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Informatica Data Quality (IDQ) 10.4.1 Installation Guide for SIT environment
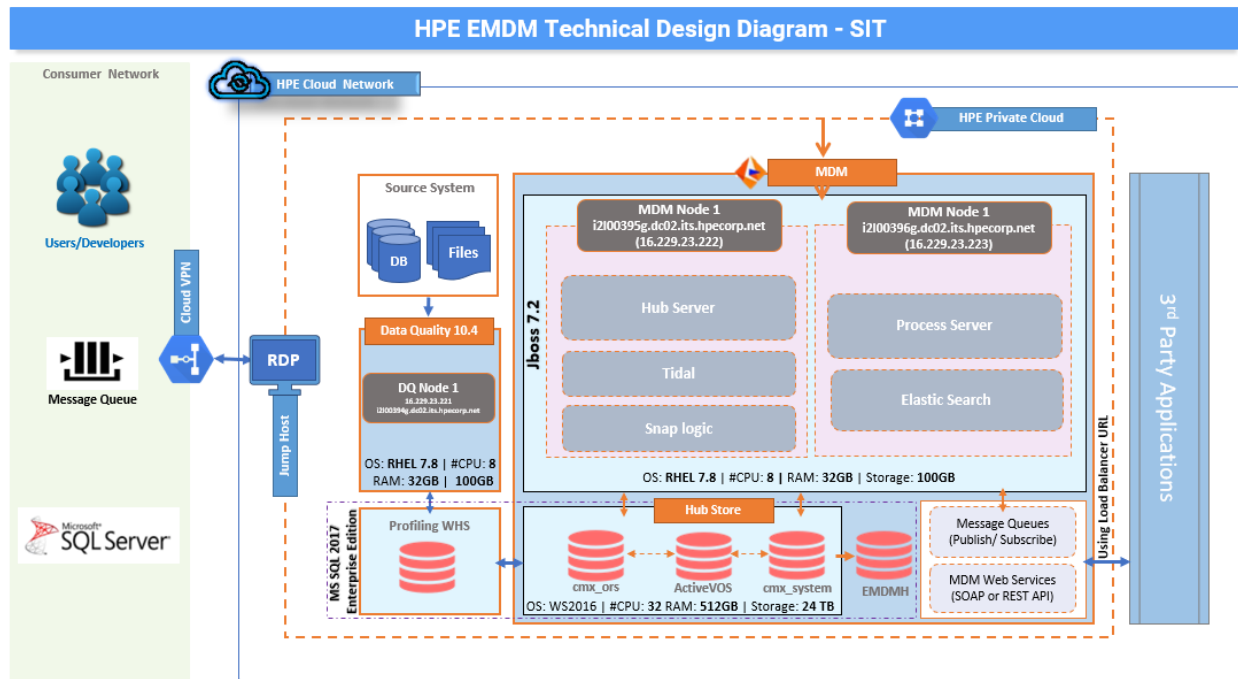
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Contents

1. Assumptions

- All the OS level pre-requisites have already been taken care of.
- We are using Linux Version: Red Hat Enterprise 7.7

2. Environment Configuration

2.1 System Architecture

The following system architecture is in plan for the project for SIT environment

2.2 Environment Configuration

IP	Host Name	Application
16.229.23.221	i2l00394g.dc02.its.hpecorp.net	Data Quality Node
16.229.23.222	i2l00395g.dc02.its.hpecorp.net	MDM Node
16.229.23.223	i2l00396g.dc02.its.hpecorp.net	SIT/ITG MDM Process and Search
10.75.60.82	s2wg10985.americas.hpqcorp.net	SQL Database
16.229.27.194	P2WOO21OG	RDP

3. Create Folder Structure

Make below folder structure in IDQ Server

- /opt/infa/sw_install
- /opt/infa/idq1041/

4. Prepare the Installer

- Download the binary files for Informatica Data Quality 10.2.0 and place the files in the /opt/infa/sw_install/1020 directory
- Extract the binary file.

5. Run Pre-Installation System Check Tool(i10Pi) for Informatica 10.2

1. Run the installation file install.sh from the infamgr service account.
2. Enter Y to continue System Check
3. Choose 1 to start the Pre-Installation Steps and press Enter

```
[infamgr@i2l00394g 102_idq]$./install.sh
OS detected is Linux

\*****************************************************************************
\* Welcome to the Informatica 10.2.0 Server Installer.  *
\*****************************************************************************



Before you continue, read the following documents:
* Informatica 10.2.0 Installation Guide, Informatica Release Guide and Informatica Release
Notes.
* B2B Data Transformation 10.2.0 Installation, Configuration Guide and Release Notes.

You can find the 10.2.0 documentation in the Product Documentation section at
https://network.informatica.com/.

Configure the LANG and LC_ALL variables to generate the appropriate code pages and
create and connect to repositories and Repository Services.
Do you want to continue? (Y/N)Y
The installer requires Linux version 2.6.32-431 or later versions of the 2.6.32 series or
version 3.10.0-0 or later versions of the 3.10.0 series.
The current operating system Linux version 3.10.0-1127.
Current operating system meets minimum requirements.

Select one of the following options to install or upgrade:

  1. Install Informatica.
   .Choose this option if one of the following conditions is true:
    * You want to install Informatica services on a machine that does not have Informatica
version 10.2.0.
     * You want to install Enterprise Information Catalog version 10.2.0.


  2. Upgrade Informatica.
    .Choose this option if one of the following conditions is true:
```

```
    * You want to upgrade the Informatica services on a machine that has Informatica version
10.1.1 or an earlier version installed.
    * You want to upgrade Enterprise Information Catalog version 10.1.1 or an earlier version
installed.


   3. Install or upgrade Data Transformation Engine Only.
    Choose this option to install or upgrade only Data Transformation Engine.

Enter the choice(1 or 2 or 3):1

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

4. Enter the installation directory and the port number(default) as below and select Enter.

Informatica Installation directory	/opt/infa/idq
Informatica Starting Port Number	6005

```
-----------------------------------------------------------
Checking for an Informatica 10.2.0 installation.
To verify whether the machine meets the system requirements for the Informatica installation
or upgrade, run the Pre-Installation (i10PreInstallChecker) System Check Tool before you
start the installation or upgrade process. Informatica recommends that you verify the minimum
system requirements.


Select one of the following options:
1. Run the Pre-Installation (i10PreInstallChecker) System Check Tool
2. Run the Informatica Kerberos SPN Format Generator
3. Run the Informatica services installation
Select the option to proceed : (Default : 3)1
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...


************************************************************************************************
***********
Welcome - Step 1 of 4
************************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]

Informatica Pre-Installation (i10PreInstallChecker) System Check Tool

The Pre-Installation (i10PreInstallChecker) System Check Tool verifies the minimum system
and database requirements for the Informatica services installation or upgrade.




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Press <Enter> to continue ...
```

```
*****************************************************************************************
***********
System Information - Step 2 of 4
*****************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Informatica installation directory: (default :- /home/infamgr) :/opt/idq/infa/idq

Informatica starting port number: (default :- 6005) :
```

5. To configure the database for the domain configuration repository, enter the values as shown below

Database type	SQL Server
Database user ID	HPE_DOM_USER
User Password	HPE_DOM@PWD1
Specify Schema Name	1
Secure database	2
Configure the database connection	JDBC URL
Database address	d2wg10984.americas.hpqcorp.net:1155
Database service name	HPE_DOM_DB
Configure JDBC Parameters	1

```
*****************************************************************************************
***********
Database and JDBC Connection Information - Step 3 of 4
*****************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]


Configure the database for the domain configuration repository:

Database type:
    * 1->Oracle
      2->SQLServer
      3->DB2
      4->Sybase
(Default: 1):2

Database user ID: (default :- admin) :samdm

User password: :

Specify Schema Name
    * 1->No
      2->Yes
(Default: 1):

Secure database
      1->Yes
    * 2->No
(Default: 2):

Configure the database connection
    * 1->JDBC URL
      2->Custom JDBC Connection String
(Default: 1):1
```

```
Database address: (default :- host_name:port_no) :s2wg10985.americas.hpqcorp.net:1154

Database service name: (default :- DatabaseName) :HPE_DOM_DB

Configure JDBC parameters
    * 1->Yes
      2->No
(Default: 1):1

JDBC parameters (default :- SnapshotSerializable=true) :
```

6. The pre-installation checklist results will appear as below. Click on Done to complete the Pre-check

```
*********************************************************************************************
***********
System Check Summary - Step 4 of 4
*********************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]

Informatica Pre-Installation (i10PreInstallChecker) System Check Tool Results
[Pass] Disk Space: Available disk space is 252,374 MB. Sufficient for the Informatica
installation.
[Pass] Processors: Available number of processors is 8. Sufficient for the Informatica
installation.
[Pass] Physical Memory: Available physical memory is 32,779 MB. Sufficient for the
Informatica installation.
[Pass] Temporary Space: Available temporary disk space is 252,374 MB. Sufficient for the
Informatica installation.
[Pass] Ports: Port range is 6,005 - 6,009. All port numbers within the port range are
available for the Informatica installation.
[Pass] Locale Environment Variable: The LANG environment variable is set to language
en_US.UTF-8. The LC_ALL environment variable is set to language null. Sufficient for the
Informatica installation.
[Pass] JRE_HOME Environment Variable: The JRE_HOME environment variable does not contain a
value. Sufficient for the Informatica installation.
[Pass] File Descriptor Limits: The file descriptor limits per process is 200000. Sufficient
for the Informatica installation.
[Pass] CREATE TABLE Privilege: The database user account has the CREATE TABLE privilege.
The installer successfully created a database table.
[Pass] INSERT RECORD Privilege: The installer successfully inserted a record into database
table.
[Pass] DELETE RECORD Privilage: The installer successfully deleted a record from database
table.
[Pass] CREATE VIEW Privilege: The database user account has the CREATE VIEW privilege. The
installer successfully created a database view.
[Pass] DROP VIEW Privilege: The database user account has the DROP VIEW privilege. The
installer successfully dropped a database view.
[Pass] DROP TABLE Privilege: The database user account has the DROP TABLE privilege. The
installer successfully dropped a database table.
[Pass] SQL Server READ COMMITTED Isolation Level: The SQL Server READ COMMITTED isolation
level for the database is set to ON. Sufficient for the Informatica installation.
[Pass] SQL Server Case Sensitivity: The SQL Server instance is not case-sensitive.
Sufficient for the Informatica installation.
[Information] Informatica Installation Directory: /opt/infa/idq
[Information] Informatica Starting Port Number: 6005
[Information] Database Type: SQLServer
[Information] Database User ID: samdm
[Information] Database Host Name: s2wg10985.americas.hpqcorp.net
[Information] Database Port Number: 1154
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[Information] Database Service Name: HPE_DOM_DB
[Information] Operating System: Operating system is Linux. Operating system version is
3.10.0-1127.19.1.el7.x86_64.
[Information] RAM: The memory module size is 32,779 MB.
[Information] Virtual Memory: Virtual Memory is set to unlimited.

Press Enter to quit the pre-installation system check...
1. Run the Informatica Kerberos SPN Format Generator
2. Run the Informatica services installation
Select the option to proceed : (Default : 2)
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...
```

All tests are Passed

6. Installing Informatica 10.2

1. Navigate to the /opt/sw_install/10.2/ directory
2. Run the installation file install.sh from the infamgr service account.
3. Agree to the terms and conditions

```
********************************************************************************************
***********
Welcome - Step 1 of 9
********************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]


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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 PLATFORM WILL ENABLE THE PRODUCT USAGE TOOLKIT TO COLLECT
CERTAIN PRODUCT USAGE AND FAILURE INFORMATION. YOU MAY DISABLE THIS FEATURE AT ANY TIME.
FOR MORE INFORMATION ON HOW TO DISABLE THIS FEATURE, SEE THE INFORMATICA ADMINISTRATOR
GUIDE.

I agree to the terms and conditions
    *  1->No
       2->Yes
(Default: 1):2
```

4. After verifying the installation pre-requisites press Enter

```
********************************************************************************************
***********
Component Selection - Step 1A of 9
********************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]
```

```
Select one of the following options to install Informatica 10.2.0 services or Informatica
Enterprise Information Catalog version 10.2.0:
    * 1->Install Informatica Services.
Select this option to install Informatica Services version 10.2.0.
      2->Install Informatica Enterprise Information Catalog.
Select this option install Informatica Enterprise Information Catalog version 10.2.0.
(Default: 1):

Enable Kerberos network authentication for the Informatica domain.
    * 1->No
      2->Yes
(Default: 1):


*********************************************************************************************
***********
Installation Prerequisites - Step 2 of 9
*********************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]

Verify the installation prerequisites and complete the
pre-installation tasks before you continue.

Disk Space: 13 GB

Memory(RAM): 6 GB

Database Requirements
- Verify the Oracle, IBM DB2, Microsoft SQL Server, or Sybase ASE database version.
- Verify the database user account. The account must have following permissions on the
domain configuration
repository, reference data warehouse, and Sybase ASE(applies only to the domain
connection):
- Create tables and views.
- Drop tables and views.
- Insert, update and delete data.

Pre-installation Tasks
- Get the Informatica license key.
- Verify the minimum system requirements.
- Set the environment variables.
- Verify the port availability.
- Set up the keystore file.
- On UNIX, set the file descriptor limit.
- On UNIX, configure POSIX asynchronous I/O.
- Download and extract the Informatica installer files.

Press <Enter> to continue ...
```

5. Enter the path to the license key and the installation directory. Choose 1 for Kerberos Authentication as we aren't using Kerberos Authentication

```
*********************************************************************************************
***********
License and Installation Directory - Step 3 of 9
*********************************************************************************************
***********
```

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```
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Enter     the     license     key     file:     (default     :-     /home/infamgr/license.key)
:/opt/infa/sw_install/Hewlett-Packard_Company-SE-V1041-Dev_0072361_207339.key

Enter the installation directory: (default :- /opt/infa/idq) :


*********************************************************************************************
***********
Pre-Installation Summary - Step 4 of 9
*********************************************************************************************
***********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Product Name          :        Informatica 10.2.0

Installation Type     :        New Installation

Installation Directory :       /opt/infa/idq

Disk Space Requirements:

Required Disk Space   :        11,563 MB

Available Disk Space  :        251,896 MB

Press <Enter> to continue ...
```

6. Select Enter continue with the Informatica installation

7. Once the installation of Informatica services is complete, the next step appears for domain creation. Exit the Installation process by selecting the ' Ctrl + C '

```
*********************************************************************************************
**********
Installing - Step 5 of 9
*********************************************************************************************
**********


Installing... 5%

Installing... 10%

Installing... 15%

Installing... 20%

Installing... 25%

Installing... 30%

Installing... 35%

Installing... 40%
```

```
Installing... 45%

Installing... 50%

Installing... 55%

Installing... 60%

Installing... 65%

Installing... 70%

Installing... 75%

Installing... 80%

Installing... 85%

Installing... 90%

Installing... 95%

Installing... 100%

***********************************************************************************************
**********
Domain Selection - Step 5A of 9
***********************************************************************************************
**********
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]

    * 1->Create a domain
      2->Join a domain
(Default: 1):^C;infamgr@i2l00394g:/opt/infa/sw_install/102_idq[infamgr@i2l00394g 102_idq]$
```

8. Copy the Sitekey from the DXC DEV server to the /opt/idq/isp/config folder in the COLO DEV
    Server

9. Navigate to the directory /opt/infa/idq/ODBC7.1/ and take a backup of the odbc.ini and copy the
    odbc.ini from the DXC server to the COLO Server and change the permissions of the file.

```
[infamgr@i2l00394g ODBC7.1]$ ls -ltr odbc.ini
-rw-r----- 1 infamgr infamgr 7921 May 13 13:20 odbc.ini
[infamgr@i2l00394g ODBC7.1]$ pwd
/opt/infa/idq/ODBC7.1
[infamgr@i2l00394g ODBC7.1]$
```

10. Copy the Default.keystore file from the DXC server to the $INFA_HOME/idq/tomcat/conf
    directory of the COLO servers

```
[infamgr@i2l00394g conf]$ pwd
/opt/infa/idq/tomcat/conf
[infamgr@i2l00394g conf]$ ls -ltr /opt/infa/idq/tomcat/conf/Default.keystore
-rwxrwxr-x 1 infamgr infamgr 3033 Mar 17 15:33 /opt/infa/idq/tomcat/conf/Default.keystore
[infamgr@i2l00394g conf]$
```

11. Restore Domain and Restore Gateway Node by running the DefineGatewayNode command in the $INFA_HOME/isp/bin

```
[infamgr@i2l00394g        bin]$$        ./infasetup.sh        RestoreDomain      -da
s2wg10985.americas.hpqcorp.net:1154 -du HPE_DOM_USER -dp HPE_DOM@PWD1 -dt mssqlserver -bf
/opt/infa/sw_install/INFA_DOMAIN_SQL.mrep
Command ran successfully.
[infamgr@i2l00394gbin]$           ./infasetup.sh           definegatewaynode        -da
s2wg10985.americas.hpqcorp.net:1154 -du HPE_DOM_USER -dp 'HPE_DOM@PWD1' -dt MSSQLSERVER -ds
HPE_DOM_DB -dn DOM_HPE_ITG -nn NODE01_HPE_ITG -na i2l00394g.dc02.its.hpecorp.net:6006 -ld
/opt/infa/idq/isp/log   -rf   /opt/infa/idq/isp/bin/nodeoptions.xml   -hs   8443   -kf
/opt/infa/idq/tomcat/conf/Default.keystore -kp emdm_dev -tls true
Command ran successfully.
[infamgr@i2l00394g bin]$
```

12. The Informatica installation is complete. Start the IDQ installers and The admin console is up and running.The admin console can be accessed using the URL:

```
[infamgr@i2l00394g bin]$ ./infaservice.sh startup
Starting Informatica services on node 'NODE01_HPE_ITG'
Using CURRENT_DIR:    /opt/infa/idq/tomcat/bin
Using INFA_HOME:      /opt/infa/idq
Using System log directory :  /opt/infa/idq/logs/NODE01_HPE_ITG
[infamgr@i2l00394g bin]$
```

https:// i2l00394g.dc02.its.hpecorp.net:8443/administrator

7. Post-Installation Steps for Informatica IDQ 10.2

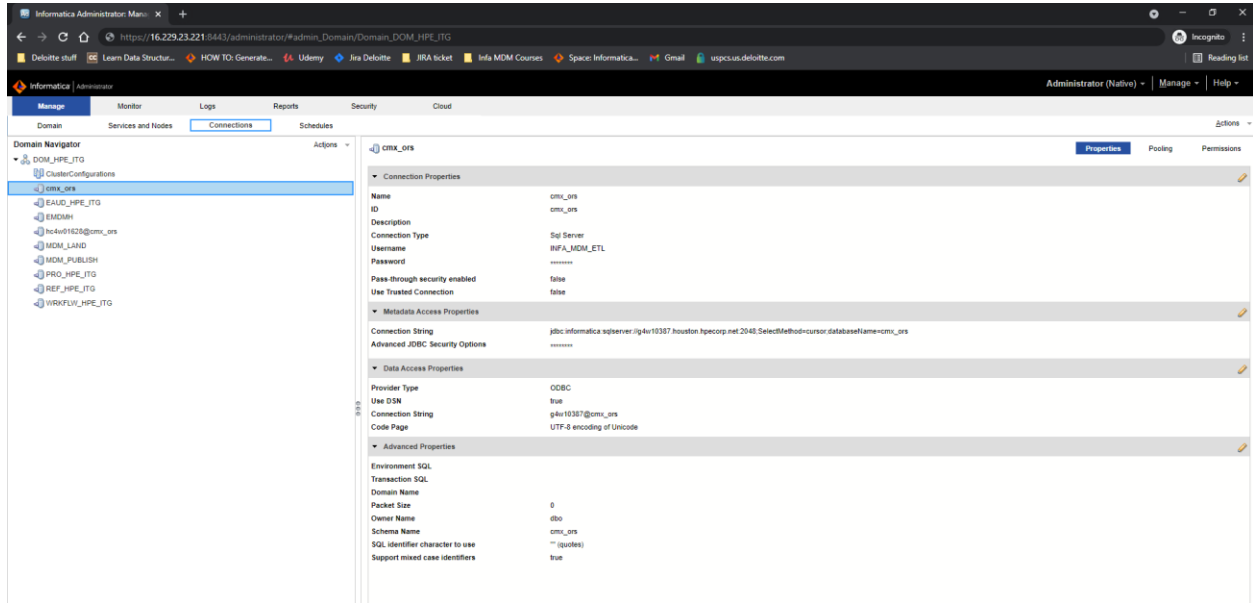1. Open the URL **https://i2l00394g.dc02.its.hpecorp.net:8443/administrator** and login using the colo_migration user credentials (colo_migration/colo_migration)

2. All services will be down when logging in for the first time, but the NODE will be up and available.
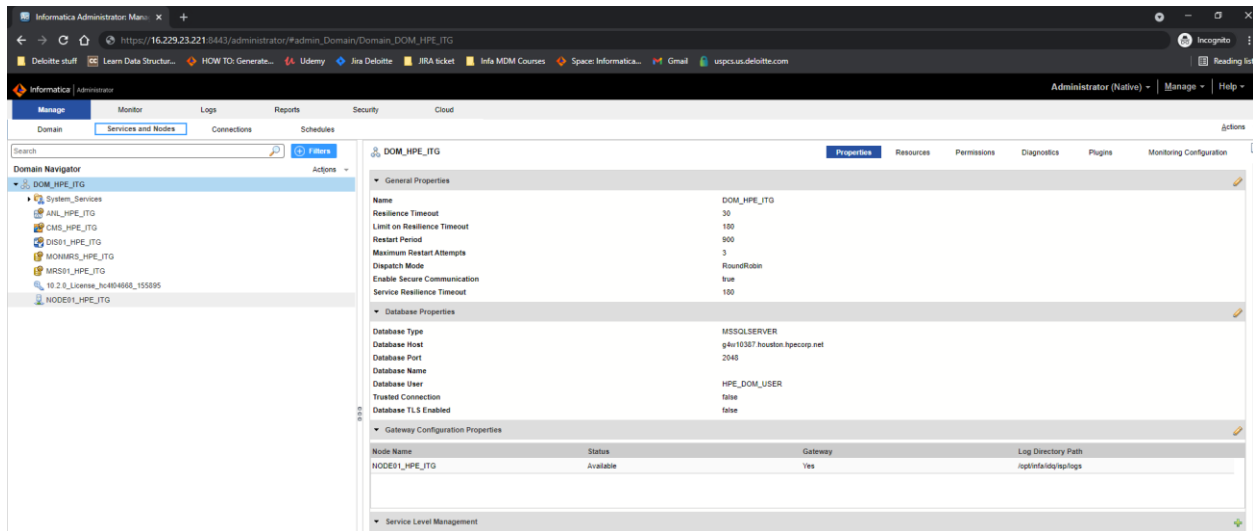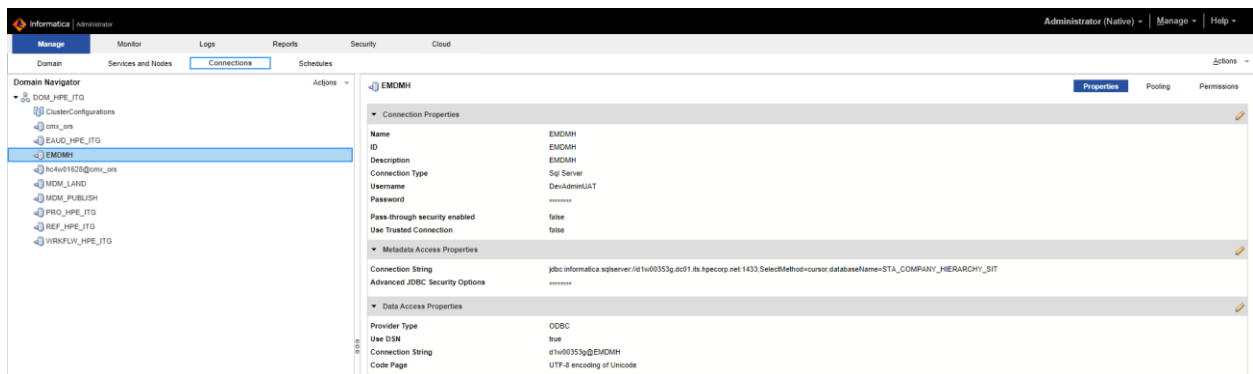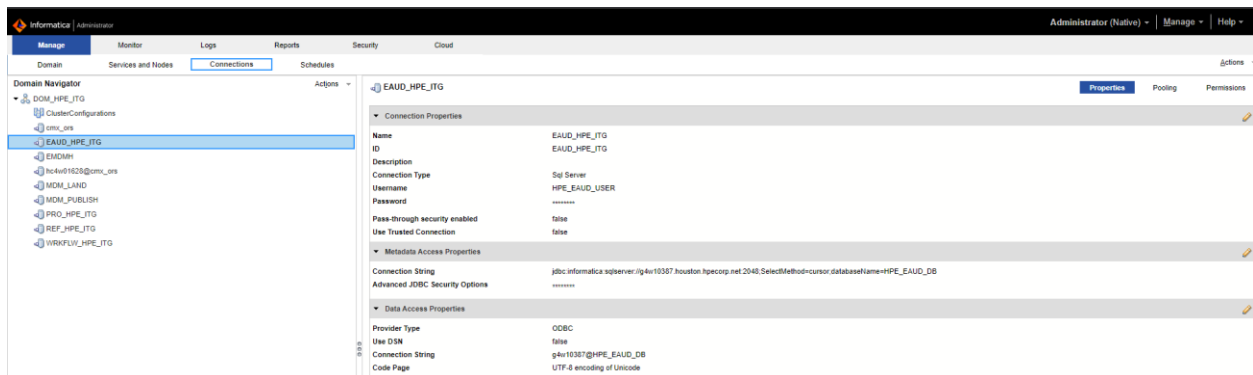
3. Navigate to the Connections Tab and for every connection change the connection string to reflect the Colo Database and Port.
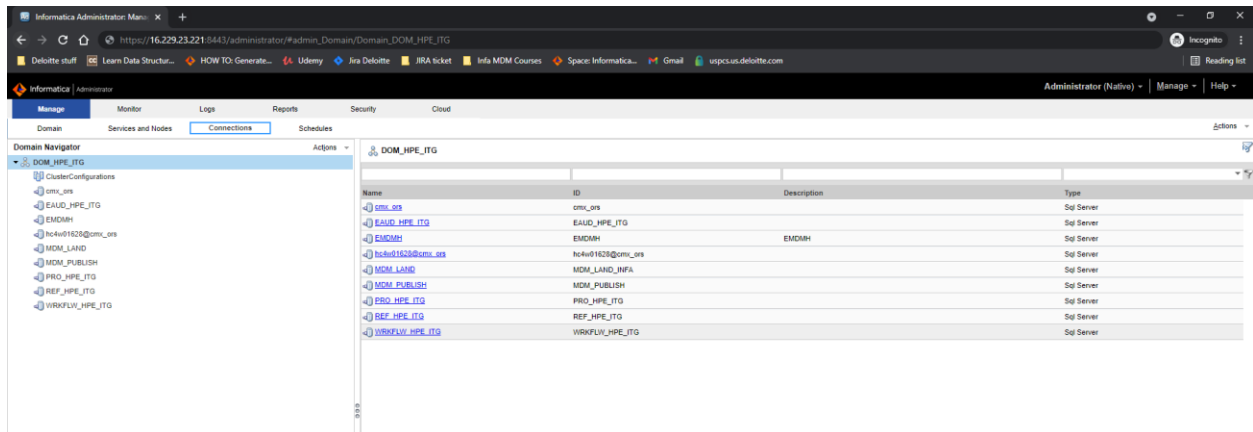
4. Select the connection (cmx_ors) is selected here and update the Metadata Access Properties and Data Access Properties for cmx_ors connection.

5. Similarly update the connection strings for all Connections except EMDMH

6. Navigate to the Services and Nodes and Edit Repository Database properties for the MRS.
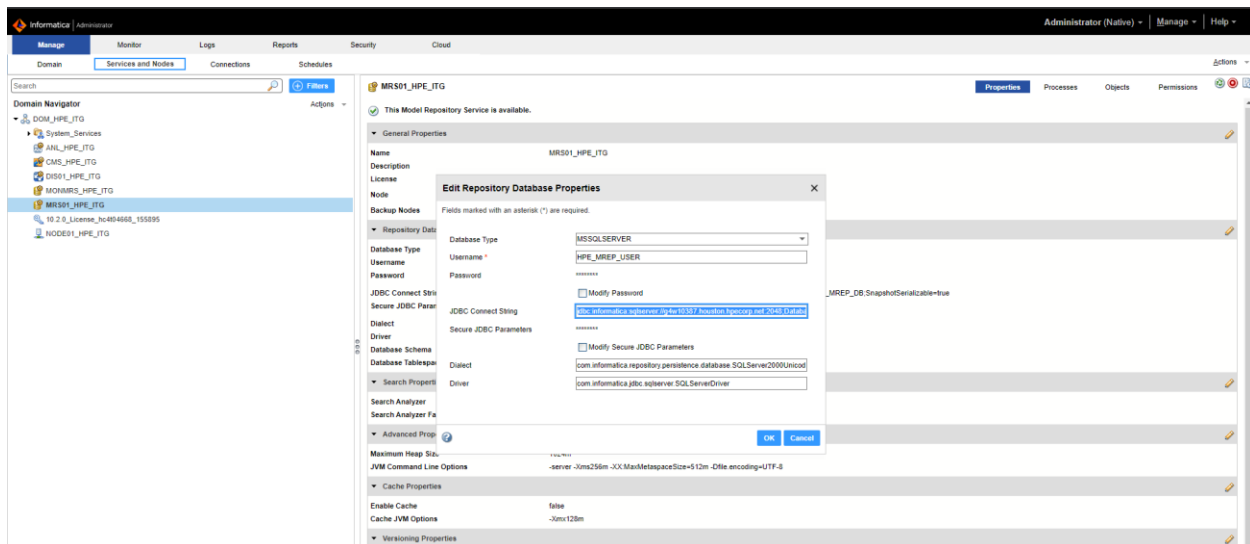
7. After performing the above steps all services except the monitoring repository service will be Available
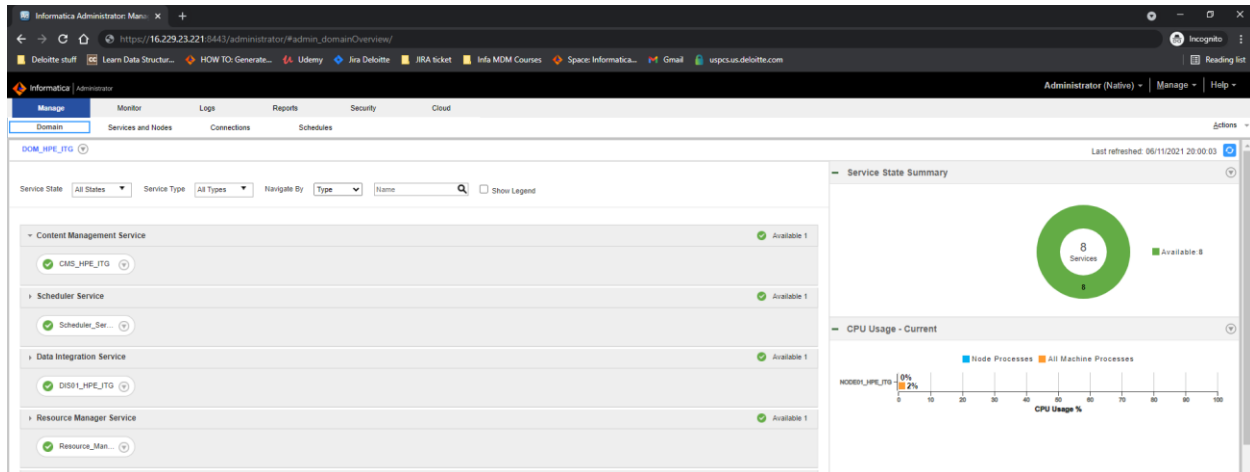
8. Prepare the Installer

1. Shutdown the 10.2 IDQ environment
2. Unzip the Informatica 10.4.1 to the /opt/infa/sw_install/

9. Run Pre-Installation System Check Tool(i10Pi) for Informatica

1. Run the installer and select '2' as we're updating Informatica PC.
2. Press Enter when Prompted.
3. Enter the Domain and Node Details as shown in the table below and open the log file as shown.

Domain Name	DOM_HPE_ITG
Gateway Node Host Name	i2l00394g.dc02.its.hpecorp.net
Gateway Node Port Number	6005
Domain Username	HPE_DOM_USER
Domain Password	HPE_DOM@PWD1

4. No conflicts are found we proceed to Installation.

```
[infamgr@ i2l00394g idq104]$ ./install.sh


\************************************************************************
\* Welcome to the Informatica 10.4.1 Installer.  *
\************************************************************************



Before you continue, read the following documents for version 10.4.1:
* Informatica Installation Getting Started Guide, Upgrade Guide, Informatica Release
Guide, and Release Notes.



Do you want to continue? (Y/N)Y
```

```
The installer requires Linux kernel version 2.6.32-431 or a later version of the 2.6.32
series or version 3.10.0-0 or a later version of the 3.10.0 series.

Select one of the following options to install or upgrade:

1. Install and configure Informatica version 10.4.1 products.
 Choose this option if one or more of the following conditions is true:
 * You want to install and configure Informatica domain services. You can install:
    - Only traditional products such as PowerCenter and Informatica Data Quality
    - Only the Data Engineering products for Integration, Quality, and Streaming
    - Traditional products and the aforementioned Data Engineering products
 Test Data Management is installed with both traditional and Data Engineering products.
 * You want to install Enterprise Data Catalog. You can install:
    - Enterprise Data Catalog binaries in an existing domain
    - Data Engineering products and Enterprise Data Catalog
 * You want to install Enterprise Data Preparation. You can install:
    - Enterprise Data Preparation binaries in an existing domain with Enterprise Data
Catalog
    - Enterprise Data Catalog and Enterprise Data Preparation binaries in an existing
domain
    - Data Engineering products, Enterprise Data Catalog, and Enterprise Data
Preparation
 * You want to install Data Privacy Management. You can install:
    - Data Privacy Management in an existing domain with Enterprise Data Catalog
    - Data Engineering products, Enterprise Data Catalog, and Data Privacy Management


2. Upgrade Informatica products to version 10.4.1.
 Choose this option if one of the following conditions is true:
 * You want to upgrade a previous version of Informatica domain and application
services. You can upgrade:
    - Only traditional products such as PowerCenter and Informatica Data Quality
    - Only the Data Engineering products for Integration, Quality, and Streaming
    - Traditional products and the aforementioned Data Engineering products
 Test Data Management is installed with both traditional and Data Engineering products.
 * You want to upgrade to Enterprise Data Catalog version 10.4.1. When you choose this
option, the installer upgrades the domain and the Enterprise Data Catalog binaries.
 * You want to upgrade Enterprise Data Preparation and Enterprise Data Catalog. When
you choose this option, the installer upgrades the domain, the Enterprise Data Catalog
binaries, and the Enterprise Data Preparation binaries. If Enterprise Data Preparation
is not installed, the installer installs the binaries.


3. Configure the Enterprise Data Catalog or Enterprise Data Preparation version 10.4.1
services on a node in the domain. Choose this option if you installed the binaries and
one of the following conditions is true:
 * You want to configure Enterprise Data Catalog services on a node in the domain.
 * You want to configure Enterprise Data Preparation services on a node in the domain
with Enterprise Data Catalog.

4. Install or upgrade Data Transformation Engine.

5. Apply hotfix to Informatica 10.4.0 or roll back the hotfix.
 Choose this option to apply the hotfix to Informatica version 10.4.0 or roll back the
hotfix.


Choose an installation option(1 or 2 or 3 or 4 or 5):2

------------------------------------------------------------
Checking for an Informatica 10.4.1 installation.
Select one of the following options:
1. Run the Informatica Upgrade Advisor
2. Run the Informatica services upgrade installation
Default: 1)1
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...
Picked up _JAVA_OPTIONS: -Djava.io.tmpdir=/opt/infa/tmp
```

```
*********************************************************************************
***************
Welcome - Step 1 of 4
*********************************************************************************
***************
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]

Welcome to Informatica Upgrade Advisor.




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Press <Enter> to continue ...


*********************************************************************************
***************
Installation Directory - Step 2 of 4
*********************************************************************************
***************
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]


Enter the existing installation directory (default:- /home/infamgr/Informatica/10.2.2):
/opt/infa/idq


*********************************************************************************
***************
Domain and Node Configuration - Step 3 of 4
*********************************************************************************
***************
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]


Enter the following information for the Informatica domain:

Domain name: (default:- DOM_HPE_ITG):

Gateway node host name: (default:- i2l00394g.dc02.its.hpecorp.net):
i2l00394g.dc02.its.hpecorp.net

Gateway node port number: (default:- 6005):

Domain user name: (default:- Administrator): HPE_DOM_USER

Domain password:

Pinging the domain...
-
Validating domain details
-
Error: Invalid domain user name or domain password.

Select a choice
    * 1->OK
(Default: 1):1


*********************************************************************************
***************
Domain and Node Configuration - Step 3 of 4
```

```
**********************************************************************************
***************
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]


Enter the following information for the Informatica domain:

Domain name: (default:- DOM_HPE_ITG):

Gateway node host name: (default:- i2lg0581.dc02.its.hpecorp.net):

Gateway node port number: (default:- 6005):

Domain user name: (default:- HPE_DOM_USER): Administrator

Domain password:

Pinging the domain...
-
Validating domain details
-
Reporting Services (Data Analyzer)
-

**********************************************************************************
***************
Informatica Upgrade Advisor Summary - Step 4 of 4
**********************************************************************************
***************
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this
panel or 'quit' to cancel the installation at any time. ]

Upgrade check result



Database version check
Message: Supported version.

Operating System check
Message: Supported RHEL OS version identified.

Reporting Services (Data Analyzer)
Message: The Reporting Service is obsolete. The service will be removed during the
upgrade.

Please review the logs before performing an upgrade.

If any failures occurred, check the following log for more information:
/opt/infa/sw_install/idq104/Server/I10PUC/Summary_2021_04_07_08_49_16.log


Press Enter to quit the utility.
Do you want to continue the Informatica services installation (y/n) ?n
[infamgr@ i2l00394g g idq104]$ view
/opt/infa/sw_install/idq104/Server/I10PUC/Summary_2021_04_07_08_49_16.log
```

Deloitte.

10. Installing Informatica 10.4.1

1. Run the installation file install.sh from the infamgr service account
2. Agree to the terms and conditions
3. After verifying the installation pre-requisites press Enter
4. Enter the installation directory. Choose 2 for Development Environment

Installation Directory	/opt/infa/idq

5. Select Enter continue with the Informatica installation
6. Enter the Domain Security – Encryption Key by entering the Domain username and Domain password
7. Verify the Pre-Installation Summary and Press Enter to continue with the Installation
8. Enter the Domain configuration Details as shown below

Database type	SQL Server
Database user ID	HPE_DOM_USER
User Password	HPE_DOM@PWD1
Specify Schema Name	1
Secure database	2
Configure the database connection	JDBC URL
Database address	s2wg10985.americas.hpqcorp.net:1154
Database service name	HPE_DOM_DB
Configure JDBC Parameters	1

```
[infamgr@ i2l00394g idq104]$ ./install.sh


\*****************************************************************************
\* Welcome to the Informatica 10.4.1 Installer.  *
\*****************************************************************************



Before you continue, read the following documents for version 10.4.1:
* Informatica Installation Getting Started Guide, Upgrade Guide, Informatica Release Guide, and
Release Notes.




Do you want to continue? (Y/N)Y
The installer requires Linux kernel version 2.6.32-431 or a later version of the 2.6.32 series
or version 3.10.0-0 or a later version of the 3.10.0 series.

Select one of the following options to install or upgrade:

1. Install and configure Informatica version 10.4.1 products.
 Choose this option if one or more of the following conditions is true:
 * You want to install and configure Informatica domain services. You can install:
   - Only traditional products such as PowerCenter and Informatica Data Quality
   - Only the Data Engineering products for Integration, Quality, and Streaming
   - Traditional products and the aforementioned Data Engineering products
 Test Data Management is installed with both traditional and Data Engineering products.
 * You want to install Enterprise Data Catalog. You can install:
   - Enterprise Data Catalog binaries in an existing domain
   - Data Engineering products and Enterprise Data Catalog
```

```
  * You want to install Enterprise Data Preparation. You can install:
    - Enterprise Data Preparation binaries in an existing domain with Enterprise Data Catalog
    - Enterprise Data Catalog and Enterprise Data Preparation binaries in an existing domain
    - Data Engineering products, Enterprise Data Catalog, and Enterprise Data Preparation
  * You want to install Data Privacy Management. You can install:
    - Data Privacy Management in an existing domain with Enterprise Data Catalog
    - Data Engineering products, Enterprise Data Catalog, and Data Privacy Management


2. Upgrade Informatica products to version 10.4.1.
 Choose this option if one of the following conditions is true:
 * You want to upgrade a previous version of Informatica domain and application services. You
can upgrade:
    - Only traditional products such as PowerCenter and Informatica Data Quality
    - Only the Data Engineering products for Integration, Quality, and Streaming
    - Traditional products and the aforementioned Data Engineering products
 Test Data Management is installed with both traditional and Data Engineering products.
 * You want to upgrade to Enterprise Data Catalog version 10.4.1. When you choose this option,
the installer upgrades the domain and the Enterprise Data Catalog binaries.
 * You want to upgrade Enterprise Data Preparation and Enterprise Data Catalog. When you choose
this option, the installer upgrades the domain, the Enterprise Data Catalog binaries, and the
Enterprise Data Preparation binaries. If Enterprise Data Preparation is not installed, the
installer installs the binaries.


3. Configure the Enterprise Data Catalog or Enterprise Data Preparation version 10.4.1 services
on a node in the domain. Choose this option if you installed the binaries and one of the
following conditions is true:
 * You want to configure Enterprise Data Catalog services on a node in the domain.
 * You want to configure Enterprise Data Preparation services on a node in the domain with
Enterprise Data Catalog.

4. Install or upgrade Data Transformation Engine.

5. Apply hotfix to Informatica 10.4.0 or roll back the hotfix.
 Choose this option to apply the hotfix to Informatica version 10.4.0 or roll back the hotfix.


Choose an installation option(1 or 2 or 3 or 4 or 5):2

-----------------------------------------------------------
Checking for an Informatica 10.4.1 installation.
Select one of the following options:
1. Run the Informatica Upgrade Advisor
2. Run the Informatica services upgrade installation
Default: 1)1
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...
Picked up _JAVA_OPTIONS: -Djava.io.tmpdir=/opt/infa/tmp


***********************************************************************************************
*******
Welcome - Step 1 of 4
***********************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]

Welcome to Informatica Upgrade Advisor.




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See patents at  https://www.informatica.com/legal/patents.html
Press <Enter> to continue ...
```

Deloitte.

```
*************************************************************************************************
*******
Installation Directory - Step 2 of 4
*************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Enter the existing installation directory (default:- /home/infamgr/Informatica/10.2.2):
/opt/infa/idq


*************************************************************************************************
*******
Domain and Node Configuration - Step 3 of 4
*************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Enter the following information for the Informatica domain:

Domain name: (default:- DOM_HPE_ITG):

Gateway node host name: (default:- i2l00394g.dc02.its.hpecorp.net):

Gateway node port number: (default:- 6005):

Domain user name: (default:- Administrator):

Domain password:

Pinging the domain...
-
Validating domain details
-
Reporting Services (Data Analyzer)
-

*************************************************************************************************
*******
Informatica Upgrade Advisor Summary - Step 4 of 4
*************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]

Upgrade check result



Database version check
Message: Supported version.

Operating System check
Message: Supported RHEL OS version identified.

Reporting Services (Data Analyzer)
Message: The Reporting Service is obsolete. The service will be removed during the upgrade.

Please review the logs before performing an upgrade.

If any failures occurred, check the following log for more information:
/opt/infa/sw_install/idq104/Server/I10PUC/Summary_2021_04_07_09_44_26.log


Press Enter to quit the utility.
```

```
Do you want to continue the Informatica services installation (y/n) ?y
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...
Picked up _JAVA_OPTIONS: -Djava.io.tmpdir=/opt/infa/tmp


*************************************************************************************************
*******
Welcome - Step 1 of 16
*************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


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See patents at  https://www.informatica.com/legal/patents.html



Subject to your opt-out rights described below, the Software will automatically transmit to
Informatica in the USA information about the computing and network environment in which the
Software is deployed and the data usage and system statistics of the deployment.  This
transmission is deemed part of the Services under the Informatica privacy policy and
Informatica will use and otherwise process this information in accordance with the Informatica
privacy policy available at http://www.informatica.com/privacy-policy.html. You may disable
this transmission in the Administrator tool, Help > About Informatica Administrator > Usage
Collection Policy > uncheck [ Enable Usage Collection ].

I agree to the terms and conditions.
    * 1->No
      2->Yes
(Default: 1):2


*************************************************************************************************
*******
Upgrade Prerequisites - Step 2 of 16
*************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]

Verify the upgrade prerequisites and complete the pre-upgrade tasks before you continue.

 Domain configuration repository database requirements: -Requires Oracle, IBM DB2, Azure SQL,
Microsoft SQL Server, or Sybase ASE.

 One of the following product versions (or version updates, service packs, or hotfixes) must be
installed to upgrade Informatica Services on this machine:
 - Informatica 10.0.0
 - Informatica 10.1.0
 - Informatica 10.1.1
 - Informatica 10.2.0
 - Informatica 10.2.1
 - Informatica 10.2.2

 The following product version must be installed to upgrade Test Data Management:
 - Test Data Management 10.4.0
 If you are on an earlier version, use the required TDM installer to upgrade to 10.4.0. You can
then run this installer to upgrade to 10.4.1.

 One of the following product versions (or version updates, service packs, or hotfixes) must be
installed to upgrade Enterprise Data Catalog on this machine:
 - Informatica Live Data Map version 10.1.1
 - Enterprise Information Catalog 10.2.0
 - Enterprise Data Catalog version 10.2.1
 - Enterprise Data Catalog version 10.2.2
```

```
 One of the following product versions (or version updates, service packs, or hotfixes) must be
installed to upgrade Enterprise Data Preparation on this machine:
 - Informatica Enterprise Data Lake version 10.2.0
 - Enterprise Data Lake version 10.2.1
 - Enterprise Data Lake version 10.2.2

 Verify the minimum system requirements for the Informatica domain and Hadoop cluster on the
same machine:
 - Disk space Requirement: 150 GB
 - Memory Requirement (RAM): 32 GB
 - Number of CPU cores: 16

 The minimum system requirements for the Informatica domain and Hadoop cluster on different
machines:
 - Disk space Requirement: 100 GB
 - Memory Requirement (RAM): 32 GB
 - Number of CPU cores: 16

   Pre-upgrade tasks:
 - Back up the domain configuration repository.
 - Back up the HDFS directory.
 - Back up the Model repository and Catalog Service.
 - For a DB2 database, verify that the tablespace has a page size of 32K.
 - Before you perform the upgrade, verify that the domain is shut down.
 - Before you upgrade Enterprise Data Catalog in an embedded cluster, make sure to back up the
catalog and disable the Catalog Service. You must ensure that Bash, PostgreSQL version 9.6,
python-kerberos package, and libtirpc-devel package are present on all cluster nodes. After
upgrade, restore the catalog from the backup before you enable the Catalog Service.
 For more information about generating the reports, see the Knowledge Base article:
https://kb.informatica.com/howto/6/Pages/18/496097.aspx

-If you are using a MySQL database for the Data Preparation repository, verify that
mysql_connector_jar_path environment variable is set.

Press <Enter> to continue ...


*****************************************************************************************************
*******
Upgrade Directory - Step 3 of 16
*****************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Enter the directory of the Informatica product to upgrade (default:-
/home/infamgr/Informatica/10.2.2): /opt/infa/idq

Enter the directory for Informatica 10.4.1 (default:- /home/infamgr/Informatica/10.4.1):
/opt/infa/idq1041

Installation environment:
    * 1->Sandbox
      2->Development
      3->Test
      4->Production
(Default: 1):3

Allow changes to the node configuration.

Select this option to change the node host name, port numbers, or domain configuration
repository database during the upgrade.
    * 1->No
      2->Yes
(Default: 1):

Stopping the service...
-
```

```
**************************************************************************************************
*******
Component Selection - Step 3B of 16
**************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]



Select one of the following options to upgrade to version 10.4.1.
    * 1->Upgrade a previous version of informatica domain and applications services. You can
upgrade:
        -Only traditional products such as PowerCenter and Informatica Data Quality
        -Only the Data Engineering products for Integration, Quality, and Streaming
        -Traditional products and the aforementioned Data Engineering products

    Test Data Management is installed with both traditional and Data Engineering products.
      2->Upgrade Informatica domain services and Enterprise Data Catalog binaries.
      3->Upgrade Informatica domain services and the binaries for Enterprise Data Catalog and
Enterprise Data Preparation. When you choose this option, the installer installs Enterprise
Data Preparation binaries if they do not exist.
To complete the service upgrades, you need to run the upgrade wizard through the Administrator
tool.
(Default: 1):


**************************************************************************************************
*******
Domain Security - Encryption Key - Step 3C of 16
**************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Encryption key directory (default:- /opt/infa/idq1041/isp/config/keys):

Domain user name: Administrator

Domain password:


**************************************************************************************************
*******
Pre-Installation Summary - Step 4 of 16
**************************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


Product Name            :       Informatica 10.4.1

Installation Type       :       Upgrade

Installation Directory  :       /opt/infa/idq1041

Disk Space Requirements:

Required Disk Space     :       23,517 MB

Available Disk Space    :       226,777 MB

Press <Enter> to continue ...

Stopping the service...
-
Warning: Ensure the Informatica domain is shut down before you upgrade.
```

```
Press <Enter> to continue...


**********************************************************************************************
*******
Upgrading
**********************************************************************************************
*******


Upgrading... 1%

Upgrading... 2%

Upgrading... 5%

Upgrading... 10%

Upgrading... 15%

Upgrading... 20%

Upgrading... 25%

Upgrading... 30%

Upgrading... 35%

Upgrading... 40%

Upgrading... 45%

Upgrading... 50%

Upgrading... 55%

Upgrading... 60%

Upgrading... 65%

Upgrading... 70%

Upgrading... 75%

Upgrading... 80%

Upgrading... 85%

Upgrading... 90%

Upgrading... 95%

Upgrading... 100%


**********************************************************************************************
*******
Domain Configuration Repository - Step 6 of 16
**********************************************************************************************
*******
[ Type 'back' to go to the previous panel or 'help' to check the help contents for this panel
or 'quit' to cancel the installation at any time. ]


The upgrade wizard will use the following settings for the domain configuration repository
upgrade:
Database type: MSSQLSERVER
Database user ID: HPE_DOM_USER
Database user password: ************
Database address: s2wg10985.americas.hpqcorp.net:1154
Database service name: HPE_DOM_DB
```

```
Press <Enter> to continue ...

Executing the command...
---
Executing the command...
--
Upgrading node...
-
Updating the node...
-
Registering the plug-in...
-
Starting the service...
-
Pinging the domain...
-
Pinging the domain...
-
Pinging the domain...
-
Pinging the domain...
-
Pinging the domain...
-
Pinging the domain...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Pinging Informatica Administrator...
-
Removing the Reporting Service...
-
Removing the Reporting and Dashboards Service...
-

**************************************************************************************************
*******
Post-Installation Summary - Step 16 of 16
**************************************************************************************************
*******
Upgrade Status: SUCCESS

The Informatica 10.4.1 installation is complete.

The system services are disabled by default after the installation.
Configure and enable the system services in the Informatica Administrator.

If you run mappings in the Hadoop environment, you need to import the cluster configuration
into the domain and update connections.
Refer to the Data Engineering Integration Guide for instructions.
```

```
For more information, see the debug log file:
/opt/infa/idq1041/Informatica_10.4.1_Services_Upgrade_2021_04_07_09_49_08.log

For more information about the upgrade, see the debug log file:
/opt/infa/idq1041/logs/upgrade.log

Installation Type: Upgrade


Informatica Administrator Home Page:
https://i2lg0581.dc02.its.hpecorp.net:6005

Product Name:  Informatica 10.4.1


Press <Enter> to continue ...
[infamgr@i2l00394g idq104]$
```
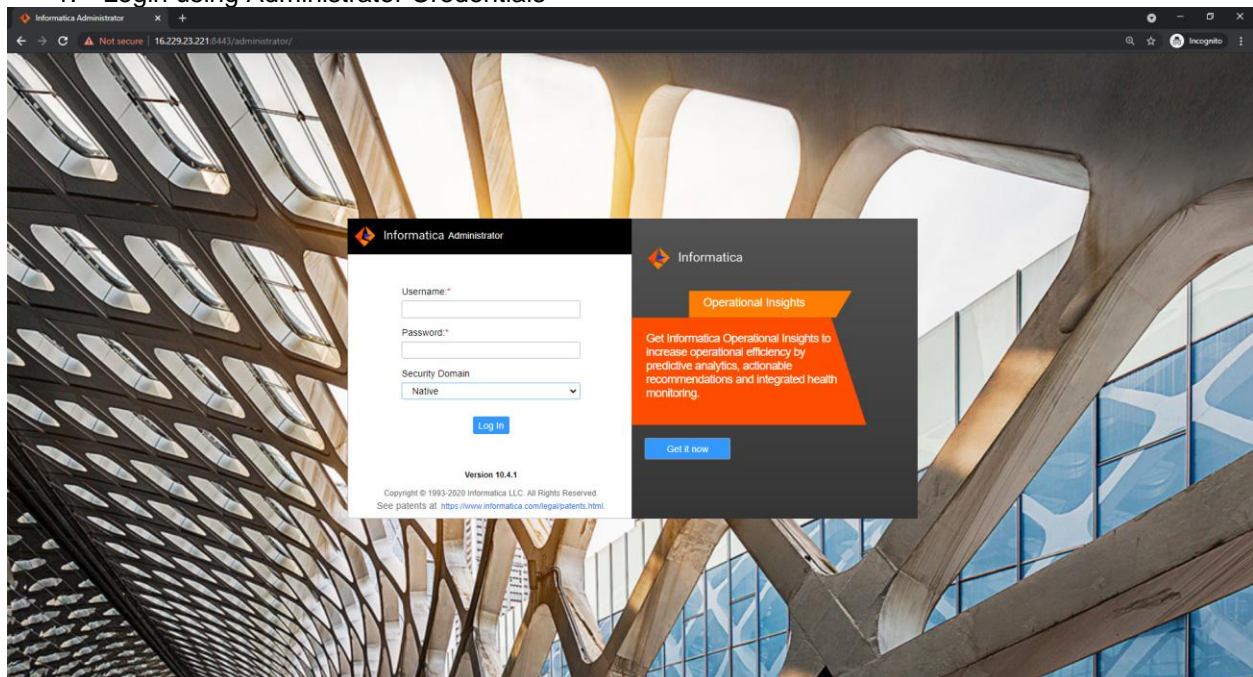
9. Informatica 10.4.1 has been installed in the environment

11. Post-Installation Steps for Informatica IDQ 10.4.1

1. Login using Administrator Credentials

2. After logging in some services would be down.
3. Go to 'Services and Nodes' and select the MRS MRS01_HPE_ITG.
4. Upgrade the MRS by selecting Actions->Repository Contents - > Upgrade.

5. The MRS is upgraded to the latest version.

MRS01_HPE_ITG   Properties   Processes   Objects

This Model Repository Service is available.

▼ General Properties

Name	MRS01_HPE_ITG
Description	
License	🔍 10.2.0_License_hc4t04668_155895
Node	📄 NODE01_HPE_ITG
Backup Nodes	

▼ Repository Database Properties

Database Type	MSSQLSERVER
Username	HPE_MREP_USER
Password	********
JDBC Connect String	jdbc:informatica:sqlserver://s2wg10985.americas.hpqcorp.net:1154;DatabaseName=HPE_MREP_DB;SnapshotSerializable=true
Secure JDBC Parameters	********
Dialect	com.informatica.repository.persistence.database.SQLServer2000UnicodeDialect
Driver	com.informatica.jdbc.sqlserver.SQLServerDriver
Database Schema	
Database Tablespace	

▼ Search Properties

6. Similarly in the Services and Node Tab, navigate to the MONMRS_HPE_DEV tab and upgrade the MRS.

MONMRS_HPE_ITG   Properties   Processes   Objects

This Model Repository Service is available.

▼ General Properties

Name	MONMRS_HPE_ITG
Description	
License	🔍 10.2.0_License_hc4t04668_155895
Node	📄 NODE01_HPE_ITG
Backup Nodes	

▼ Repository Database Properties

|	
Database Type	SQLSERVER
Username	HPE_MRSMON_USER
Password	********
JDBC Connect String	jdbc:informatica:sqlserver://s2wg10985.americas.hpqcorp.net:1154;DatabaseName=HPE_MRSMON_DB
Secure JDBC Parameters	********
Dialect	com.informatica.repository.persistence.database.SQLServer2000UnicodeDialect
Driver	com.informatica.jdbc.sqlserver.SQLServerDriver
Database Schema	
Database Tablespace	

▼ Search Properties

|	
Search Analyzer	com.informatica.repository.service.provider.search.analysis.MMStandardAnalyzer
Search Analyzer Factory	

7. Similarly in the Services and Node Tab, navigate to the DATA INTEGRATION SERVICE DI S01_HPE_ITG and upgrade the DIS. By selecting Actions -> Upgrade Core Service.
8. Enable the Analytics Service. By Selecting the Refresh button and select Abort.
9. After the DIS Upgrade the Analyst URL will be up
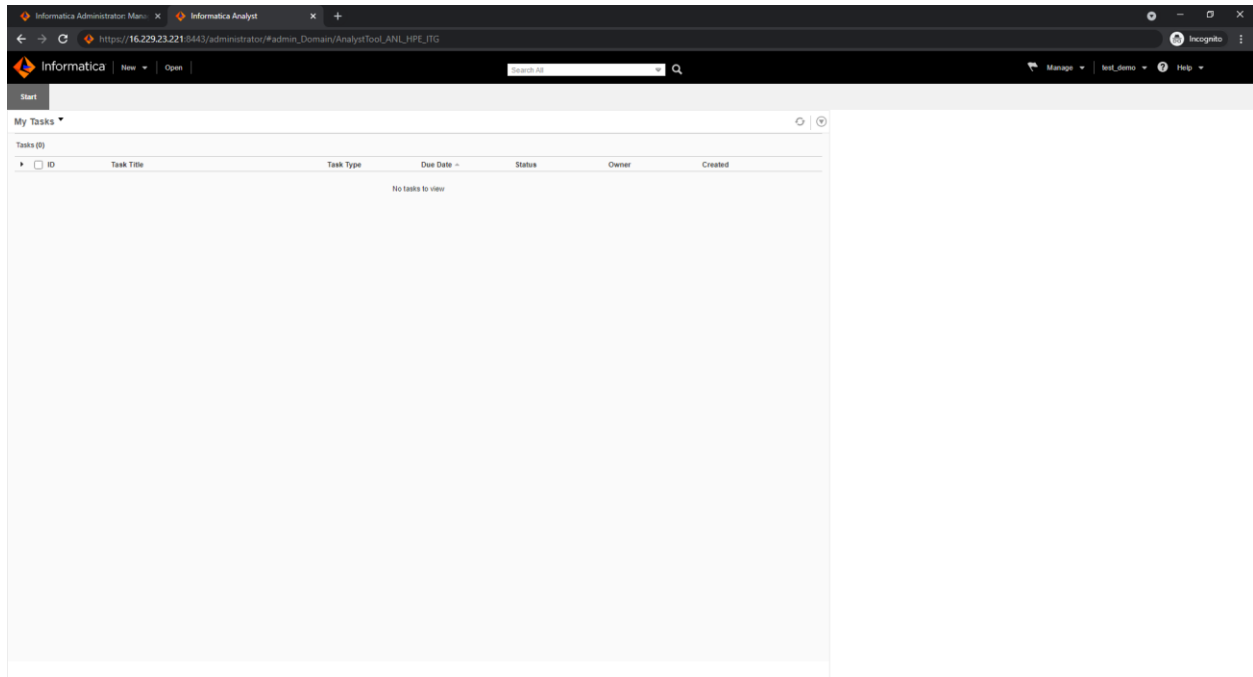
10. Select Connections from the Administration Console and update the Username & Password and Test the connections
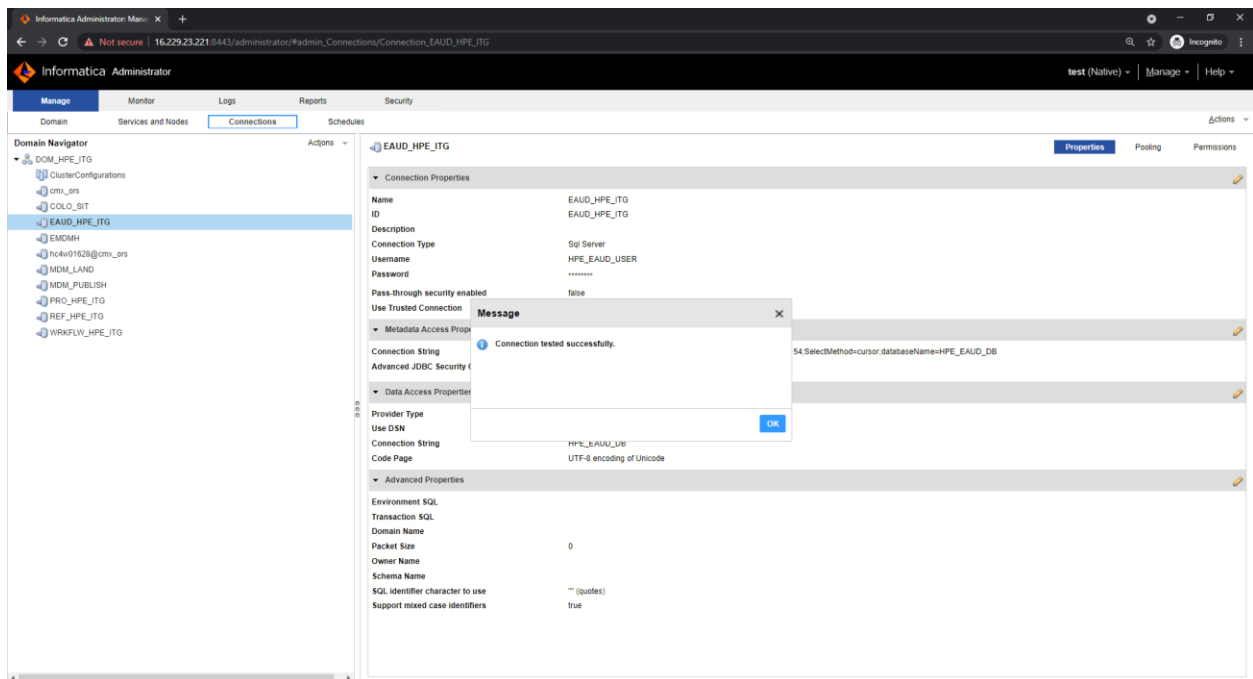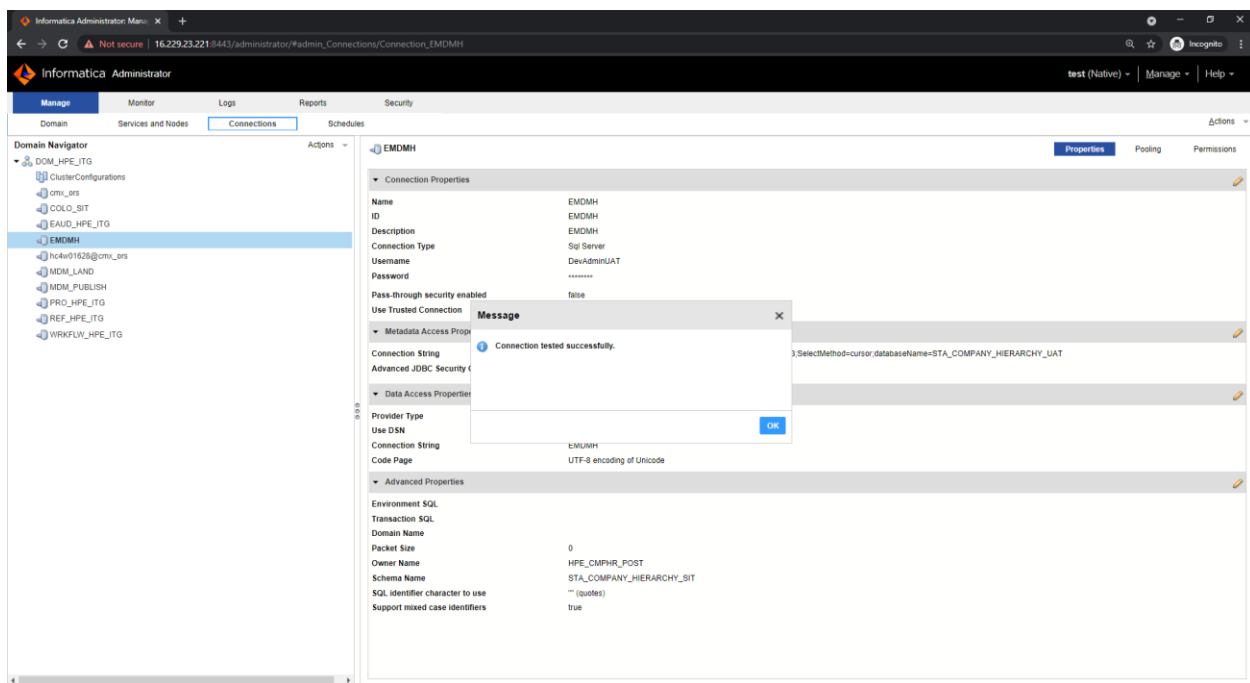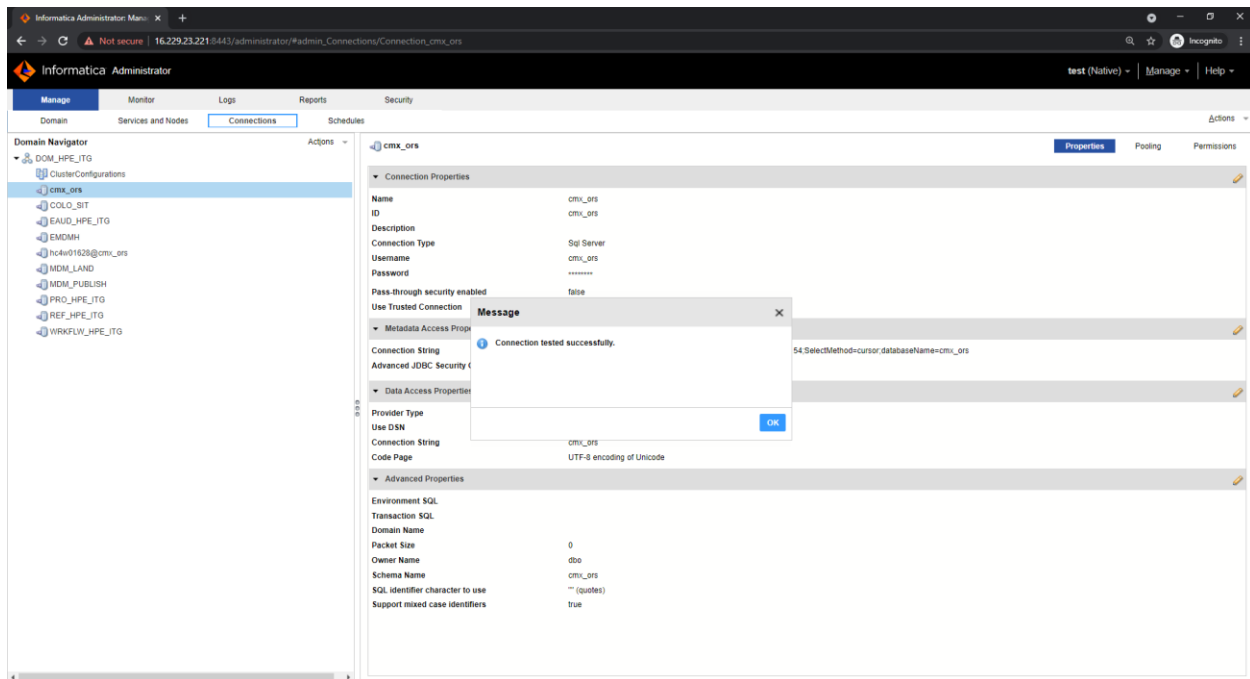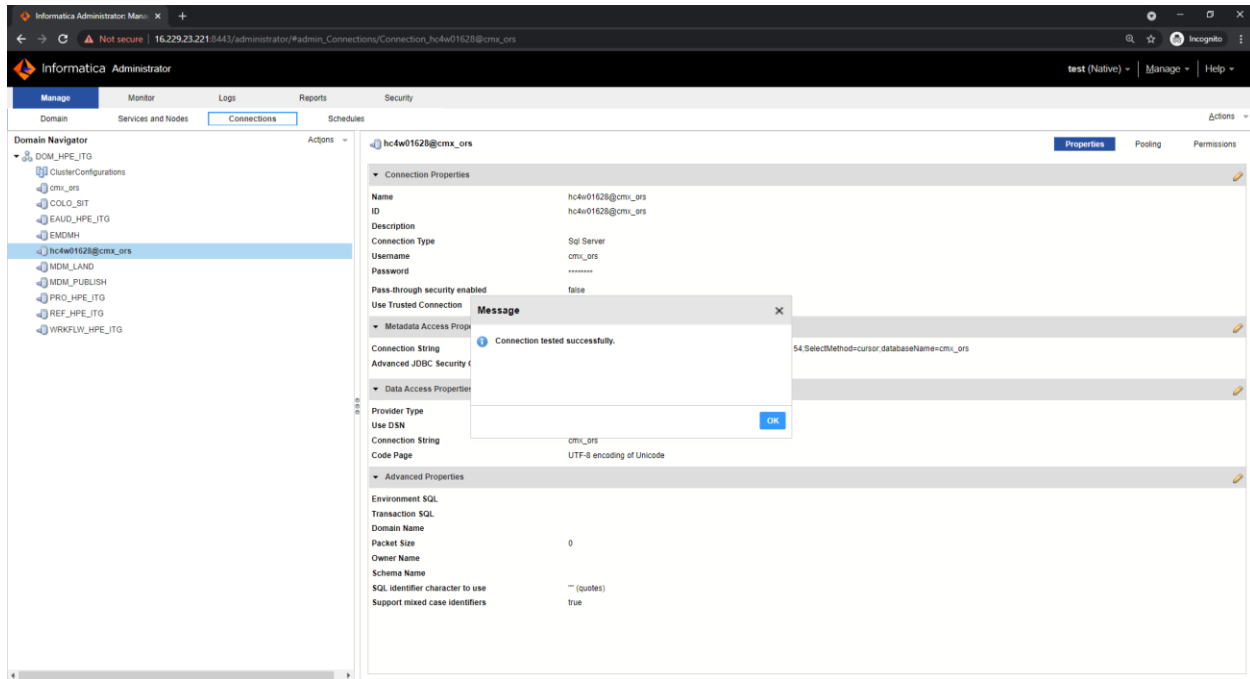
After the connections are updated all services will be available.