. When you are ready,
click Next.

PRESS <ENTER> TO CONTINUE:



===============================================================================
Review the license agreement
----------------------------

To continue the installation, read and accept the license agreement.

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THIS FEATURE AT ANY TIME AS MORE FULLY DESCRIBED IN THE DOCUMENTATION.
After you install Informatica MDM, you can opt-out of data usage collection by
editing mdmsupport.properties file in the support directory within the
installation folder

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```

```
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===============================================================================
Select an installation directory
--------------------------------


.
 Informatica Multidomain MDM Hub Server.

Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/server

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : /opt/infa/mdm/hub/server

INSTALL FOLDER IS: /opt/infa/mdm/hub/server
   IS THIS CORRECT? (Y/N): y




===============================================================================
Version Warning Message
-----------------------

SIP-01503: The installation directory is either not empty or has an earlier
incomplete or corrupted installation. If you continue, the contents of this
directory will be overwritten.  Choose "OK" to continue. Choose "Cancel" to
select another directory.

  ->1- OK
    2- Cancel

ENTER THE NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE
   DEFAULT: 1




===============================================================================
Choose Link Location
--------------------

Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/server
    2- In your home folder
    3- Choose another location...

    4- Don't create links

ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : 1




===============================================================================
Enter the location of the license file.
---------------------------------------

Enter the fully qualified path to the Multidomain MDM license file.
```

```
The file will be copied to the following directory:
/opt/infa/mdm/hub/server\\license.

License File Absolute Path: (Default: //siperian.license): /opt/jboss/sw_install/Hewlett-
Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license




===============================================================================
Advanced Security
-----------------

Select advanced security configuration.

   ->1- Default
     2- Custom

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Configure security
------------------

Customer Hash Key (optional):

=Customer Hash Key: :




===============================================================================
Console Application Server Name
-------------------------------

You can change the name for the console for the application server here.

Console.Hostname : p1l00569g.dc01.its.hpecorp.net




===============================================================================
Console Application Server Port Number
--------------------------------------

You can change the name for the console for the application server port number
here.

Console.Webport : 8180




===============================================================================
Select the application server
-----------------------------

Select the application server that you installed and configured for use with
Informatica Multidomain MDM Hub Server.

   ->1- JBoss
     2- WebSphere
     3- Oracle WebLogic
```

```
ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Jboss Select the installation directory
---------------------------------------

JBoss Installation Directory: (Example: /jboss)

Path (Default: /): /opt/jboss/jboss-eap-7.2




================================================================================
Jboss Specify a configuration name
-----------------------------------

Use the default configuration name unless you are advised to change it by
Informatica Global Customer Support. The Hub Server is deployed to the
specified configuration.

Configuration Name: (Default: standalone):




================================================================================
Jboss Set ports
---------------

Set the ports that are used by the JBoss Server.

Remote Port (Default: 4447):

Managenet Native Port (Default: 9990):




================================================================================
Select the database management system
-------------------------------------

Select the database management system that you installed and configured for
use with Informatica Multidomain MDM Hub Server.

  ->1- Oracle Database
    2- Microsoft SQL Server
    3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




================================================================================
MSSQL Server Database Information
---------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica MDM Hub Server uses this datasource to connect to the Informatica
MDM Hub System Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net
```

```
Port (Default: 1433): 1190

Database Name (Default: cmx_system):

DBO Username : cmx_system




===============================================================================
Enter DBO Password
------------------

This installation requires a password to continue.

Enter DBO Password:




===============================================================================
Install Informatica ActiveVOS?
------------------------------

Do you want to install ActiveVOS?

  ->1- Yes
    2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Select an ActiveVOS Server installation directory:
--------------------------------------------------

Select an empty directory where you want to install ActiveVOS Server.

Installtion folder absolute path (Default:
   /home/infamgr/infamdm/avos/server): /opt/infa/mdm/avos/server




===============================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: avos): ActiveVOS

DBO Username (Default: avos): ActiveVOS




===============================================================================
Enter the DBO password
----------------------

This installation requires a password to continue.
```

```
Enter the DBO password:




================================================================================
Application Server Web URL
--------------------------

Provide the Application Server Web URL that is used to call Informatica
ActiveVOS and Informatica MDM web services

Application Server Web URL (Default: http://localhost:8080):
http://p1l00569g.dc01.its.hpecorp.net:8180




================================================================================
ActiveVOS Installer
-------------------

Select the path for ActiveVOS installer.

Installer path (Default:
   /opt/jboss/sw_install/linux/mrmserver/ActiveVOS_Server_unix_9.2.4.6.sh):
/opt/jboss/sw_install/ActiveVOS_Server_Unix_9.2.4.6.sh




================================================================================
ActiveVOS Enter console credentials
-----------------------------------


ActiveVOS Administrator Console User Name: : avadmin




================================================================================
ActiveVOS Enter the console user credentials
--------------------------------------------


Enter the password for the ActiveVOS Administrator Console:



================================================================================
Industry
--------

Select the industry to which the organization belongs:

    1- Aerospace and Defense
    2- Agriculture and Agribusiness
    3- Automotive
    4- Basic Materials
    5- Construction and Property
    6- Diversified and Conglomerate
    7- Education
    8- Energy, Chemical, and Utilities
    9- Financial Services - Banking and Securities
   10- Financial Services - Insurance
   11- Financial Services - Investment
   12- Financial Services - Other
   13- Food and Beverages
```

```
   14- Government - National
   15- Government - State, Local, and Other
   16- Health Care, Medical, Pharma, and Biotech
   17- Hospitality, Entertainment, and Leisure
   18- Manufacturing
   19- Media, Advertising, PR
   20- Professional Services - Accounting
   21- Professional Services - Consulting
   22- Professional Services - Legal
   23- Professional Services - Other
   24- Retail
   25- Technology - Hardware and Equipment
   26- Technology - Other
   27- Technology - Software and Services
   28- Telecommunications
   29- Transportation and Distribution
   30- Other

ENTER THE NUMBER OF THE DESIRED CHOICE: 25




===============================================================================
Environment
-----------

Enter environment type:

  ->1- Production
    2- Test/QA
    3- Development

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Product Usage Toolkit
---------------------

Does your network have a proxy server?

    1- Yes
  ->2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
Product Usage Toolkit
---------------------

<p>The toolkit sends information about your MDM environment to Informatica.
The information is used by Informatica Global Customer Support to help
troubleshoot and provide recommendations for your environment.</p>

<b>Tip</b>: If you do not want the toolkit to send any information to
Informatica, you can disable the toolkit after you install or upgrade MDM.

PRESS <ENTER> TO CONTINUE:




===============================================================================
Deploy the Hub Server
```

```
--------------------

After you complete the installation, the installation wizard can automatically
deploy the Hub Server to the application server. Alternatively, you can
complete the installation and then run the script manually.

Caution: In some environments, you must deploy the Hub Server manually. For
more information, click Help.

  ->1- Yes, run it during this installation.
    2- No, I will run it later.

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Configuration Summary
--------------------

Review the selected settings:

Product Name:
    Informatica Multidomain MDM Hub Server

Install Folder:
    /opt/infa/mdm/hub/server

Link Folder:
    /opt/infa/mdm/hub/server

Application Server:
    JBoss

Database Management:
    "","Microsoft SQL Server",""

Install Informatica ActiveVOS
    Yes

Product Usage Toolkit:
    Product Usage Toolkit Proxy Server: No Proxy Server

Auto Deploy?
    Yes

Disk Space Information (for Installation Target):
    Required:    841,346,520 Bytes
    Available: 4,644,503,552 Bytes

PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------


  [=================|=================|=================|=================]
  [-----------------|-----------------|-----------------|-----------------]




===============================================================================
Executing ActiveVOS Installation ...
----------------------------------

!!! Executing ActiveVOS Installation ...
```

```
PRESS <ENTER> TO CONTINUE:


===============================================================================


Please Wait
-----------

Executing ActiveVOS Installation ...
/
===============================================================================


Please Wait
-----------



===============================================================================


Please Wait
-----------

Executing PostInstallSetup Script...
-
===============================================================================
Installation is complete
------------------------

Informatica Multidomain MDM Hub Server is successfully installed in:

/opt/infa/mdm/hub/server

The backup of your previous installation is in /Informatica Multidomain MDM
Hub Server-2021-07-07 09:48 AM.jar.

PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00569g mrmserver]$
```

- **Navigate to /opt/infa/mdm/hub/server & run the below command to conclude post-install of
  Hub Server**

```
[infamgr@p1l00570g server]$ ./postInstallSetup.sh -Ddatabase.password="cmx_system@PRODPWD1" -
Davos.username="avadmin" -Davos.password="avos@dmin99#" -
Davos.jdbc.database.username="ActiveVOS" -Davos.jdbc.database.password="ActiveVOS@PRODPWD1"
-------------------------------------------------------
Current folder : /opt/infa/mdm/hub/server/bin
Current script : /opt/infa/mdm/hub/server/bin/sip_ant.sh
Parameters :
JBoss Home : /opt/jboss/jboss-eap-7.2
Siperian Home : /opt/infa/mdm/hub/server
Java Home : /opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64
Classpath :
/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/infa/mdm/hub/server/lib/ant.jar:/opt/infa/mdm/hub/
server/lib/xml-
apis.jar:/opt/infa/mdm/hub/server/lib/xercesImpl.jar:/opt/infa/mdm/hub/server/lib/log4j-
1.2.16.jar:/opt/infa/mdm/hub/server/lib/siperian-common.jar:/opt/infa/mdm/hub/server/lib/ant-
apache-log4j.jar:/opt/jboss/jboss-eap-7.2/bin/client/jboss-cli-client.jar:/opt/jboss/jboss-eap-
```

```
7.2/bin/client/jboss-client.jar=:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-
linux_x64/lib/rt.jar:/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/jboss/java/zulu8.40.0.20-sa-
jdk8.0.222-linux_x64/lib/i18n.jar
-----------------------------------------------------------------
OpenJDK 64-Bit Server VM warning: ignoring option MaxPermSize=256m; support was removed in 8.0
Buildfile: /opt/infa/mdm/hub/server/bin/build.xml
*** DEPLOYMENT SUCCESSFUL ***

*** View execution results in log file :  ./logs/postInstallSetup.log ***
```

8.2. Install Hub on Server 2

Go to */opt/infa/sw_install/linux/mrmserver/* and run the below script. **./hub_install.bin -i console** and enter the below values when prompted.

Field	Value
Installation directory	/opt/infa/mdm/hub/server
Link Location	/opt/infa/mdm/hub/server
Absolute path of the license file	/opt/infa/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Advanced Security	Default
Customer Hash Key	Null
Console Hostname	p1l00570g.dc01.its.hpecorp.net
Console Application Server Port Number	8180
Application Server	jboss
JBOSS Installation directory	/opt/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	Default <4447>
Management Native Port	Default <9990>
Type of Database	MSSQL
Server Host	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Database Name	CMX_SYSTEM
DBO User Name	cmx_system
Enter DBO Password	cmx_system@PRODPWD1
Customisation of URL	default
Install Informatica ActiveVOS	yes

Field	Value
ActiveVOS Server Installation Directory	/opt/infa/mdm/avos/server
Server	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Active VOS Schema Name	avos
Active VOS Schema Password	avos@pwd1
Web Services URL	**http://p1l00570g.dc01.its.hpecorp.net:8180**
ActiveVOS Server Installer File	/opt/jboss/sw_install/ActiveVOS/ActiveVOS_Server_Unix_9.2.4.6.sh
ActiveVOS Administrator Console User Name	avadmin
ActiveVOS Administrator Console User Password	avos@dmin99#
Install Informatica Platform?	no
Industry	30
Environment	TEST/QA
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Password	Null
Deploy Hub Server?	Yes

- **Navigate to /opt/jboss/sw_install/linux/mrmserver & execute ./hub_install.bin -i console**

- **Choose the Locale as English and press 'Enter' twice**

- **Accept the License Agreement**

- **Select '/opt/infa/mdm/hub/server' as the path for Hub Server installation and choose the default link location**

- **Choose '/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license' as the location of the license file**

- **Choose the default Security configuration and enter no Customer Hash key**

- **Provide hostname of local server, enter 8180 as web port and choose JBOSS as web server**

- **Provide JBOSS installation directory, choose config name as 'standalone' and accept the default ports**

- **Choose Microsoft SQL Server as DB type and Enter the Database Information Details**

- **Enter the prompts as per table to install AVOS**

- **Choose not to install Informatica Platform & select 25 as Industry type while keeping the Environment type as Production**

- **Review the config and hit enter to kickstart the Installation**

```
[infamgr@p1l00570g mrmserver]$ ./hub_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

===============================================================================
Choose Locale...
----------------

    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- ???????
    7- ???
    8- ???
    9- ????
   10- ???

Choose a locale by number: 2
===============================================================================
Informatica Multidomain MDM Hub Server        (created with InstallAnywhere)
-------------------------------------------------------------------------------

Preparing CONSOLE Mode Installation...




===============================================================================
Welcome
-------

The installation wizard walks you through installing the Hub Server for
Informatica Multidomain MDM.

.

Close all programs before you install the Hub Server. When you are ready,
click Next.

PRESS <ENTER> TO CONTINUE:
```

```
================================================================================
Review the license agreement
----------------------------

To continue the installation, read and accept the license agreement.

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editing mdmsupport.properties file in the support directory within the
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===============================================================================
Select an installation directory
--------------------------------


.
 Informatica Multidomain MDM Hub Server.

Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/server

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : /opt/infa/mdm/hub/server

INSTALL FOLDER IS: /opt/infa/mdm/hub/server
   IS THIS CORRECT? (Y/N): y



===============================================================================
Choose Link Location
--------------------

Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/server
    2- In your home folder
    3- Choose another location...

    4- Don't create links

^[[2;2R^[[>0;136;0c AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : 1



===============================================================================
Enter the location of the license file.
--------------------------------------

Enter the fully qualified path to the Multidomain MDM license file.
```

```
The file will be copied to the following directory:
/opt/infa/mdm/hub/server\\license.

License File Absolute Path: (Default: //siperian.license): /opt/jboss/sw_install/Hewlett-
Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license




===============================================================================
Advanced Security
-----------------

Select advanced security configuration.

  ->1- Default
    2- Custom

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Configure security
------------------

Customer Hash Key (optional):

=Customer Hash Key: :




===============================================================================
Console Application Server Name
-------------------------------

You can change the name for the console for the application server here.

Console.Hostname :




===============================================================================
Console Application Server Port Number
--------------------------------------

You can change the name for the console for the application server port number
here.

Console.Webport : back




===============================================================================
Console Application Server Name
-------------------------------

You can change the name for the console for the application server here.

Console.Hostname : p1l00570g.dc01.its.hpecorp.net




===============================================================================
Console Application Server Port Number
```

```
--------------------------------------

You can change the name for the console for the application server port number
here.

Console.Webport : 8180




================================================================================
Select the application server
-----------------------------

Select the application server that you installed and configured for use with
Informatica Multidomain MDM Hub Server.

  ->1- JBoss
    2- WebSphere
    3- Oracle WebLogic

ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Jboss Select the installation directory
---------------------------------------

JBoss Installation Directory: (Example: /jboss)

Path (Default: /): /opt/jboss/jboss-eap-7.2




================================================================================
Jboss Specify a configuration name
-----------------------------------

Use the default configuration name unless you are advised to change it by
Informatica Global Customer Support. The Hub Server is deployed to the
specified configuration.

Configuration Name: (Default: standalone):




================================================================================
Jboss Set ports
---------------

Set the ports that are used by the JBoss Server.

Remote Port (Default: 4447):

Managenet Native Port (Default: 9990):




================================================================================
Select the database management system
-------------------------------------

Select the database management system that you installed and configured for
```

```
use with Informatica Multidomain MDM Hub Server.

  ->1- Oracle Database
    2- Microsoft SQL Server
    3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Oracle Database Select the connection type
-------------------------------------------

Choose a connection type for the Oracle Database


  ->1- Service Name
    2- SID

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: back




===============================================================================
Select the database management system
-------------------------------------

Select the database management system that you installed and configured for
use with Informatica Multidomain MDM Hub Server.

  ->1- Oracle Database
    2- Microsoft SQL Server
    3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica MDM Hub Server uses this datasource to connect to the Informatica
MDM Hub System Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: cmx_system):

DBO Username : cmx_system




===============================================================================
Enter DBO Password
------------------

This installation requires a password to continue.

Enter DBO Password:
```

```
================================================================================
Install Informatica ActiveVOS?
------------------------------

Do you want to install ActiveVOS?

  ->1- Yes
    2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Select an ActiveVOS Server installation directory:
---------------------------------------------------

Select an empty directory where you want to install ActiveVOS Server.

Installtion folder absolute path (Default:
   /home/infamgr/infamdm/avos/server): /opt/jboss/sw_install/ActiveVOS_Server_Unix_9.2.4.6.sh




================================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: avos): ActiveVOS

DBO Username (Default: avos): ActiveVOS




================================================================================
Enter the DBO password
----------------------

This installation requires a password to continue.

Enter the DBO password:




================================================================================
Application Server Web URL
--------------------------

Provide the Application Server Web URL that is used to call Informatica
ActiveVOS and Informatica MDM web services

Application Server Web URL (Default: http://localhost:8080):
http://p1l00570g.dc01.its.hpecorp.net:8180
```

```
================================================================================
ActiveVOS Installer
-------------------


Select the path for ActiveVOS installer.

Installer path (Default: /opt/jboss/sw_install/linux/linux/mrmserver/ActiveV
    OS_Server_unix_9.2.4.6.sh): back




================================================================================
Enter the DBO password
----------------------

This installation requires a password to continue.

Enter the DBO password:




================================================================================
MSSQL Server Database Information
---------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): back




================================================================================
Select an ActiveVOS Server installation directory:
--------------------------------------------------

Select an empty directory where you want to install ActiveVOS Server.

Installtion folder absolute path (Default:
    /home/infamgr/infamdm/avos/server): /opt/infa/mdm/avos/server




================================================================================
MSSQL Server Database Information
---------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: avos): ActiveVOS

DBO Username (Default: avos): ActiveVOS




================================================================================
Enter the DBO password
----------------------

This installation requires a password to continue.
```

```
Enter the DBO password:




================================================================================
ActiveVOS Installer
-------------------

Select the path for ActiveVOS installer.

Installer path (Default: /opt/jboss/sw_install/linux/linux/mrmserver/ActiveV
    OS_Server_unix_9.2.4.6.sh): /opt/jboss/sw_install/ActiveVOS_Server_Unix_9.2.4.6.sh




================================================================================
ActiveVOS Enter console credentials
-----------------------------------


ActiveVOS Administrator Console User Name: : avadmin




================================================================================
ActiveVOS Enter the console user credentials
--------------------------------------------


Enter the password for the ActiveVOS Administrator Console:



================================================================================
Industry
--------

Select the industry to which the organization belongs:

     1- Aerospace and Defense
     2- Agriculture and Agribusiness
     3- Automotive
     4- Basic Materials
     5- Construction and Property
     6- Diversified and Conglomerate
     7- Education
     8- Energy, Chemical, and Utilities
     9- Financial Services - Banking and Securities
    10- Financial Services - Insurance
    11- Financial Services - Investment
    12- Financial Services - Other
    13- Food and Beverages
    14- Government - National
    15- Government - State, Local, and Other
    16- Health Care, Medical, Pharma, and Biotech
    17- Hospitality, Entertainment, and Leisure
    18- Manufacturing
    19- Media, Advertising, PR
    20- Professional Services - Accounting
    21- Professional Services - Consulting
    22- Professional Services - Legal
    23- Professional Services - Other
    24- Retail
    25- Technology - Hardware and Equipment
    26- Technology - Other
    27- Technology - Software and Services
```

```
    28- Telecommunications
    29- Transportation and Distribution
    30- Other

ENTER THE NUMBER OF THE DESIRED CHOICE: 25




================================================================================
Environment
-----------

Enter environment type:

  ->1- Production
    2- Test/QA
    3- Development

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Product Usage Toolkit
---------------------

Does your network have a proxy server?

    1- Yes
  ->2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




================================================================================
Product Usage Toolkit
---------------------

<p>The toolkit sends information about your MDM environment to Informatica.
The information is used by Informatica Global Customer Support to help
troubleshoot and provide recommendations for your environment.</p>

<b>Tip</b>: If you do not want the toolkit to send any information to
Informatica, you can disable the toolkit after you install or upgrade MDM.

PRESS <ENTER> TO CONTINUE:




================================================================================
Deploy the Hub Server
---------------------

After you complete the installation, the installation wizard can automatically
deploy the Hub Server to the application server. Alternatively, you can
complete the installation and then run the script manually.

Caution: In some environments, you must deploy the Hub Server manually. For
more information, click Help.

  ->1- Yes, run it during this installation.
    2- No, I will run it later.

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1
```

```
================================================================================
Configuration Summary
---------------------

Review the selected settings:

Product Name:
    Informatica Multidomain MDM Hub Server

Install Folder:
    /opt/infa/mdm/hub/server

Link Folder:
    /opt/infa/mdm/hub/server

Application Server:
    JBoss

Database Management:
    "","Microsoft SQL Server",""

Install Informatica ActiveVOS
    Yes

Product Usage Toolkit:
    Product Usage Toolkit Proxy Server: No Proxy Server

Auto Deploy?
    Yes

Disk Space Information (for Installation Target):
    Required:    841,346,520 Bytes
    Available: 5,707,288,576 Bytes

PRESS <ENTER> TO CONTINUE:



================================================================================
Installing...
-------------

  [==================|==================|==================|==================]
  [------------------|------------------|------------------|------------------]



================================================================================
Executing ActiveVOS Installation ...
-----------------------------------

!!! Executing ActiveVOS Installation ...

PRESS <ENTER> TO CONTINUE:



================================================================================



Please Wait
-----------

Executing ActiveVOS Installation ...
-
```

```
================================================================================


Please Wait
-----------



================================================================================


Please Wait
-----------

Executing PostInstallSetup Script...
-

================================================================================
Installation is complete
-----------------------

Informatica Multidomain MDM Hub Server is successfully installed in:

/opt/infa/mdm/hub/server

The backup of your previous installation is in /Informatica Multidomain MDM
Hub Server-2021-07-07 10:53 AM.jar.

PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00570g mrmserver]$
```

- After the installation navigate to the /opt/infa/mdm/hub/server/resources and take a backup of the certificates folder and copy the the certificates folder from server 1 to the above folder in server 2.

```
[infamgr@p1l00570g mdm]$ cd hub/server/resources/
[infamgr@p1l00570g resources]$ ls -ltr
total 7912
-rwxr-x---  1 infamgr infamgr 4035155 Dec 16  2020 activevos.modules.jar
-rwxr-x---  1 infamgr infamgr 4034671 Dec 16  2020 modules.jar
-rwxr-x---  1 infamgr infamgr    7095 Jul  7 11:08 infinispanConfig.xml
-rwxr-x---  1 infamgr infamgr    2718 Jul  7 11:08 jgroups-udp.xml
-rwxr-x---  1 infamgr infamgr    2712 Jul  7 11:08 jgroups-tcp.xml
drwxr-x--- 10 infamgr infamgr     164 Jul  7 11:09 database
drwxr-x---  6 infamgr infamgr     174 Jul  7 11:09 bpm
drwxrwxr-x  2 infamgr infamgr     197 Jul  7 11:09 old_certificates
drwxrwxr-x  2 infamgr infamgr      28 Jul  7 11:11 hub
drwxr-x---  2 infamgr infamgr     317 Jul  9 11:45 certificates
-rwxr-x---  1 infamgr infamgr    7326 Jul 22 14:13 cmxserver.properties
[infamgr@p1l00570g resources]$ pwd
/opt/infa/mdm/hub/server/resources
[infamgr@p1l00570g resources]$
```

- **Navigate to /opt/infa/mdm/hub/server & run the below command to conclude post-install of Hub Server**

```
[infamgr@p1l00570g server]$ ./postInstallSetup.sh -Ddatabase.password="cmx_system@PRODPWD1" -
Davos.username="avadmin" -Davos.password="avos@dmin99#" -
Davos.jdbc.database.username="ActiveVOS" -Davos.jdbc.database.password="ActiveVOS@PRODPWD1"
-----------------------------------------------------------------
Current folder : /opt/infa/mdm/hub/server/bin
Current script : /opt/infa/mdm/hub/server/bin/sip_ant.sh
Parameters :
JBoss Home : /opt/jboss/jboss-eap-7.2
Siperian Home : /opt/infa/mdm/hub/server
```

```
Java Home : /opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64
Classpath :
/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/infa/mdm/hub/server/lib/ant.jar:/opt/infa/mdm/hub/
server/lib/xml-
apis.jar:/opt/infa/mdm/hub/server/lib/xercesImpl.jar:/opt/infa/mdm/hub/server/lib/log4j-
1.2.16.jar:/opt/infa/mdm/hub/server/lib/siperian-common.jar:/opt/infa/mdm/hub/server/lib/ant-
apache-log4j.jar:/opt/jboss/jboss-eap-7.2/bin/client/jboss-cli-client.jar:/opt/jboss/jboss-eap-
7.2/bin/client/jboss-client.jar=:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-
linux_x64/lib/rt.jar:/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/jboss/java/zulu8.40.0.20-sa-
jdk8.0.222-linux_x64/lib/i18n.jar
----------------------------------------------------------------
OpenJDK 64-Bit Server VM warning: ignoring option MaxPermSize=256m; support was removed in 8.0
Buildfile: /opt/infa/mdm/hub/server/bin/build.xml
*** DEPLOYMENT SUCCESSFUL ***

*** View execution results in log file :  ./logs/postInstallSetup.log ***

[infamgr@p1l00570g server]$
```

8.3. Install Hub on Server 3

Go to */opt/infa/sw_install/linux/mrmserver/* and run the below script. **./hub_install.bin -i console** and enter the below values when prompted.

Field	Value
Installation directory	/opt/infa/mdm/hub/server
Link Location	/opt/infa/mdm/hub/server
Absolute path of the license file	/opt/infa/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Advanced Security	Default
Customer Hash Key	Null
Console Hostname	p1l00571g.dc01.its.hpecorp.net
Console Application Server Port Number	8180
Application Server	jboss
JBOSS Installation directory	/opt/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	Default <4447>
Management Native Port	Default <9990>
Type of Database	MSSQL
Server Host	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Database Name	CMX_SYSTEM
DBO User Name	cmx_system

Field	Value
Enter DBO Password	cmx_system@PRODPWD1
Customisation of URL	default
Install Informatica ActiveVOS	yes
ActiveVOS Server Installation Directory	/opt/infa/mdm/avos/server
Server	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Active VOS Schema Name	avos
Active VOS Schema Password	avos@pwd1
Web Services URL	**http://p1l00571g.dc01.its.hpecorp.net:8180**
ActiveVOS Server Installer File	/opt/jboss/sw_install/ActiveVOS/ActiveVOS_Server_Unix_9.2.4.6.sh
ActiveVOS Administrator Console User Name	avadmin
ActiveVOS Administrator Console User Password	avos@dmin99#
Install Informatica Platform?	no
Industry	30
Environment	PRODUCTION
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Password	Null
Deploy Hub Server?	Yes

- **Navigate to /opt/jboss/sw_install/linux/mrmserver & execute ./hub_install.bin -i console**

- **Choose the Locale as English and press 'Enter' twice**

- **Accept the License Agreement**

- **Select '/opt/infa/mdm/hub/server' as the path for Hub Server installation and choose the default link location**

- **Choose '/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license' as the location of the license file**

- **Choose the default Security configuration and enter no Customer Hash key**

- **Provide hostname of local server, enter 8180 as web port and choose JBOSS as web server**

- **Provide JBOSS installation directory, choose config name as 'standalone' and accept the default ports**

- **Choose Microsoft SQL Server as DB type and Enter the Database Information Details**

- **Enter the prompts as per table to install AVOS**

- **Choose not to install Informatica Platform & select 25 as Industry type while keeping the Environment type as Production**

- **Review the config and hit enter to kickstart the Installation**

```
[infamgr@p1l00571g mrmserver]$ ./hub_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

===============================================================================
Choose Locale...
----------------

    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- ไทย
    8- 日本語
    9- 简体中文
   10- 한국어

Choose a locale by number: 2
===============================================================================
Informatica Multidomain MDM Hub Server          (created with InstallAnywhere)
-------------------------------------------------------------------------------

Preparing CONSOLE Mode Installation...




===============================================================================
Welcome
```

```
-------

The installation wizard walks you through installing the Hub Server for
Informatica Multidomain MDM.

.

Close all programs before you install the Hub Server. When you are ready,
click Next.

PRESS <ENTER> TO CONTINUE:



===============================================================================
Review the license agreement
---------------------------

To continue the installation, read and accept the license agreement.

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After you install Informatica MDM, you can opt-out of data usage collection by
editing mdmsupport.properties file in the support directory within the
installation folder

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===============================================================================
Select an installation directory
--------------------------------


.
 Informatica Multidomain MDM Hub Server.

Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/server

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
     : /opt/infa/mdm/hub/server

INSTALL FOLDER IS: /opt/infa/mdm/hub/server
   IS THIS CORRECT? (Y/N): Y



===============================================================================
Choose Link Location
--------------------


Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/server
    2- In your home folder
    3- Choose another location...

    4- Don't create links
```

```
ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
     : 1




================================================================================
Enter the location of the license file.
----------------------------------------

Enter the fully qualified path to the Multidomain MDM license file.

The file will be copied to the following directory:
/opt/infa/mdm/hub/server\\license.

License File Absolute Path: (Default: //siperian.license): /opt/jboss/sw_install/Hewlett-
Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license




================================================================================
Advanced Security
-----------------

Select advanced security configuration.

  ->1- Default
    2- Custom

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Configure security
------------------

Customer Hash Key (optional):

=Customer Hash Key: :




================================================================================
Console Application Server Name
-------------------------------

You can change the name for the console for the application server here.

Console.Hostname : 16.231.23.205




================================================================================
Console Application Server Port Number
--------------------------------------

You can change the name for the console for the application server port number
here.

Console.Webport : 8180




================================================================================
```

```
Select the application server
-----------------------------

Select the application server that you installed and configured for use with
Informatica Multidomain MDM Hub Server.

   ->1- JBoss
     2- WebSphere
     3- Oracle WebLogic

ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Jboss Select the installation directory
---------------------------------------

JBoss Installation Directory: (Example: /jboss)

Path (Default: /): /opt/jboss/jboss-eap-7.2




===============================================================================
Jboss Specify a configuration name
----------------------------------

Use the default configuration name unless you are advised to change it by
Informatica Global Customer Support. The Hub Server is deployed to the
specified configuration.

Configuration Name: (Default: standalone):




===============================================================================
Jboss Set ports
---------------

Set the ports that are used by the JBoss Server.

Remote Port (Default: 4447):

Managenet Native Port (Default: 9990):




===============================================================================
Select the database management system
-------------------------------------

Select the database management system that you installed and configured for
use with Informatica Multidomain MDM Hub Server.

   ->1- Oracle Database
     2- Microsoft SQL Server
     3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1
```

```
================================================================================
Oracle Database Select the connection type
-----------------------------------------

Choose a connection type for the Oracle Database


   ->1- Service Name
     2- SID

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: back




================================================================================
Select the database management system
-------------------------------------

Select the database management system that you installed and configured for
use with Informatica Multidomain MDM Hub Server.

   ->1- Oracle Database
     2- Microsoft SQL Server
     3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




================================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica MDM Hub Server uses this datasource to connect to the Informatica
MDM Hub System Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: cmx_system): cmx_system

DBO Username : cmx_system




================================================================================
Enter DBO Password
------------------

This installation requires a password to continue.

Enter DBO Password:




================================================================================
Install Informatica ActiveVOS?
------------------------------

Do you want to install ActiveVOS?

   ->1- Yes
     2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1
```

```
================================================================================
Select an ActiveVOS Server installation directory:
---------------------------------------------------

Select an empty directory where you want to install ActiveVOS Server.

Installtion folder absolute path (Default:
   /home/infamgr/infamdm/avos/server): /opt/infa/mdm/avos/server




================================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: avos): ActiveVOS

DBO Username (Default: avos): ActiveVOS




================================================================================
Enter the DBO password
----------------------

This installation requires a password to continue.

Enter the DBO password:



================================================================================
Application Server Web URL
--------------------------

Provide the Application Server Web URL that is used to call Informatica
ActiveVOS and Informatica MDM web services

Application Server Web URL (Default: http://localhost:8080): http://16.231.23.205:8180




================================================================================
ActiveVOS Installer
-------------------

Select the path for ActiveVOS installer.

Installer path (Default:
   /opt/jboss/sw_install/linux/mrmserver/ActiveVOS_Server_unix_9.2.4.6.sh):
/opt/jboss/sw_install/ActiveVOS_Server_Unix_9.2.4.6.sh
```

```
================================================================================
ActiveVOS Enter console credentials
----------------------------------



ActiveVOS Administrator Console User Name: : avadmin




================================================================================
ActiveVOS Enter the console user credentials
-------------------------------------------



Enter the password for the ActiveVOS Administrator Console:




================================================================================
Industry
--------

Select the industry to which the organization belongs:

    1- Aerospace and Defense
    2- Agriculture and Agribusiness
    3- Automotive
    4- Basic Materials
    5- Construction and Property
    6- Diversified and Conglomerate
    7- Education
    8- Energy, Chemical, and Utilities
    9- Financial Services - Banking and Securities
   10- Financial Services - Insurance
   11- Financial Services - Investment
   12- Financial Services - Other
   13- Food and Beverages
   14- Government - National
   15- Government - State, Local, and Other
   16- Health Care, Medical, Pharma, and Biotech
   17- Hospitality, Entertainment, and Leisure
   18- Manufacturing
   19- Media, Advertising, PR
   20- Professional Services - Accounting
   21- Professional Services - Consulting
   22- Professional Services - Legal
   23- Professional Services - Other
   24- Retail
   25- Technology - Hardware and Equipment
   26- Technology - Other
   27- Technology - Software and Services
   28- Telecommunications
   29- Transportation and Distribution
   30- Other

ENTER THE NUMBER OF THE DESIRED CHOICE: 25




================================================================================
Environment
-----------

Enter environment type:

  ->1- Production
```

```
   2- Test/QA
   3- Development

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Product Usage Toolkit
---------------------

Does your network have a proxy server?

   1- Yes
 ->2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
Product Usage Toolkit
---------------------

<p>The toolkit sends information about your MDM environment to Informatica.
The information is used by Informatica Global Customer Support to help
troubleshoot and provide recommendations for your environment.</p>

<b>Tip</b>: If you do not want the toolkit to send any information to
Informatica, you can disable the toolkit after you install or upgrade MDM.

PRESS <ENTER> TO CONTINUE:




===============================================================================
Deploy the Hub Server
---------------------

After you complete the installation, the installation wizard can automatically
deploy the Hub Server to the application server. Alternatively, you can
complete the installation and then run the script manually.

Caution: In some environments, you must deploy the Hub Server manually. For
more information, click Help.

 ->1- Yes, run it during this installation.
   2- No, I will run it later.

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Configuration Summary
---------------------

Review the selected settings:

Product Name:
    Informatica Multidomain MDM Hub Server

Install Folder:
    /opt/infa/mdm/hub/server

Link Folder:
```

```
        /opt/infa/mdm/hub/server

Application Server:
    JBoss

Database Management:
    "","Microsoft SQL Server",""

Install Informatica ActiveVOS
    Yes

Product Usage Toolkit:
    Product Usage Toolkit Proxy Server: No Proxy Server

Auto Deploy?
    Yes

Disk Space Information (for Installation Target):
    Required:    841,346,520 Bytes
    Available: 5,645,746,176 Bytes

PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------


  [=================|=================|=================|=================]
  [-----------------|-----------------|-----------------|-----------------]




===============================================================================
Executing ActiveVOS Installation ...
------------------------------------

!!! Executing ActiveVOS Installation ...

PRESS <ENTER> TO CONTINUE:




===============================================================================


Please Wait
-----------

Executing ActiveVOS Installation ...
-
===============================================================================


Please Wait
-----------




===============================================================================


Please Wait
-----------

Executing PostInstallSetup Script...
|
```

```
================================================================================
Installation is complete
-----------------------

Informatica Multidomain MDM Hub Server is successfully installed in:

/opt/infa/mdm/hub/server

The backup of your previous installation is in /Informatica Multidomain MDM
Hub Server-2021-07-15 14:57 PM.jar.

PRESS <ENTER> TO EXIT THE INSTALLER:

[infamgr@p1l00571g mrmserver]$
```

- **After the installation navigate to the /opt/infa/mdm/hub/server/resources and take a backup of the certificates folder and copy the the certificates folder from server 1 to the above folder in server 3.**

```
[infamgr@p1l00570g mdm]$ cd hub/server/resources/
[infamgr@p1l00570g resources]$ ls -ltr
total 7912
-rwxr-x---  1 infamgr infamgr 4035155 Dec 16  2020 activevos.modules.jar
-rwxr-x---  1 infamgr infamgr 4034671 Dec 16  2020 modules.jar
-rwxr-x---  1 infamgr infamgr    7095 Jul  7 11:08 infinispanConfig.xml
-rwxr-x---  1 infamgr infamgr    2718 Jul  7 11:08 jgroups-udp.xml
-rwxr-x---  1 infamgr infamgr    2712 Jul  7 11:08 jgroups-tcp.xml
drwxr-x--- 10 infamgr infamgr     164 Jul  7 11:09 database
drwxr-x---  6 infamgr infamgr     174 Jul  7 11:09 bpm
drwxrwxr-x  2 infamgr infamgr     197 Jul  7 11:09 old_certificates
drwxrwxr-x  2 infamgr infamgr      28 Jul  7 11:11 hub
drwxr-x---  2 infamgr infamgr     317 Jul  9 11:45 certificates
-rwxr-x---  1 infamgr infamgr    7326 Jul 22 14:13 cmxserver.properties
[infamgr@p1l00570g resources]$ pwd
/opt/infa/mdm/hub/server/resources
[infamgr@p1l00570g resources]$
```

- **Navigate to /opt/infa/mdm/hub/server & run the below command to conclude post-install of Hub Server**

```
[infamgr@p1l00571g server]$ ./postInstallSetup.sh -Ddatabase.password="cmx_system@PRODPWD1" -
Davos.username="avadmin" -Davos.password="avos@dmin99#" -
Davos.jdbc.database.username="ActiveVOS" -Davos.jdbc.database.password="ActiveVOS@PRODPWD1"
----------------------------------------------------------------
Current folder : /opt/infa/mdm/hub/server/bin
Current script : /opt/infa/mdm/hub/server/bin/sip_ant.sh
Parameters :
JBoss Home : /opt/jboss/jboss-eap-7.2
Siperian Home : /opt/infa/mdm/hub/server
Java Home : /opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64
Classpath :
/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/infa/mdm/hub/server/lib/ant.jar:/opt/infa/mdm/hub/
server/lib/xml-
apis.jar:/opt/infa/mdm/hub/server/lib/xercesImpl.jar:/opt/infa/mdm/hub/server/lib/log4j-
1.2.16.jar:/opt/infa/mdm/hub/server/lib/siperian-common.jar:/opt/infa/mdm/hub/server/lib/ant-
apache-log4j.jar:/opt/jboss/jboss-eap-7.2/bin/client/jboss-cli-client.jar:/opt/jboss/jboss-eap-
7.2/bin/client/jboss-client.jar=:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-
linux_x64/lib/rt.jar:/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/jboss/java/zulu8.40.0.20-sa-
jdk8.0.222-linux_x64/lib/i18n.jar
----------------------------------------------------------------
OpenJDK 64-Bit Server VM warning: ignoring option MaxPermSize=256m; support was removed in 8.0
Buildfile: /opt/infa/mdm/hub/server/bin/build.xml
```

```
*** DEPLOYMENT SUCCESSFUL ***

*** View execution results in log file :  ./logs/postInstallSetup.log ***

[infamgr@p1l00571g server]$
```

8.4. Install Hub on Server 4

Go to */opt/infa/sw_install/linux/mrmserver/* and run the below script. **./hub_install.bin -i console** and enter the below values when prompted.

Field	Value
Installation directory	/opt/infa/mdm/hub/server
Link Location	/opt/infa/mdm/hub/server
Absolute path of the license file	/opt/infa/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Advanced Security	Default
Customer Hash Key	Null
Console Hostname	p1l00572g.dc01.its.hpecorp.net
Console Application Server Port Number	8180
Application Server	jboss
JBOSS Installation directory	/opt/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	Default <4447>
Management Native Port	Default <9990>
Type of Database	MSSQL
Server Host	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Database Name	CMX_SYSTEM
DBO User Name	cmx_system
Enter DBO Password	cmx_system@PRODPWD1
Customisation of URL	default
Install Informatica ActiveVOS	yes
ActiveVOS Server Installation Directory	/opt/infa/mdm/avos/server

Field	Value
Server	**sqldb0007prd.americas.hpqcorp.net**
Port	1190
Active VOS Schema Name	avos
Active VOS Schema Password	avos@pwd1
Web Services URL	**http://p1l00572g.dc01.its.hpecorp.net:8180**
ActiveVOS Server Installer File	/opt/jboss/sw_install/ActiveVOS/ActiveVOS_Server_Unix_9.2.4.6.sh
ActiveVOS Administrator Console User Name	avadmin
ActiveVOS Administrator Console User Password	avos@dmin99#
Install Informatica Platform?	no
Industry	30
Environment	PRODUCTION
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Password	Null
Deploy Hub Server?	Yes

- Navigate to /opt/jboss/sw_install/linux/mrmserver & execute ./hub_install.bin -i console

- Choose the Locale as English and press 'Enter' twice

- Accept the License Agreement

- Select '/opt/infa/mdm/hub/server' as the path for Hub Server installation and choose the default link location

- Choose '/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license' as the location of the license file

- Choose the default Security configuration and enter no Customer Hash key

- Provide hostname of local server, enter 8180 as web port and choose JBOSS as web server

- Provide JBOSS installation directory, choose config name as 'standalone' and accept the default ports

- Choose Microsoft SQL Server as DB type and Enter the Database Information Details

- Enter the prompts as per table to install AVOS

- Choose not to install Informatica Platform & select 25 as Industry type while keeping the Environment type as Development

- Review the config and hit enter to kickstart the Installation

```
[infamgr@p1l00572g mrmserver]$ ./hub_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

================================================================================
Choose Locale...
----------------

    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- ไทย
    8- 日本語
    9- 简体中文
   10- 한국어

Choose a locale by number: 2
================================================================================
Informatica Multidomain MDM Hub Server          (created with InstallAnywhere)
--------------------------------------------------------------------------------

Preparing CONSOLE Mode Installation...




================================================================================
Welcome
-------

The installation wizard walks you through installing the Hub Server for
Informatica Multidomain MDM.

.
```

```
Close all programs before you install the Hub Server. When you are ready,
click Next.

PRESS <ENTER> TO CONTINUE:




================================================================================
Review the license agreement
----------------------------

To continue the installation, read and accept the license agreement.

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THIS FEATURE AT ANY TIME AS MORE FULLY DESCRIBED IN THE DOCUMENTATION.
After you install Informatica MDM, you can opt-out of data usage collection by
editing mdmsupport.properties file in the support directory within the
installation folder

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Informatica LLC
2100 Seaport Blvd,
Redwood City, CA 94063
USA
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===============================================================================
Select an installation directory
--------------------------------


.
 Informatica Multidomain MDM Hub Server.

Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/server

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
     : /opt/infa/mdm/hub/server

INSTALL FOLDER IS: /opt/infa/mdm/hub/server
   IS THIS CORRECT? (Y/N): Y




===============================================================================
Choose Link Location
--------------------


Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/server
    2- In your home folder
    3- Choose another location...
```

```
     4- Don't create links

ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : 1




================================================================================
Enter the location of the license file.
-----------------------------------

Enter the fully qualified path to the Multidomain MDM license file.

The file will be copied to the following directory:
/opt/infa/mdm/hub/server\\license.

License File Absolute Path: (Default: //siperian.license): /opt/jboss/sw_install/Hewlett-
Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license




================================================================================
Advanced Security
----------------

Select advanced security configuration.

  ->1- Default
    2- Custom

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
Configure security
------------------

Customer Hash Key (optional):

=Customer Hash Key: :




================================================================================
Console Application Server Name
-------------------------------

You can change the name for the console for the application server here.

Console.Hostname : p1l00572g.dc01.its.hpecorp.net




================================================================================
Console Application Server Port Number
-------------------------------------

You can change the name for the console for the application server port number
```

```
here.

Console.Webport : 8180




===============================================================================
Select the application server
-----------------------------

Select the application server that you installed and configured for use with
Informatica Multidomain MDM Hub Server.

  ->1- JBoss
    2- WebSphere
    3- Oracle WebLogic

ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Jboss Select the installation directory
---------------------------------------

JBoss Installation Directory: (Example: /jboss)

Path (Default: /): /opt/jboss/jboss-eap-7.2




===============================================================================
Jboss Specify a configuration name
----------------------------------

Use the default configuration name unless you are advised to change it by
Informatica Global Customer Support. The Hub Server is deployed to the
specified configuration.

Configuration Name: (Default: standalone):




===============================================================================
Jboss Set ports
---------------

Set the ports that are used by the JBoss Server.

Remote Port (Default: 4447):

Managenet Native Port (Default: 9990):




===============================================================================
Select the database management system
-------------------------------------
```

```
Select the database management system that you installed and configured for
use with Informatica Multidomain MDM Hub Server.

  ->1- Oracle Database
    2- Microsoft SQL Server
    3- IBM DB2 UDB

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica MDM Hub Server uses this datasource to connect to the Informatica
MDM Hub System Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: cmx_system):

DBO Username : cmx_system




===============================================================================
Enter DBO Password
------------------

This installation requires a password to continue.

Enter DBO Password:




===============================================================================
Install Informatica ActiveVOS?
------------------------------

Do you want to install ActiveVOS?

  ->1- Yes
    2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Select an ActiveVOS Server installation directory:
--------------------------------------------------

Select an empty directory where you want to install ActiveVOS Server.

Installtion folder absolute path (Default:
   /home/infamgr/infamdm/avos/server): /opt/infa/mdm/avos/server
```

```
================================================================================
MSSQL Server Database Information
--------------------------------

Specify the configuration parameters for creating the J2EE datasource. The
Informatica ActiveVOS Server uses this datasource to connect to the
Informatica  ActiveVOS Database.

Server (Default: localhost): sqldb0007prd.americas.hpqcorp.net

Port (Default: 1433): 1190

Database Name (Default: avos): ActiveVOS

DBO Username (Default: avos): ActiveVOS




================================================================================
Enter the DBO password
---------------------

This installation requires a password to continue.

Enter the DBO password:



================================================================================
Application Server Web URL
-------------------------

Provide the Application Server Web URL that is used to call Informatica
ActiveVOS and Informatica MDM web services

Application Server Web URL (Default: http://localhost:8080):
http://p1l00572g.dc01.its.hpecorp.net:8180




================================================================================
ActiveVOS Installer
------------------

Select the path for ActiveVOS installer.

Installer path (Default:
   /opt/jboss/sw_install/linux/mrmserver/ActiveVOS_Server_unix_9.2.4.6.sh):
/opt/jboss/sw_install/ActiveVOS_Server_Unix_9.2.4.6.sh




================================================================================
ActiveVOS Enter console credentials
----------------------------------
```

```
ActiveVOS Administrator Console User Name: : avadmin




================================================================================
ActiveVOS Enter the console user credentials
--------------------------------------------


Enter the password for the ActiveVOS Administrator Console:



================================================================================
Industry
--------


Select the industry to which the organization belongs:

     1- Aerospace and Defense
     2- Agriculture and Agribusiness
     3- Automotive
     4- Basic Materials
     5- Construction and Property
     6- Diversified and Conglomerate
     7- Education
     8- Energy, Chemical, and Utilities
     9- Financial Services - Banking and Securities
    10- Financial Services - Insurance
    11- Financial Services - Investment
    12- Financial Services - Other
    13- Food and Beverages
    14- Government - National
    15- Government - State, Local, and Other
    16- Health Care, Medical, Pharma, and Biotech
    17- Hospitality, Entertainment, and Leisure
    18- Manufacturing
    19- Media, Advertising, PR
    20- Professional Services - Accounting
    21- Professional Services - Consulting
    22- Professional Services - Legal
    23- Professional Services - Other
    24- Retail
    25- Technology - Hardware and Equipment
    26- Technology - Other
    27- Technology - Software and Services
    28- Telecommunications
    29- Transportation and Distribution
    30- Other

ENTER THE NUMBER OF THE DESIRED CHOICE: 25




================================================================================
Environment
-----------


Enter environment type:

  ->1- Production
    2- Test/QA
```

```
     3- Development

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Product Usage Toolkit
---------------------

Does your network have a proxy server?

    1- Yes
  ->2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
Product Usage Toolkit
---------------------

<p>The toolkit sends information about your MDM environment to Informatica.
The information is used by Informatica Global Customer Support to help
troubleshoot and provide recommendations for your environment.</p>

<b>Tip</b>: If you do not want the toolkit to send any information to
Informatica, you can disable the toolkit after you install or upgrade MDM.

PRESS <ENTER> TO CONTINUE:




===============================================================================
Deploy the Hub Server
---------------------

After you complete the installation, the installation wizard can automatically
deploy the Hub Server to the application server. Alternatively, you can
complete the installation and then run the script manually.

Caution: In some environments, you must deploy the Hub Server manually. For
more information, click Help.

  ->1- Yes, run it during this installation.
    2- No, I will run it later.

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




===============================================================================
Configuration Summary
---------------------

Review the selected settings:

Product Name:
    Informatica Multidomain MDM Hub Server
```

```
Install Folder:
    /opt/infa/mdm/hub/server

Link Folder:
    /opt/infa/mdm/hub/server

Application Server:
    JBoss

Database Management:
    "","Microsoft SQL Server",""

Install Informatica ActiveVOS
    Yes

Product Usage Toolkit:
    Product Usage Toolkit Proxy Server: No Proxy Server

Auto Deploy?
    Yes

Disk Space Information (for Installation Target):
    Required:    841,346,520 Bytes
    Available: 5,683,048,448 Bytes

PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------

  [=================|=================|=================|=================]
  [-----------------|-----------------|-----------------|-----------------]



===============================================================================
Executing ActiveVOS Installation ...
-----------------------------------

!!! Executing ActiveVOS Installation ...

PRESS <ENTER> TO CONTINUE:



===============================================================================



Please Wait
-----------

Executing ActiveVOS Installation ...
\

===============================================================================



Please Wait
-----------
```

```
================================================================================


Please Wait
-----------

Executing PostInstallSetup Script...
-

================================================================================
Installation is complete
------------------------

Informatica Multidomain MDM Hub Server is successfully installed in:

/opt/infa/mdm/hub/server

The backup of your previous installation is in /Informatica Multidomain MDM
Hub Server-2021-07-08 12:36 PM.jar.

PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00572g mrmserver]$
[infamgr@p1l00572g mrmserver]$ exit
exit

Script done on Thu 08 Jul 2021 12:49:46 PM UTC
[infamgr@p1l00572g mrmserver]$
```

- **After the installation navigate to the /opt/infa/mdm/hub/server/resources and take a backup of the certificates folder and copy the the certificates folder from server 1 to the above folder in server 4.**

```
[infamgr@p1l00572g mdm]$ cd hub/server/resources/
[infamgr@p1l00572g resources]$ ls -ltr
total 7912
-rwxr-x---  1 infamgr infamgr 4035155 Dec 16  2020 activevos.modules.jar
-rwxr-x---  1 infamgr infamgr 4034671 Dec 16  2020 modules.jar
-rwxr-x---  1 infamgr infamgr    7095 Jul  7 11:08 infinispanConfig.xml
-rwxr-x---  1 infamgr infamgr    2718 Jul  7 11:08 jgroups-udp.xml
-rwxr-x---  1 infamgr infamgr    2712 Jul  7 11:08 jgroups-tcp.xml
drwxr-x--- 10 infamgr infamgr     164 Jul  7 11:09 database
drwxr-x---  6 infamgr infamgr     174 Jul  7 11:09 bpm
drwxrwxr-x  2 infamgr infamgr     197 Jul  7 11:09 old_certificates
drwxrwxr-x  2 infamgr infamgr      28 Jul  7 11:11 hub
drwxr-x---  2 infamgr infamgr     317 Jul  9 11:45 certificates
-rwxr-x---  1 infamgr infamgr    7326 Jul 22 14:13 cmxserver.properties
[infamgr@p1l00572g resources]$ pwd
/opt/infa/mdm/hub/server/resources
[infamgr@p1l00572g resources]$
```

- **Navigate to /opt/infa/mdm/hub/server & run the below command to conclude post-install of Hub Server**

```
[infamgr@p1l00572g server]$ ./postInstallSetup.sh -Ddatabase.password="cmx_system@PRODPWD1" -
Davos.username="avadmin" -Davos.password="avos@dmin99#" -
Davos.jdbc.database.username="ActiveVOS" -Davos.jdbc.database.password="ActiveVOS@PRODPWD1"
----------------------------------------------------------------
Current folder : /opt/infa/mdm/hub/server/bin
Current script : /opt/infa/mdm/hub/server/bin/sip_ant.sh
Parameters :
```

```
JBoss Home : /opt/jboss/jboss-eap-7.2
Siperian Home : /opt/infa/mdm/hub/server
Java Home : /opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64
Classpath :
/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/infa/mdm/hub/server/lib/ant.jar:/opt/infa/mdm/hub/
server/lib/xml-
apis.jar:/opt/infa/mdm/hub/server/lib/xercesImpl.jar:/opt/infa/mdm/hub/server/lib/log4j-
1.2.16.jar:/opt/infa/mdm/hub/server/lib/siperian-common.jar:/opt/infa/mdm/hub/server/lib/ant-
apache-log4j.jar:/opt/jboss/jboss-eap-7.2/bin/client/jboss-cli-client.jar:/opt/jboss/jboss-eap-
7.2/bin/client/jboss-client.jar=:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-
linux_x64/lib/rt.jar:/opt/infa/mdm/hub/server/lib/ojdbc7.jar:/opt/jboss/java/zulu8.40.0.20-sa-
jdk8.0.222-linux_x64/lib/i18n.jar
------------------------------------------------------------------
OpenJDK 64-Bit Server VM warning: ignoring option MaxPermSize=256m; support was removed in 8.0
Buildfile: /opt/infa/mdm/hub/server/bin/build.xml
*** DEPLOYMENT SUCCESSFUL ***

*** View execution results in log file :  ./logs/postInstallSetup.log ***

[infamgr@p1l00572g server]$
```

9. Cleanse Installation

9.1. Install Cleanse Server on Server 1

- Navigate to the /opt/jboss/jboss-eap-7.2/modules/com/informatica/mdm/jdbc/main directory and copy the sqljdbc4.jar from the Hub Server

```
[infamgr@p1l00573g mrmcleanse]$ cd /opt/jboss/jboss-eap-
7.2/modules/com/informatica/mdm/jdbc/main

[infamgr@p1l00573g main]$ ls -tlr

total 576

-rwxr-x--- 1 infamgr infamgr    296 Jul  7 12:53 module.xml

-rwxr-x--- 1 infamgr infamgr 584207 Jul  7 12:53 sqljdbc4.jar

[infamgr@p1l00573g main]$
```

- Navigate to the /opt/jboss/jboss-eap-7.2/standalone/configuration/ directory and add the data sources to the standalone-full.xml

```
[infamgr@p1l00573g configuration]$ pwd

/opt/jboss/jboss-eap-7.2/standalone/configuration

[infamgr@p1l00573g configuration]$
```

- Go to */data/stage/linux/mrmcleanse/* and run the below script. ./hub_cleanse_install.bin

Field	Value
Installation directory	/opt/infa/mdm/hub/process
Location of the License File	/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Application Server	p1l00573g.dc01.its.hpecorp.net

JBoss Installation Directory	/app/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	4447
Management Port	9990
Configuration File	default
Parameters File	default
Correction Type	PARAMETERS_DEFAULT
Industry	25
Environment	Production
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Port	Null
Deploy process server?	yes

- Navigate to the mrmcleanse directory and run the installer in console mode

- Accept the terms of this License Agreement and enter the directory where the Process Server is to be installed.

- Enter the Absolute path of the license file

- Choose the Application Server on which the Process Server is to be Installed.

- Enter the JBoss Application Configuration and the Ports

- Choose the environment type as Production and select no when prompted to install the proxy server.

- Run the post installation script during the installation

- Verify the Pre-Installation Summary for the values entered and press ENTER to begin the Installation

```
[infamgr@p1l00573g mrmcleanse]$ ./hub_cleanse_install.bin -i console

Preparing to install

Extracting the installation resources from the installer archive...

Configuring the installer for this system's environment...


Launching installer...



===============================================================================

Choose Locale...
```

```
----------------


   1- Deutsch
 ->2- English
   3- Español
   4- Français
   5- Português  (Brasil)
   6- Русский
   7- ไทย
   8- 日本語
   9- 简体中文
  10- 한국어


Choose locale by number: 2
===============================================================================
Informatica Multidomain MDM Process Server      (created with InstallAnywhere)
-------------------------------------------------------------------------------


Preparing CONSOLE Mode Installation...




===============================================================================
Introduction
------------


The Informatica installer will guide you through the installation of
Informatica Multidomain MDM Process Server.


.


It is strongly recommended that you quit all programs before continuing with
this installation.


Respond to each prompt to proceed to the next step in the installation.  If
you want to change something on a previous step, type 'back'.


Cancel this installation at any time by typing 'quit'.
```

```
PRESS <ENTER> TO CONTINUE:




================================================================================
License Agreement
-----------------

Installation and Use of Informatica Multidomain MDM Process Server Requires
Acceptance of the Following License Agreement:

INFORMATICA LLC

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proprietary to and the confidential information of Informatica LLC and are the
subject to the intellectual property rights of Informatica LLC. All use,
disclosure, copying, transfer or storage of any of the foregoing, except as
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strictly prohibited.

BY CLICKING AGREE AND INSTALLING INFORMATICA MDM, YOU AGREE TO BE BOUND BY THE
PRODUCT USAGE TOOLKIT END USER LICENSE AGREEMENT, WHICH IS AVAILABLE AT:
http://www.informatica.com/us/eula/en-support-eula.aspx. AS FURTHER DESCRIBED
IN THE EULA, YOUR USE OF THE INFORMATICA MDM WILL ENABLE OUR PRODUCT USAGE
TOOLKIT TO COLLECT CERTAIN PRODUCT AND FAILURE INFORMATION. YOU MAY DISABLE
THIS FEATURE AT ANY TIME AS MORE FULLY DESCRIBED IN THE DOCUMENTATION.
After you install Informatica MDM, you can opt-out of data usage collection by
editing mdmsupport.properties file in the support directory within the
installation folder

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Informatica LLC
2100 Seaport Blvd,
Redwood City, CA 94063

```
USA

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Support [support@informatica.com]




DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? (Y/N): Y




===============================================================================
Choose Install Folder
---------------------


.
 Informatica Multidomain MDM Process Server.

Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/cleanse


ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : /opt/infa/mdm/hub/process


INSTALL FOLDER IS: /opt/infa/mdm/hub/process

   IS THIS CORRECT? (Y/N): y




===============================================================================
Enter Location of License File
------------------------------


Enter location of the Informatica MDM Hub Server license file.  The file will

be copied to the /opt/infa/mdm/hub/process/license folder.
```

```
License File Absolute Path: (Default: //siperian.license): /opt/jboss/sw_install/Hewlett-
Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license




================================================================================
Application Server
------------------


Choose the application server on which to install Informatica Multidomain MDM

Process Server.


  ->1- JBoss
    2- WebSphere
    3- WebLogic


ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




================================================================================
JBoss Application Server Home
-----------------------------


Enter the path for the application server home: (Example: /jboss)


Path (Default: /): /opt/jboss/jboss-eap-7.2




================================================================================
JBoss Application Server Configuration Name
-------------------------------------------


Specify JBoss Application Server Configuration Name (Example: all, default,

minimal, production). This setting is used by the installer to deploy the

Informatica Multidomain MDM Process Server to the JBoss Server.
```

```
Configuration Name  (Default: standalone):




===============================================================================
JBoss Application Server Port
-----------------------------


You can change the remote listener port for the application server. For JBoss,
the default remote listener port for EJB lookup is 4447.


Jboss Remote Port (Default: 4447):


Jboss management native port (Default: 9990):




===============================================================================
Configure AddressDoctor
-----------------------


The AddressDoctor parameters below are the default values. If you have
customized AddressDoctor configuration files, please edit the parameters below
and provide the paths to the customized configuration files. For more
information on these parameters, click the Help button.


Configuration File (Default:
   /opt/infa/mdm/hub/process/resources/AddressDoctor/5/SetConfig.xml):


Parameters File (Default:
   /opt/infa/mdm/hub/process/resources/AddressDoctor/5/Parameters.xml):


Default Correction Type (Default: PARAMETERS_DEFAULT):




===============================================================================
Product Usage Toolkit
```

```
--------------------


Enter environment type:


    1- Production

    2- Test/QA

    3- Development


ENTER THE NUMBER OF THE DESIRED CHOICE: 1




===============================================================================
Install Product Usage Toolkit
----------------------------


Does your network have a proxy server?


    1- Yes

  ->2- No


ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
Product Usage Toolkit
---------------------


Product Usage Toolkit will collect certain product and failure information.


PRESS <ENTER> TO CONTINUE:




===============================================================================
Deploy
------

```

```
This installation process will run the postInstallSetup.sh script in the
/opt/infa/mdm/hub/process directory.  This script deploys and configures the
Informatica MDM Hub Cleanse Match Server to run in JBoss.  You can choose to
run the script now or manually later.


Make sure the application server is started before running the script.

   ->1- Yes, run it during this installation.
     2- No, I will run it later.


ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1




==============================================================================
Pre-Installation Summary
-----------------------


Review the Following Before Continuing:


Product Name:
     Informatica Multidomain MDM Process Server


Install Folder:
     /opt/infa/mdm/hub/process


Appserver:
     JBoss


Product Usage Toolkit:
     $CSM_SUMMARY


Run Deploy?
     Yes


Disk Space Information (for Installation Target):
     Required:    340,207,597 Bytes
     Available: 5,698,670,592 Bytes


PRESS <ENTER> TO CONTINUE:
```

```
================================================================================
Installing...
-------------


  [=================|=================|================|=================]
  [-----------------|-----------------|----------------|-----------------]




================================================================================




Please Wait
-----------


Running PostInstall Setup Script ...
-


================================================================================
Warning
-------


Deploy Script Failed


Check the  postInstallSetup.log in /opt/infa/mdm/hub/process/logs.  Contact
support if necessary.


You can manually run /opt/infa/mdm/hub/process/postInstallSetup.sh after the
problem is resolved.


PRESS <ENTER> TO ACCEPT THE FOLLOWING (OK):




================================================================================
Install Complete
----------------
```

```
The installation of the  Informatica Multidomain MDM Process Server is

complete, but some errors occurred during the install.

   See the installation log for details.  Press Done to quit the installer.


PRESS <ENTER> TO EXIT THE INSTALLER:

cd[infamgr@p1l00573g mrmcleanse]$
```

- Run the Post Install Script.

```
[infamgr@p1l00573g process]$ ./postInstallSetup.sh

----------------------------------------------------------------

Current folder : /opt/infa/mdm/hub/process/bin

Current script : /opt/infa/mdm/hub/process/bin/sip_ant.sh

Parameters :

JBoss Home : /opt/jboss/jboss-eap-7.2

Siperian Home : /opt/infa/mdm/hub/process

Java Home : /opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64

Classpath : /opt/infa/mdm/hub/process/lib/ant.jar:/opt/infa/mdm/hub/process/lib/xml-
apis.jar:/opt/infa/mdm/hub/process/lib/xercesImpl.jar:/opt/infa/mdm/hub/process/lib/log4j-
1.2.16.jar:/opt/infa/mdm/hub/process/lib/siperian-common.jar:/opt/jboss/jboss-eap-
7.2/bin/client/jboss-cli-client.jar:/opt/jboss/jboss-eap-7.2/bin/client/jboss-
client.jar:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-
linux_x64/lib/rt.jar:/opt/jboss/java/zulu8.40.0.20-sa-jdk8.0.222-linux_x64/lib/i18n.jar

----------------------------------------------------------------

OpenJDK 64-Bit Server VM warning: ignoring option MaxPermSize=256m; support was removed in 8.0

Buildfile: /opt/infa/mdm/hub/process/bin/build.xml

*** DEPLOYMENT SUCCESSFUL ***


*** View execution results in log file :  ./logs/postInstallSetup.log ***


[infamgr@p1l00573g process]$ exit

exit


Script done on Wed 07 Jul 2021 01:10:38 PM UTC

[infamgr@p1l00573g mrmcleanse]$
```

9.2. Install Cleanse Server on Server 2

- Navigate to the /opt/jboss/jboss-eap-7.2/modules/com/informatica/mdm/jdbc/main directory and copy the sqljdbc4.jar from the Hub Server

```
[infamgr@p1l00574g mrmcleanse]$ cd /opt/jboss/jboss-eap-
7.2/modules/com/informatica/mdm/jdbc/main

[infamgr@p1l00574g main]$ ls -tlr
```

```
total 576

-rwxr-x--- 1 infamgr infamgr    296 Jul  7 12:53 module.xml

-rwxr-x--- 1 infamgr infamgr 584207 Jul  7 12:53 sqljdbc4.jar

[infamgr@p1l005g74 main]$
```

- Navigate to the /opt/jboss/jboss-eap-7.2/standalone/configuration/ directory and add the data sources to the standalone-full.xml

```
[infamgr@p1l00574g configuration]$ pwd

/opt/jboss/jboss-eap-7.2/standalone/configuration

[infamgr@p1l00574g configuration]$
```

- Go to */data/stage/linux/mrmcleanse/* and run the below script. ./hub_cleanse_install.bin

Field	Value
Installation directory	/opt/infa/mdm/hub/process
Location of the License File	/opt/jboss/sw_install/Hewlett-Packard_Company_MDM_V104_0083876_4-6-2020_3-01-12_PM.license
Application Server	p1l00574g.dc01.its.hpecorp.net
JBoss Installation Directory	/app/jboss/jboss-eap-7.2
Configuration Name	standalone
Remote Port	4447
Management Port	9990
Configuration File	default
Parameters File	default
Correction Type	PARAMETERS_DEFAULT
Industry	25
Environment	Production
Does your network have a proxy server?	no
Host	null
Port	null
Domain Name	null
User Name	null
Port	Null
Deploy process server?	yes

10. Post Installation Configuration

Post Installation for Node 1

Use the below URL and credential to Launch the Informatica MDM Hub Console.
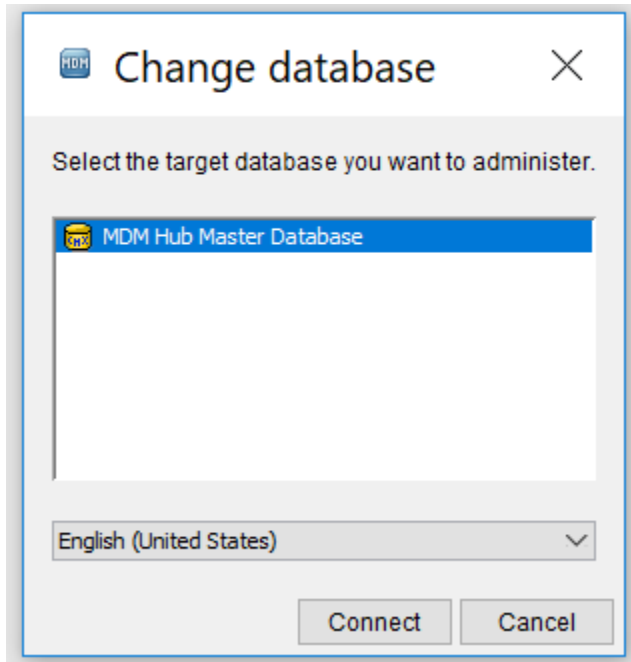
URL: https://p1l00569g.dc01.its.hpecorp.net:8543/cmx/

User: **admin**
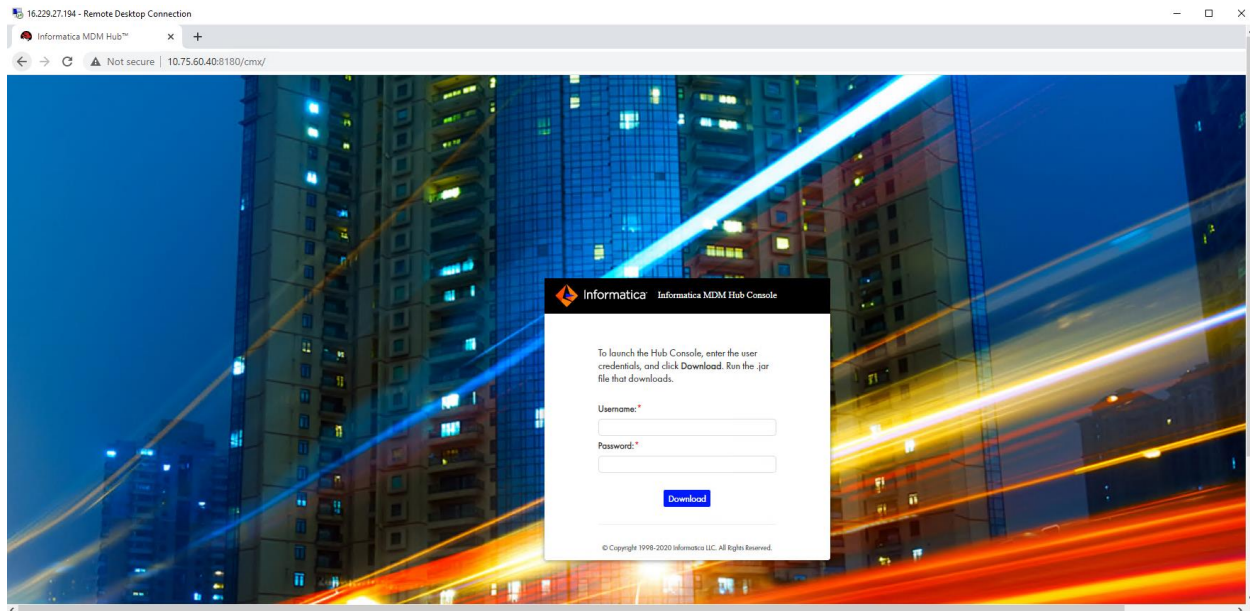
Login to the application to download the **HubConsole.jar** file and launch the same to login to MDM hub console.

Select target database and click Connect Target database is the **MDM Hub Master Database**.

9.1. Register ORS

After an Operational Reference Store (**CMX_ORS**) is created, register the ORS through the Hub Console.

1. Start the Hub Console. **Change database** dialog box appears.
2. Select **MDM Hub Master Database** and click **Connect**.
3. Start the **Databases** tool under the **Configuration** workbench.
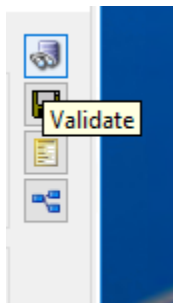4. Click **Write Lock** > **Acquire Lock**.
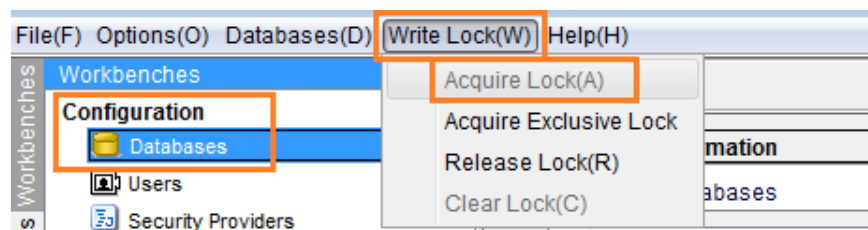
5. Click **Register database** button on the right. The Informatica MDM Hub Connection Wizard appears and prompts to select the database type.
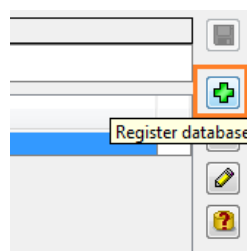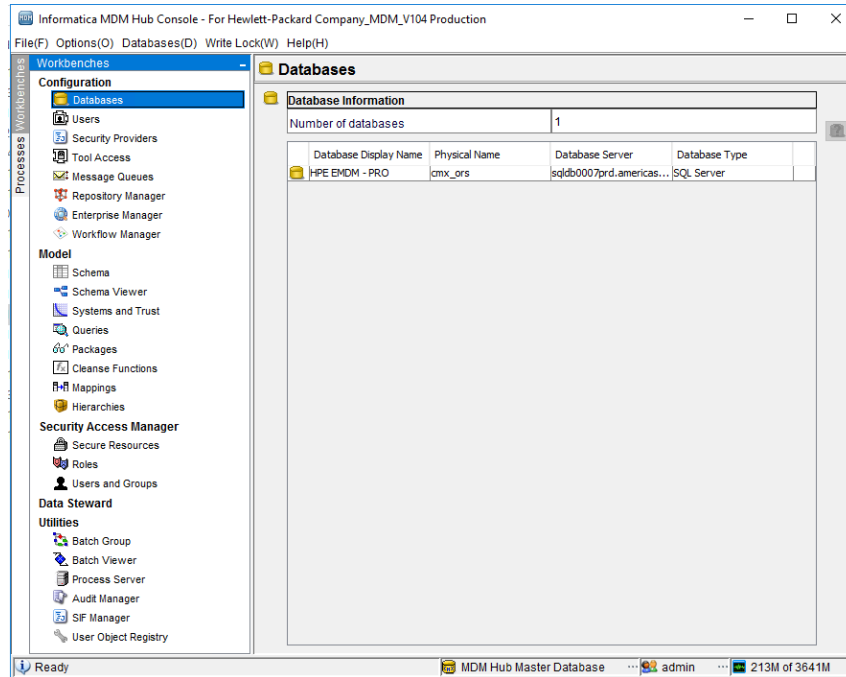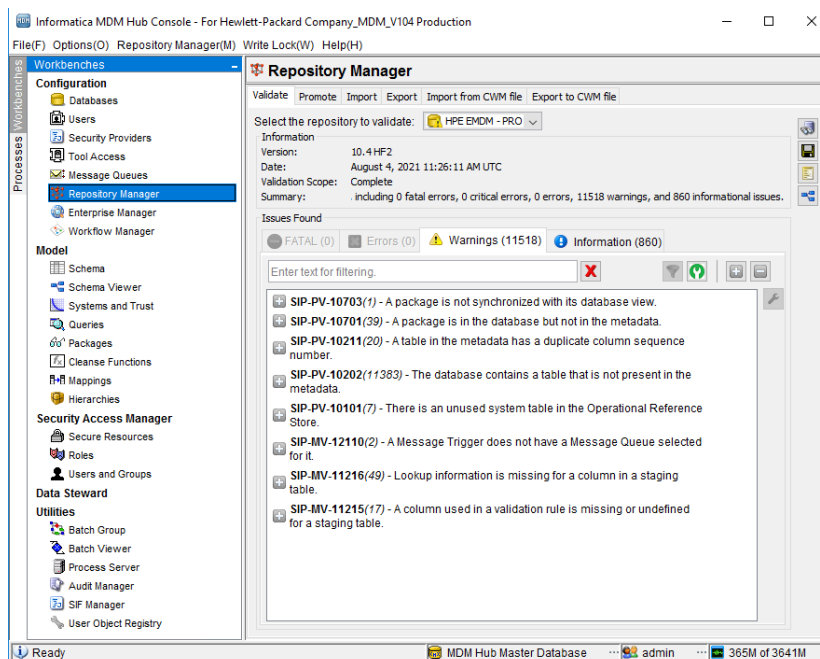
9.2. Validate ORS

Go to Repository Manager → Select the ORS and click on Validate icon at right top corner.
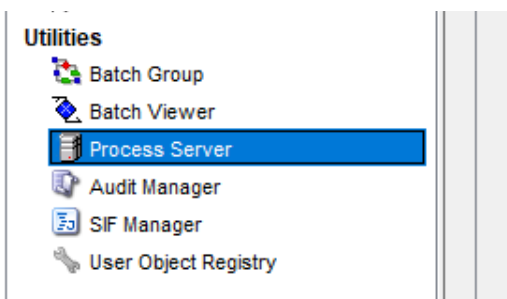
9.3. Configure Process server

Configure a Process Server for the MDM Hub implementation. Process Server is a servlet that cleanses data and processes batch jobs. Process Server is multithreaded so that each instance can process multiple requests concurrently.
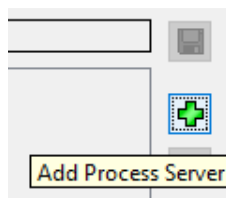
Add Process Server:

1. Click Process Server under utilities and switch to the ORS (**cmx_ors**)

2. Acquire write lock.
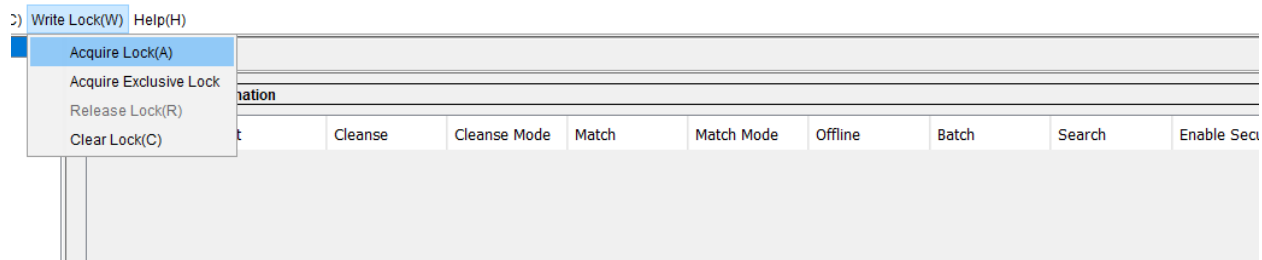
3. In the right pane of the Process Server tool, click the Add Process Server button to add a Process
   Server.

4. Add/Edit Process Server dialog box appear
5. Set the properties for the Process Server.
6. Click OK.
7. Click the Save.
8. Select the Process Server
9. Click the Test Process Server button to test the configuration.
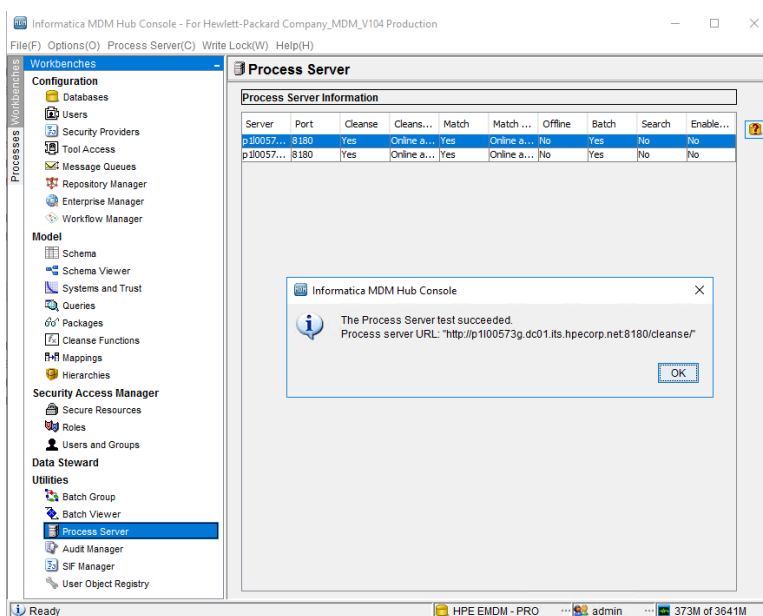
10. If the test succeeds, the Process Server tool displays a window showing the connection
    information and a success message.
11. Save the configuration.

9.4. Update URN Mappings in AVOS

Login to https:// p1l00569g.dc01.its.hpecorp.net:8180/activevos/home.action using avadmin user.

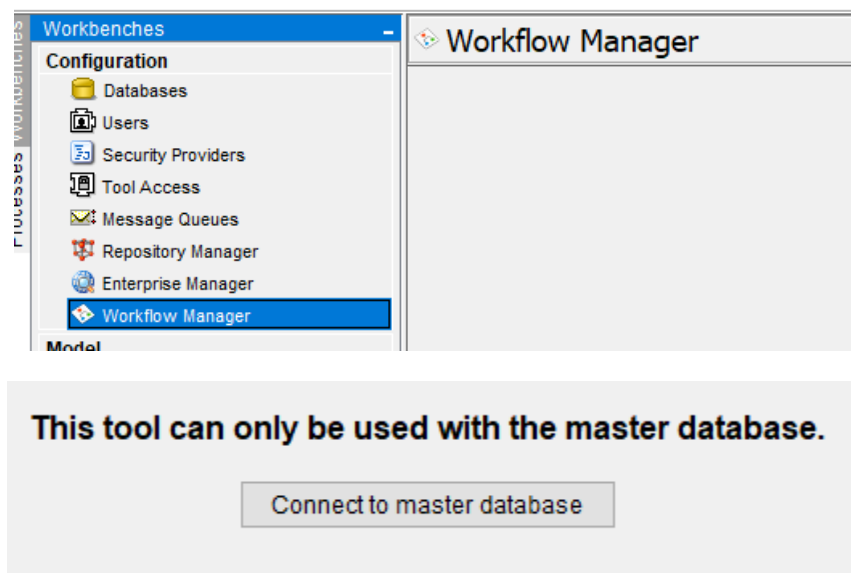| Username	Password
Avadmin	avos@dmin99#

Under URN Mappings tab, ensure all the URL's are using full host name as shown
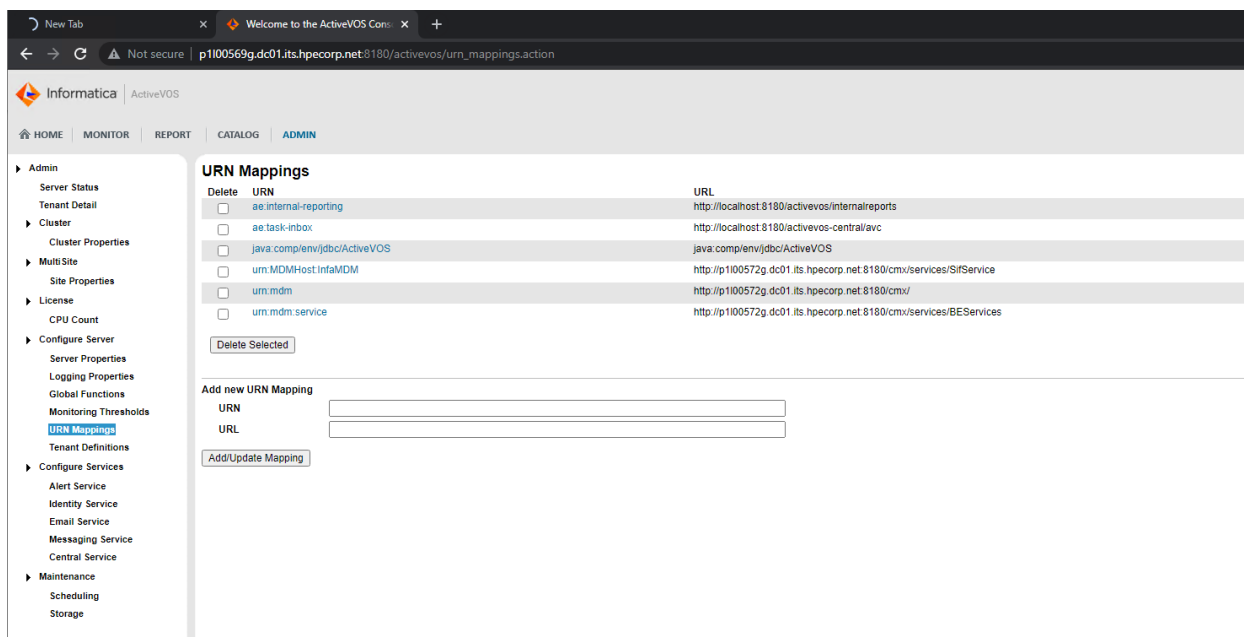
9.5. Configuring Workflow Engine

Click on Workflow manager in configuration workbench

1. In the Hub Console, click Workflow Manager in the Configuration workbench.
2. Acquire a write lock.
3. Select the Workflow Engines tab and click the Add button.

4. In the Add Workflow dialog box, enter the workflow engine properties.
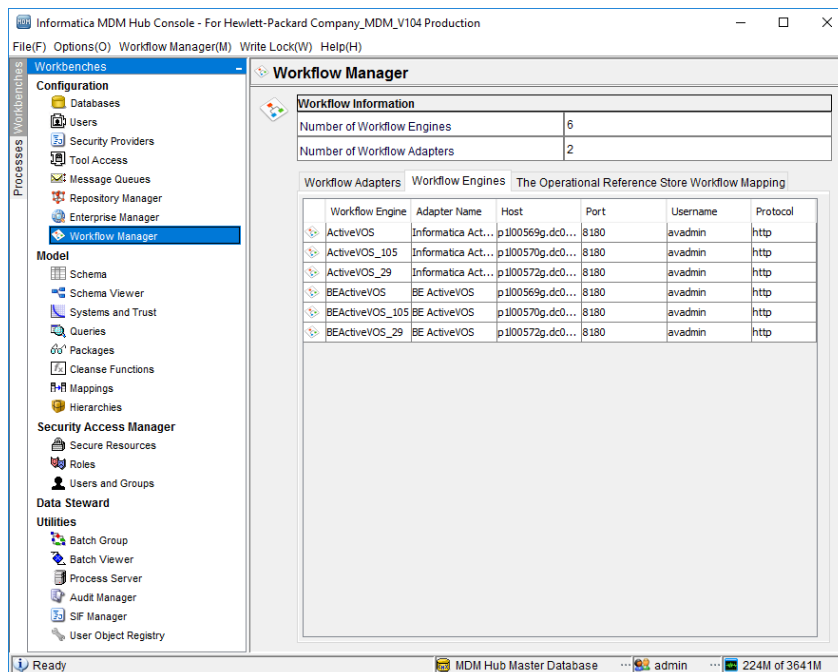
5. Set the Primary Workfow Engine as BEActiveVOS and keep Secondary Workflow Engine as Null
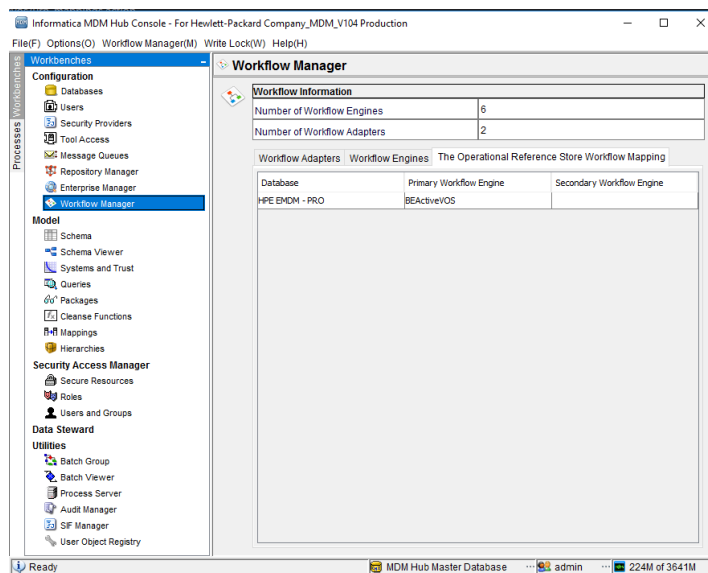
9.6. Configuring the MDM Identity Services for ActiveVOS

1. In the ActiveVOS console, select Admin > Configure Services > Identity Services.

2. In the Provider Configuration section, enable the Enable check box and select MDM from the Provider Type list.
3. In the Connection tab, enter the password of the MDM Hub user with the user name admin. Note: If you later change the password for the admin user, you must enter the new password in the ActiveVOS identity service settings.
4. Click Update.

5. Update Administrator password for the user "admin".
6. Create a Role in SAM and assign all privileges.
7. Assign Administrator Role to admin

10. Resource Kit Installation

- Navigate to the directory " /opt/jboss/sw_install/linux/mrmresourcekit" and run the command "./hub_resourcekit_install.bin -i console"
- Follow the installer set up with the below values

```
[infamgr@p1l00569g mrmresourcekit]$ ./hub_resourcekit_install.bin -i console

Preparing to install

Extracting the installation resources from the installer archive...

Configuring the installer for this system's environment...


Launching installer...


===============================================================================
Choose Locale...
---------------


    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- 日本語
    8- 简体中文
    9- 한국어


Choose locale by number: 2
===============================================================================
Informatica MDM Hub Resource Kit                (created with InstallAnywhere)
-------------------------------------------------------------------------------


Preparing CONSOLE Mode Installation...


===============================================================================
Introduction
------------
```

```
The Informatica Installer will guide you through the installation of the
Informatica MDM Hub Resource Kit.


Your application server should be up and running for the Informatica MDM Hub
Resource Kit deployment to be successful.
It is strongly recommended that you quit all other programs before continuing
with this installation.


Respond to each prompt to proceed to the next step in the installation.  If
you want to change something on a previous step, type 'back'.


You may cancel this installation at any time by typing 'quit'.


PRESS <ENTER> TO CONTINUE:




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After you install Informatica MDM, you can opt-out of data usage collection by
```

```
editing mdmsupport.properties file in the support directory within the
installation folder


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Installation Features

---------------------


Choose the features you would like to install.


  ->1- Sample Schema

  ->2- Samples and Utilities

  ->3- SIF SDK and Javadocs

  ->4- BPM SDK

  ->5- SSA Name3
```

```
  ->6- Security Library and Artifacts


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR

    PRESS <ENTER> TO ACCEPT THE DEFAULT: 2






===============================================================================
Information
-----------


You must create the Sample Schema and register it with the Informatica MDM Hub

Server before installing the sample applications.


PRESS <ENTER> TO ACCEPT THE FOLLOWING (OK):




===============================================================================
Choose Install Folder
---------------------


Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/resourcekit


ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT

       : /opt/infa/mdm/hub/resourcekit


INSTALL FOLDER IS: /opt/infa/mdm/hub/resourcekit

    IS THIS CORRECT? (Y/N): Y




===============================================================================
Choose Link Location
--------------------


Where would you like to create links?
```

```
   ->1- Default: /opt/infa/mdm/hub/resourcekit

     2- In your home folder

     3- Choose another location...


     4- Don't create links


ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
       : 1




===============================================================================
Configuration Selection
-----------------------


Do you want to install just sources of samples, or do you also want to
configure them? If you select Source only, samples can not be configured and
deployed later. For samples configuration, the application server and the hub
server should be running. Also, the sample schema should be registered with
the system database.

  ->1- Configure Samples
    2- Source only


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT:




Pre-Installation Summary
------------------------


Review the Following Before Continuing:


Product Name:
    Informatica MDM Hub Resource Kit


Install Folder:
    /opt/infa/mdm/hub/resourcekit
```

```
Link Folder:

    /opt/infa/mdm/hub/resourcekit


Auto Configure?

    No


Disk Space Information (for Installation Target):

    Required:    557,005,904 Bytes

    Available: 4,643,504,128 Bytes


PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------


  [=================|=================|=================|=================]
  [-----------------|-----------------|-----------------|-----------------]




===============================================================================
Installation Complete
---------------------


Informatica MDM Hub Resource Kit has been successfully installed to:


/opt/infa/mdm/hub/resourcekit




PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00569g mrmresourcekit]$
```

```
[infamgr@p1l00570g mrmresourcekit]$ ./hub_resourcekit_install.bin -i console
Preparing to install

Extracting the installation resources from the installer archive...

Configuring the installer for this system's environment...


Launching installer...
```

```
================================================================================
Choose Locale...
----------------


    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- 日本語
    8- 简体中文
    9- 한국어


Choose locale by number: 2
================================================================================
Informatica MDM Hub Resource Kit                (created with InstallAnywhere)
--------------------------------------------------------------------------------


Preparing CONSOLE Mode Installation...




================================================================================
Introduction
------------


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Your application server should be up and running for the Informatica MDM Hub
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It is strongly recommended that you quit all other programs before continuing
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You may cancel this installation at any time by typing 'quit'.
```

```
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editing mdmsupport.properties file in the support directory within the
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==============================================================================
Installation Features
---------------------


Choose the features you would like to install.

  ->1- Sample Schema

  ->2- Samples and Utilities

  ->3- SIF SDK and Javadocs

  ->4- BPM SDK

  ->5- SSA Name3

  ->6- Security Library and Artifacts


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
   PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




==============================================================================
Information
-----------


You must create the Sample Schema and register it with the Informatica MDM Hub
```

```
Server before installing the sample applications.


PRESS <ENTER> TO ACCEPT THE FOLLOWING (OK):




===============================================================================
Choose Install Folder
--------------------


Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/resourcekit


ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : /opt/infa/mdm/hub/resourcekit


INSTALL FOLDER IS: /opt/infa/mdm/hub/resourcekit
   IS THIS CORRECT? (Y/N): Y




===============================================================================
Choose Link Location
-------------------


Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/resourcekit
    2- In your home folder
    3- Choose another location...

    4- Don't create links


ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : 1




===============================================================================
Configuration Selection
```

```
----------------------

Do you want to install just sources of samples, or do you also want to
configure them? If you select Source only, samples can not be configured and
deployed later. For samples configuration, the application server and the hub
server should be running. Also, the sample schema should be registered with
the system database.

  ->1- Configure Samples
    2- Source only


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
    PRESS <ENTER> TO ACCEPT THE DEFAULT:




Pre-Installation Summary
-----------------------


Review the Following Before Continuing:


Product Name:
    Informatica MDM Hub Resource Kit


Install Folder:
    /opt/infa/mdm/hub/resourcekit


Link Folder:
    /opt/infa/mdm/hub/resourcekit


Auto Configure?
    No


Disk Space Information (for Installation Target):
    Required:    557,005,904 Bytes
    Available: 4,643,504,128 Bytes


PRESS <ENTER> TO CONTINUE:
```

```
================================================================================
Installing...
-------------


  [=================|=================|=================|=================]
  [-----------------|-----------------|-----------------|-----------------]




================================================================================
Installation Complete
---------------------


Informatica MDM Hub Resource Kit has been successfully installed to:


/opt/infa/mdm/hub/resourcekit




PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00570g mrmresourcekit]$
```

```
[infamgr@p1l00571g mrmresourcekit]$ ./hub_resourcekit_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...


Launching installer...


================================================================================
Choose Locale...
---------------


    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- 日本語
    8- 简体中文
```

```
    9- 한국어


Choose locale by number: 2
================================================================================
Informatica MDM Hub Resource Kit                    (created with InstallAnywhere)
--------------------------------------------------------------------------------


Preparing CONSOLE Mode Installation...




================================================================================
Introduction
------------


The Informatica Installer will guide you through the installation of the
Informatica MDM Hub Resource Kit.


Your application server should be up and running for the Informatica MDM Hub
Resource Kit deployment to be successful.
It is strongly recommended that you quit all other programs before continuing
with this installation.


Respond to each prompt to proceed to the next step in the installation.  If
you want to change something on a previous step, type 'back'.


You may cancel this installation at any time by typing 'quit'.


PRESS <ENTER> TO CONTINUE:




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===============================================================================
Installation Features
---------------------


Choose the features you would like to install.

  ->1- Sample Schema

  ->2- Samples and Utilities

  ->3- SIF SDK and Javadocs

  ->4- BPM SDK

  ->5- SSA Name3

  ->6- Security Library and Artifacts


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR
    PRESS <ENTER> TO ACCEPT THE DEFAULT: 2





===============================================================================
Information
-----------


You must create the Sample Schema and register it with the Informatica MDM Hub
Server before installing the sample applications.


PRESS <ENTER> TO ACCEPT THE FOLLOWING (OK):




===============================================================================
Choose Install Folder
---------------------


Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/resourcekit
```

```
ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
     : /opt/infa/mdm/hub/resourcekit


INSTALL FOLDER IS: /opt/infa/mdm/hub/resourcekit

   IS THIS CORRECT? (Y/N): Y




===============================================================================
Choose Link Location
--------------------


Where would you like to create links?

  ->1- Default: /opt/infa/mdm/hub/resourcekit

    2- In your home folder

    3- Choose another location...


    4- Don't create links


ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
     : 1




===============================================================================
Configuration Selection
----------------------


Do you want to install just sources of samples, or do you also want to

configure them? If you select Source only, samples can not be configured and

deployed later. For samples configuration, the application server and the hub

server should be running. Also, the sample schema should be registered with

the system database.


  ->1- Configure Samples

    2- Source only


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR

   PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

```
Pre-Installation Summary
------------------------


Review the Following Before Continuing:


Product Name:

    Informatica MDM Hub Resource Kit


Install Folder:

    /opt/infa/mdm/hub/resourcekit


Link Folder:

    /opt/infa/mdm/hub/resourcekit


Auto Configure?

    No


Disk Space Information (for Installation Target):

    Required:    557,005,904 Bytes

    Available: 4,643,504,128 Bytes


PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------


  [==================|==================|==================|==================]
  [------------------|------------------|------------------|------------------]




===============================================================================
Installation Complete
---------------------
```

```
Informatica MDM Hub Resource Kit has been successfully installed to:


/opt/infa/mdm/hub/resourcekit




PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00571g mrmresourcekit]$
```

```
[infamgr@p1l00572g mrmresourcekit]$ ./hub_resourcekit_install.bin -i console
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...


Launching installer...


===============================================================================
Choose Locale...
----------------


    1- Deutsch
  ->2- English
    3- Español
    4- Français
    5- Português  (Brasil)
    6- Русский
    7- 日本語
    8- 简体中文
    9- 한국어


Choose locale by number: 2
===============================================================================
Informatica MDM Hub Resource Kit                 (created with InstallAnywhere)
-------------------------------------------------------------------------------


Preparing CONSOLE Mode Installation...




===============================================================================
```

```
Introduction
------------


The Informatica Installer will guide you through the installation of the
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Your application server should be up and running for the Informatica MDM Hub
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It is strongly recommended that you quit all other programs before continuing
with this installation.


Respond to each prompt to proceed to the next step in the installation.  If
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```

```
THIS FEATURE AT ANY TIME AS MORE FULLY DESCRIBED IN THE DOCUMENTATION.
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editing mdmsupport.properties file in the support directory within the
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Contact


For questions or comments, please contact us at:


Informatica LLC

2100 Seaport Blvd,

Redwood City, CA 94063

USA

Phone: +1 650-385-5000


PRESS <ENTER> TO CONTINUE:



www.informatica.com

Email: [info@informatica.com ]

Support [support@informatica.com]




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===============================================================================

Installation Features

---------------------


Choose the features you would like to install.


  ->1- Sample Schema

  ->2- Samples and Utilities

  ->3- SIF SDK and Javadocs
```

```
   ->4- BPM SDK

   ->5- SSA Name3

   ->6- Security Library and Artifacts


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR

    PRESS <ENTER> TO ACCEPT THE DEFAULT: 2




===============================================================================
Information
-----------


You must create the Sample Schema and register it with the Informatica MDM Hub

Server before installing the sample applications.


PRESS <ENTER> TO ACCEPT THE FOLLOWING (OK):




===============================================================================
Choose Install Folder
---------------------


Where would you like to install?

  Default Install Folder: /home/infamgr/infamdm/hub/resourcekit


ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : /opt/infa/mdm/hub/resourcekit


INSTALL FOLDER IS: /opt/infa/mdm/hub/resourcekit
    IS THIS CORRECT? (Y/N): Y




===============================================================================
Choose Link Location
--------------------
```

```
Where would you like to create links?


  ->1- Default: /opt/infa/mdm/hub/resourcekit

    2- In your home folder

    3- Choose another location...


    4- Don't create links


ENTER THE NUMBER OF AN OPTION ABOVE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
      : 1




===============================================================================
Configuration Selection
-----------------------


Do you want to install just sources of samples, or do you also want to

configure them? If you select Source only, samples can not be configured and

deployed later. For samples configuration, the application server and the hub

server should be running. Also, the sample schema should be registered with

the system database.


  ->1- Configure Samples

    2- Source only


ENTER A COMMA-SEPARATED LIST OF NUMBERS REPRESENTING THE DESIRED CHOICES, OR

   PRESS <ENTER> TO ACCEPT THE DEFAULT:




Pre-Installation Summary
------------------------


Review the Following Before Continuing:


Product Name:

    Informatica MDM Hub Resource Kit


Install Folder:
```

```
                /opt/infa/mdm/hub/resourcekit


Link Folder:

                /opt/infa/mdm/hub/resourcekit


Auto Configure?

        No


Disk Space Information (for Installation Target):

        Required:     557,005,904 Bytes

        Available: 4,643,504,128 Bytes


PRESS <ENTER> TO CONTINUE:




===============================================================================
Installing...
-------------


  [=================|=================|=================|==================]
  [-----------------|-----------------|-----------------|------------------]




===============================================================================
Installation Complete
---------------------


Informatica MDM Hub Resource Kit has been successfully installed to:


/opt/infa/mdm/hub/resourcekit




PRESS <ENTER> TO EXIT THE INSTALLER:
[infamgr@p1l00572g mrmresourcekit]$
```

11. Lessons Learned
a. <u>Lesson 1</u>

Unable to log into the HUB Console and Data Director Console after upgrade

Root Cause

We are not able to login to IDD because of out of date schema/SDO objects.

Resolution

Go to Hub > SIF Manager > SIF API Manager > Remove ORS-Specific APIs . Refersh Object
Status > Select All Objects > Generate and Deploy ORS-Specific SIF APIs. Validate the ORS
from Hub. Login to IDD . Clear the IDD cache, validate and redeploy the idd app if present.

b. Lesson 2

We are facing below error while running the Tokenization job for Party table,

Error Message

```
Current status: SIP-16126: Error occurred during Hub process Tokenize. Error was no jssan3cl in
java.library.path.
Tokenize; no jssan3cl in java.library.path;
```

Root Cause

The LD_LIBRARY Path was not set. The Path in the standalone.sh file was /opt/infa/hub/cleanse/

Resolution

Change the standalone.sh file to /opt/infa/hub/process and restart the server

c. **Lesson 3**

ORS Validation is failing with the error SIP-PV-10000 - Unable to load Informatica MDM metadata.

Root Cause

This issue occurs if tasks are assigned to users instead of role

Resolution

Delete the entries from C_REPOS_TASK_ASSIGNMENT_CONF table of ORS and then validate the ORS.
Once the ORS is validated, change the tasks assigned to users in the BDD application config and assign the task type to a role

d. **Lesson 4**

SIF Refresh is not working after ORS Validation after Upgrade from 10.2 to 10.4 HF2

Root Cause

This issue occurs if the MDM_PUBLISH database is not present in the database.

Resolution

When taking a backup of the cmx_ors database, also take a backup of the MDM_PUBLISH database to transfer. Also add the MDM_PUBLISH datasource in the standalone-full.xml file.

12.   Admin Contacts:

First Name	Last Name	Deloitte ID	Role	Working Hours
Vikrant	Singh Chauhan	**vsinghchauhan@deloitte.com**	Offshore Admin	2PM – 11 PM IST
Gaurav	Kumar	**gauravkumar47@deloitte.com**	Offshore Admin	2PM – 11 PM IST
Jalal	Chowdhury	**jachowdhury@deloitte.com**	Onsite Admin	9:30 PM – 5:30 AM IST

Thank You!