# Creating a Compute Engine in Google Cloud

**Installation Guide** 

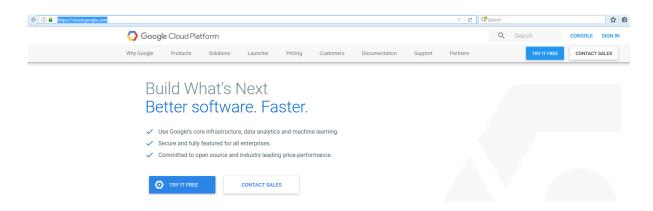


# edureka!

© Brain4ce Education Solutions Pvt. Ltd.

### Creating a Compute Engine in Google Cloud

1. Go to <a href="https://cloud.google.com/">https://cloud.google.com/</a>



2. Click on Sign In and use your credential for Gmail to login

**Build What's Next** 

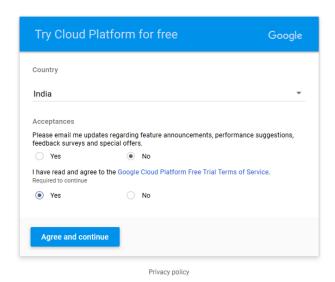
3. Click on Try it Free

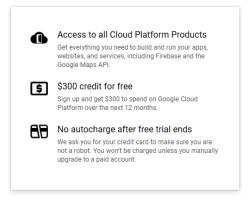
## Better software. Faster. Use Google's core infrastructure, data analytics and machine learning. Secure and fully featured for all enterprises. Committed to open source and industry leading price-performance.



4. It will have some more steps, please provide requisite information over there.

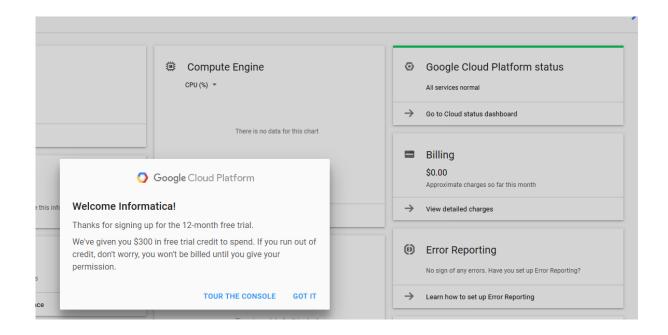
#### Google Cloud Platform



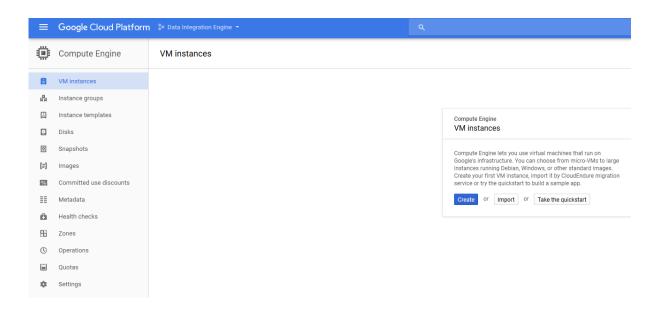


Please note it's a limited period trial. Google will provide \$300 credit to setup your system and once the usage is over then the machine will be deleted or will cease to function.

- 5. Click on Agree and continue
- 6. It will ask you for a billing information where you will be asked for providing a credit card. Please provide requisite information. Please read the instruction carefully before proceeding.
- 7. Once done properly, you will be greeted with the following screen

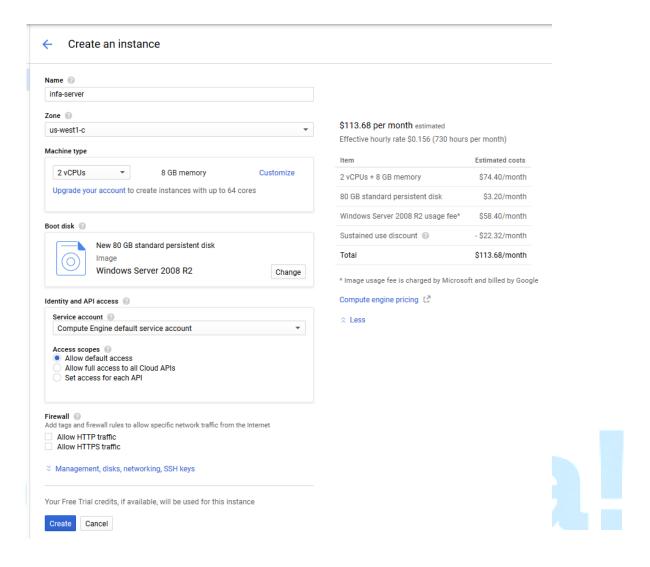


8. Click on GOT IT and then click on Compute Engine on from the left panel.

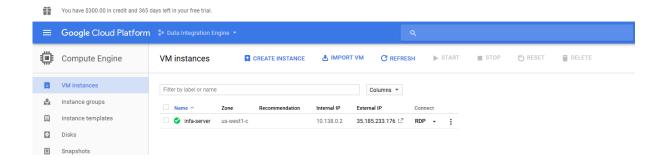


#### 9. Select Create

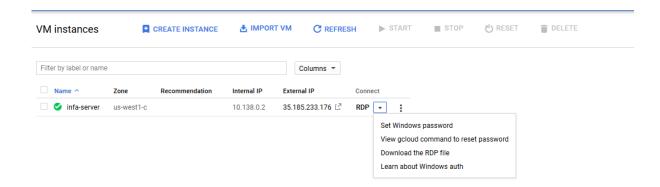
10. Then Enter the information as shown in the screenshot. You can also choose as per your own usage. This is one of the example, it's not mandatory to use the same.



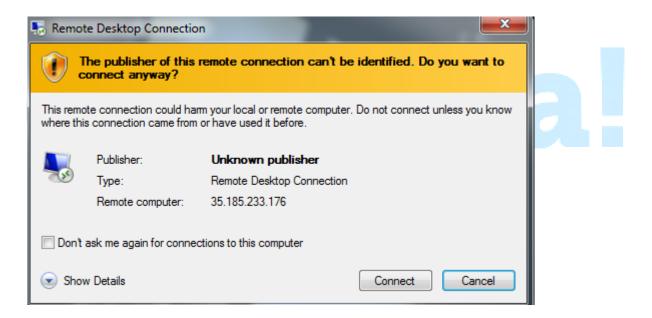
11. Once it is properly created, it will show up the below screen



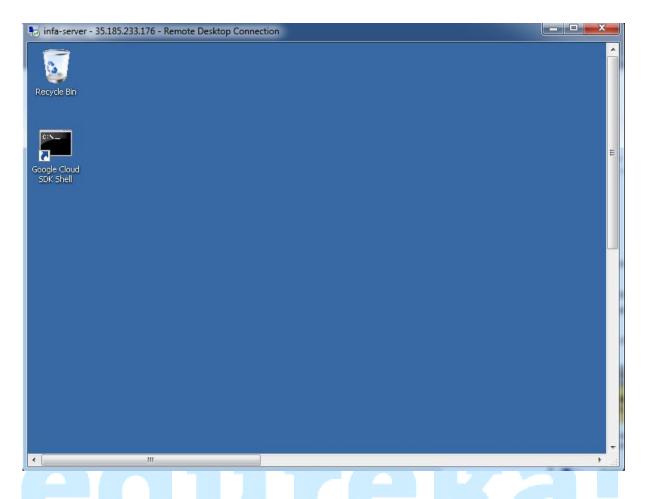
12. Click on the arrow beside RDP and the following drop down will come. Click on Set Windows Password.



- 13. It will provide you a password, please write it down somewhere so that you don't forget it.
- 14. Again, click on the arrow beside the RDP and then click on Download RDP File. The RDP file will be downloaded. Save it.
- 15. Double click on the RDP file.

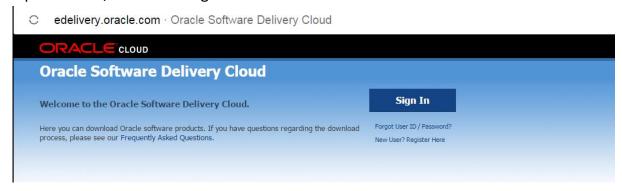


- 16. Connect
- 17. Provide the password, that you have saved, please check it should not have any space before or after it.
- 18. Click on Yes on the next screen
- 19. You will be logged in to your newly created Windows 2008 Server.

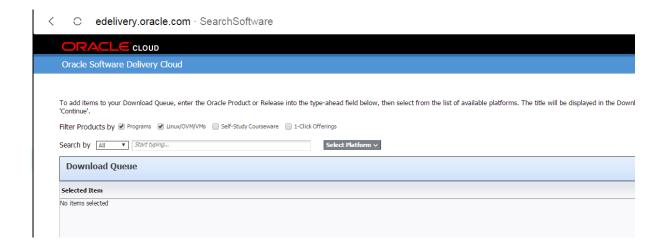


- 20. Please note the IP address provided for your machine is not static. Once you stop the machine and restart it, it will change.
- 21. Check the IP address from the console before your login using RDP. Edit the RDP file, to enter the correct RDP.
- 22. Once again, please note the password provided by the Google Cloud should be saved somewhere so that you don't forget it.
- 23. Once you are inside the Google cloud machine, open IE (Internet explorer) and then download and install the following software.
- a. Firefox or Google Chrome
- b. <a href="https://www.microsoft.com/en-in/download/details.aspx?id=15336">https://www.microsoft.com/en-in/download/details.aspx?id=15336</a>
- c. Oracle 11gr2 (Database from Oracle website)
- d. Oracle SQL Developer (Any version, from Oracle Website)
- 24. Create user INFA\_DOM and INFA\_REP with necessary privileges as shown below, once you have downloaded and installed both Oracle and SQL Developer.

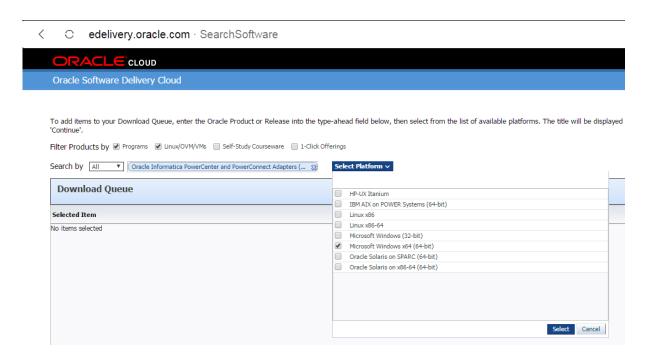
25. Open Firefox/Chrome and go to the link below.



26. Create your own credentials to login, if you do not have it already.

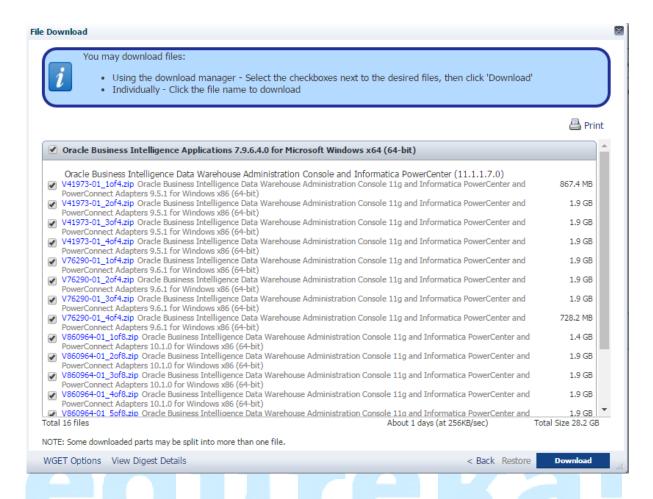


27. Search for Informatica in the search box and select the platform as shown below.

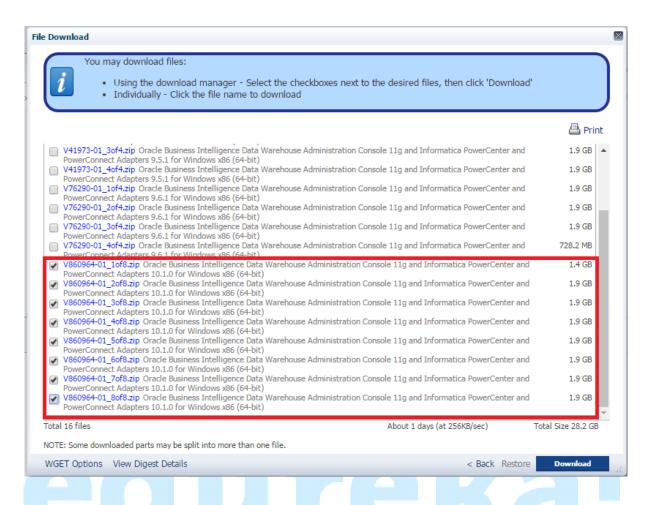


Depending on your OS, please choose the option carefully whether 32 bit or 64 bit. Please remember, if you are installing 32 bits, your Oracle installation should also be 32 bit and if you are installing 64 bit, your Oracle Installation should also be 64 bit. This is important, else you will face issues while creating the Informatica services.

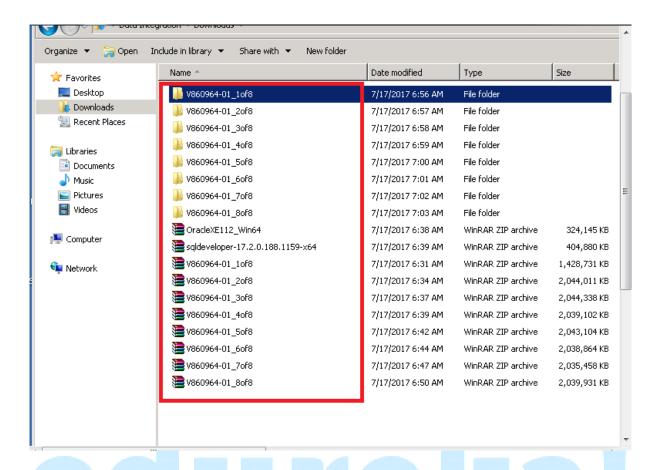
28. There will be some continue screen, please select continue and accept the agreement. After that you will be presented with the below screen.



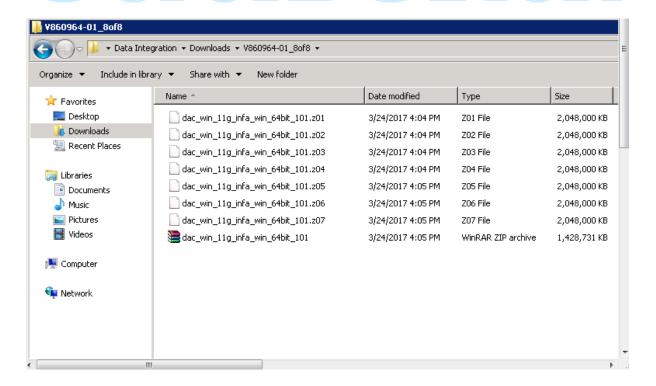
29. Select only the files as mentioned in the screenshot. They contain the files required for installation of Informatica 10.1.0.



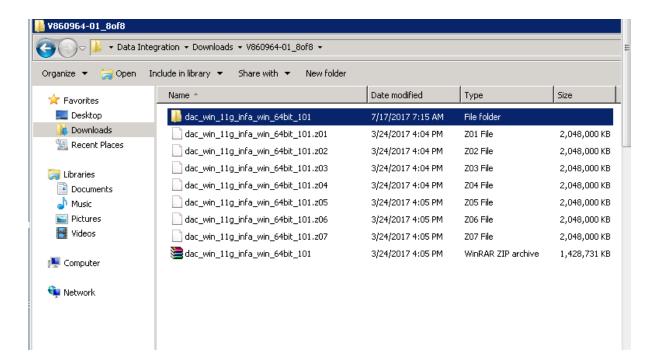
- 30. Click on download and Oracle will provide a download manager to download those files.
- 31. Once downloaded, extract all the files in separate folders. So, once you extract, you will get total 8 folders containing the files.



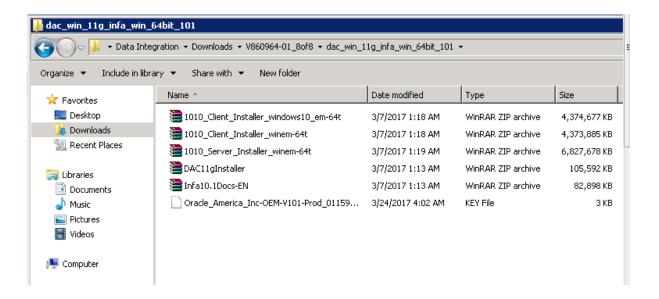
32. Now cut the files from each individual folder (1of8 to 7of8) and paste into the folder 8of8. The V860964\_01\_8of8 will look like this.



33. Now extract the content of dac\_win\_11g\_infa\_win\_64bit\_101.zip file.



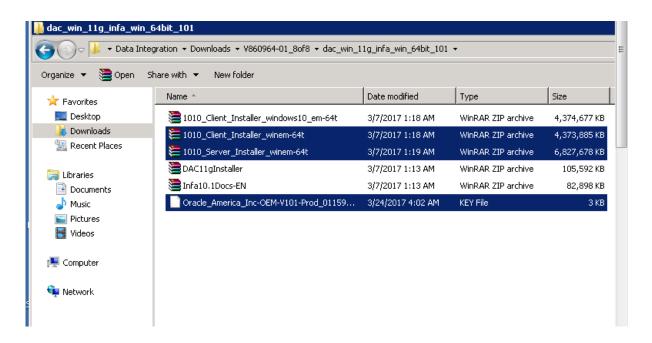
The inside of the file will look like this.



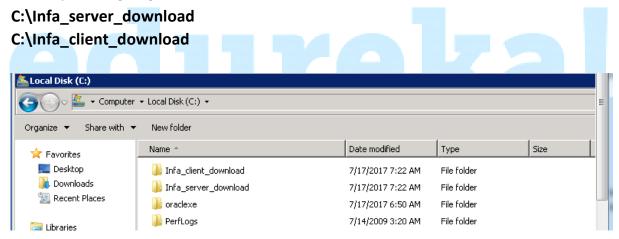
1010\_Client\_Installer\_windows10\_em-64t – Required when you are planning to install the client versions in Windows 10. If it's not windows 10, please use the other one.

1010\_Client\_Installer\_winem-64t

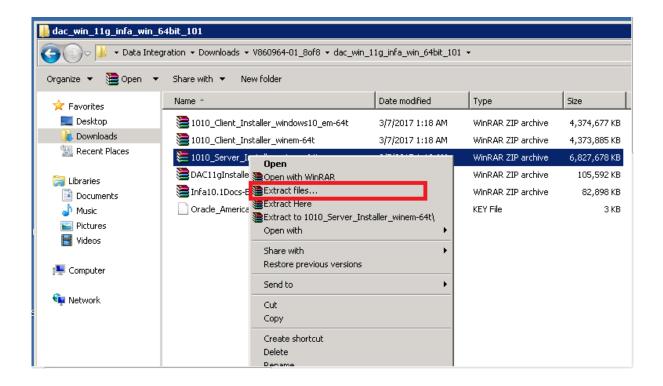
We only require these files for Informatica installation.



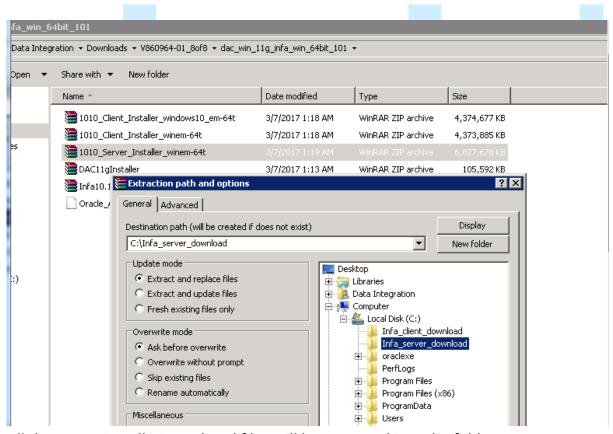
34. Extract the zip file separately into separate folders. Use the option Extract Files and then provide the file path where the files would be extracted. Please create folders in C drive where you are going to extract it.



Extract the server files into the server folder and the client file into the client folder. The other file is the license file, we will need it during installation.

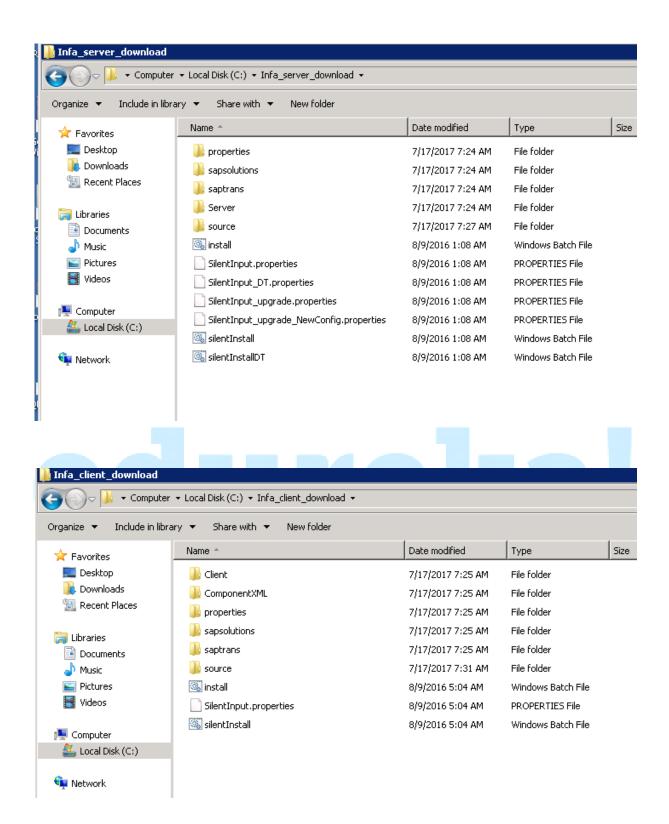


Provide the file path as C:\Infa\_server\_download



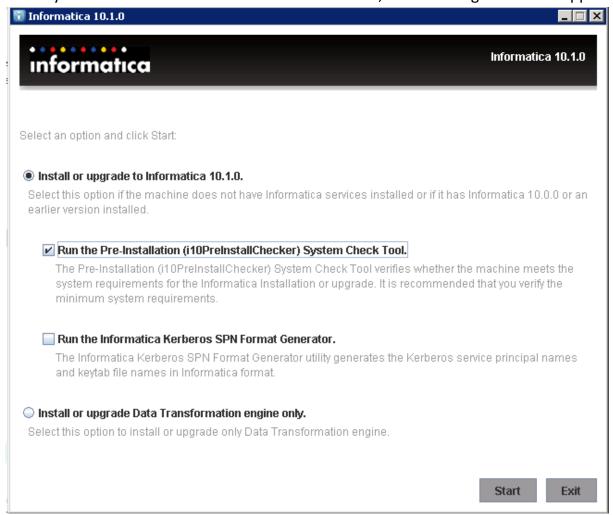
All the server installation related files will be extracted into the folder C:\Infa\_server\_download.

- 35. Please do the same thing for Client software as well.
- 36. Once extracted, you will find these files inside your server and client folder respectively.

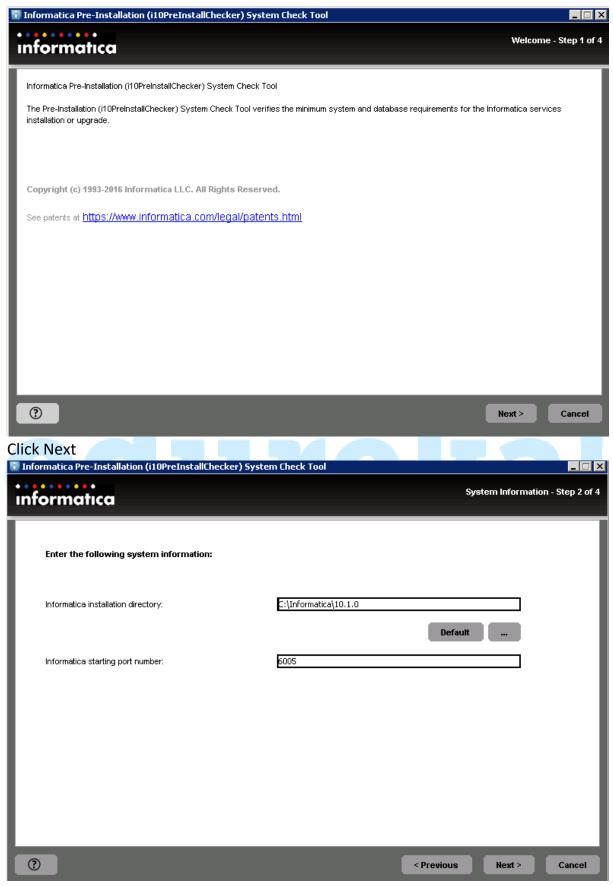


37. Now we will start the server installation. Click on the install.bat file in the server folder. Please note, first we will install the server and then we will configure the repository and the integration service and then we will install the client software and will configure the server connectivity.

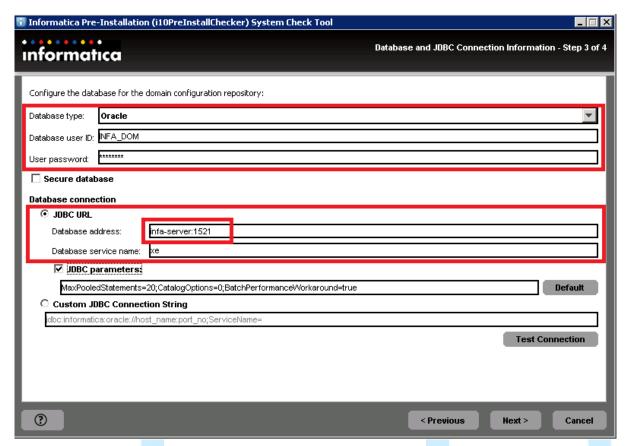
38. When you click the install bat file in the server folder, the following screen will appear.



Please select Run the Pre-Installation check option and then click start.



Provide the path where you are going to install the server software and the port number. Keep the default option unless you have some other applications using this port. Click Next.



Please provide the input as per your own environment.

INFA DOM – The user, that we created earlier for our domain DB.

Infa-server – This is the host name, where this installation is being carried out. For your case the host name may be different. Please use command prompt and type the command hostname to determine your hostname.

```
Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\informatica_di_tech>hostname
infa-server

C:\Users\informatica_di_tech>_
```

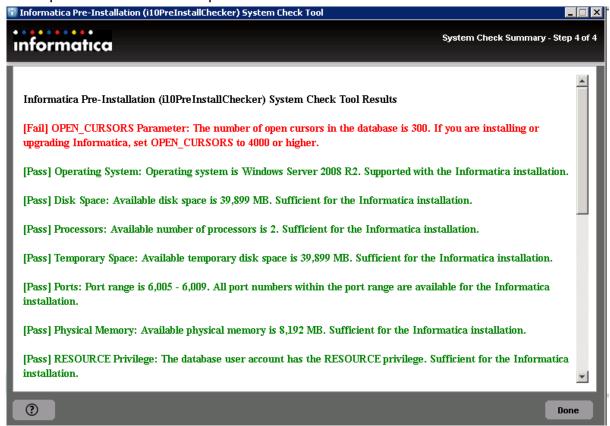
Xe – is the oracle service name. We are using Oracle express edition here hence the service name is Xe but if you are using Oracle enterprise or standard edition, it can be different like orcl etc. Please use the correct service name and hostname before continuing.

1521 - is the default port for Oracle communications, unless you change it during installations.

Click on Test Connect to check if the application can connect to the DB using the credentials provided. INFA\_DOM. If success full then we are ready to proceed.

Once all the inputs provided, please click on next to continue. This will create a report, on whether Information can be installed on your machine or not.

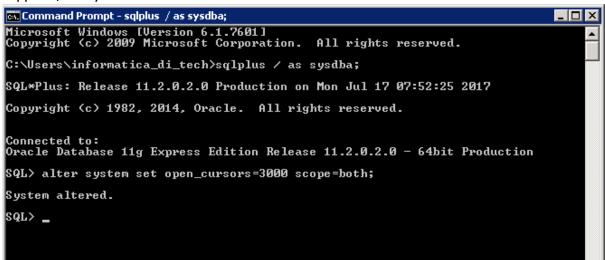
39. It will produce this kind of report.



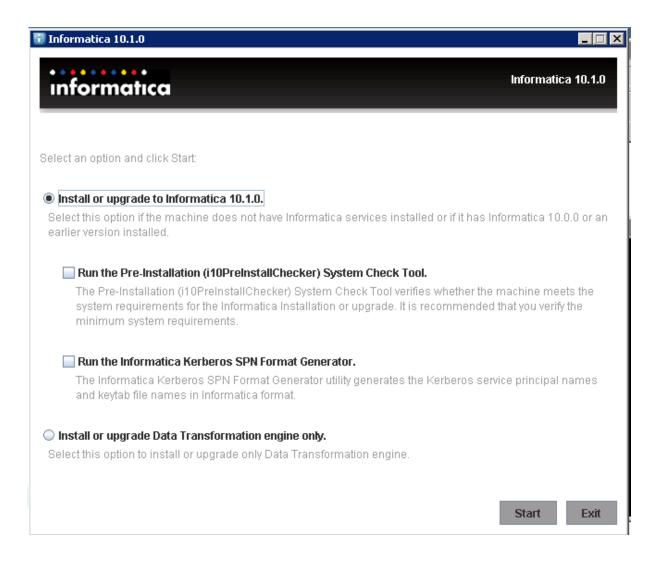
This may vary based on your environment.

- 40. To remove the open cursor issue. Please follow the below steps.
- a. Open command prompt and type

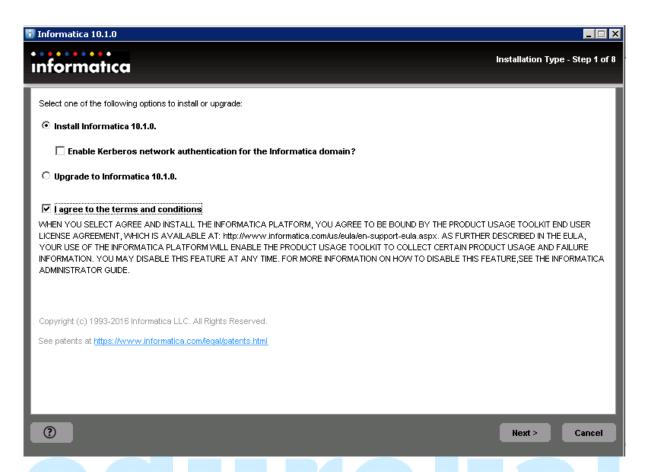
Sqlplus / as sysdba



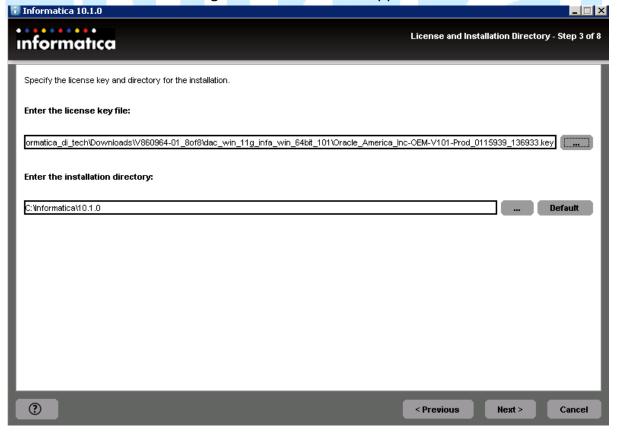
41. Now execute the install.bat from the server folder again but do not check the preinstallation check option.



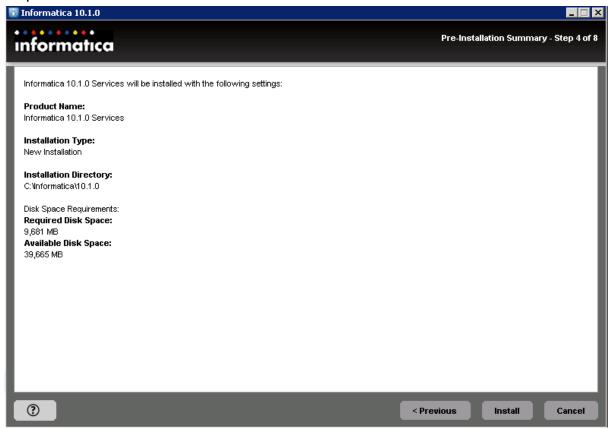
42. Please select the option as shown below.



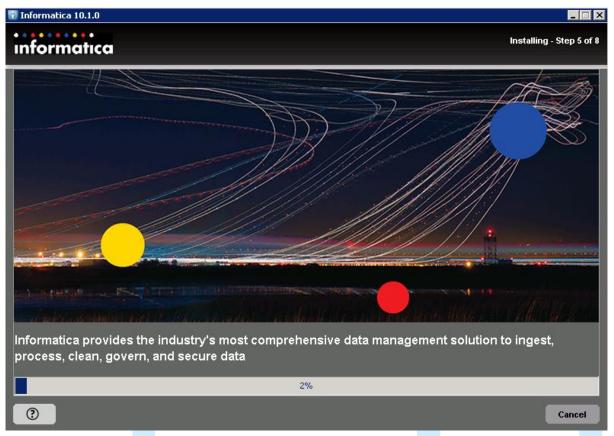
43. Click on next and then next again the below screen appears.



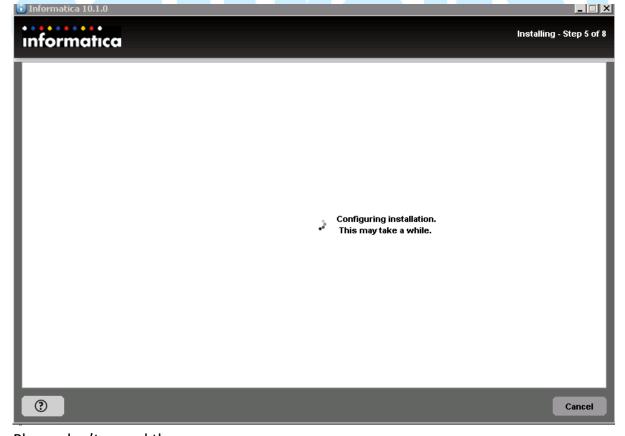
- Select the license key location using the browse button and then click next. Please check the installation folder before you proceed.
- 44. It will show you the installation summary. Please check if this is correct as per your requirement and then click on Install.



45. The installation will start.

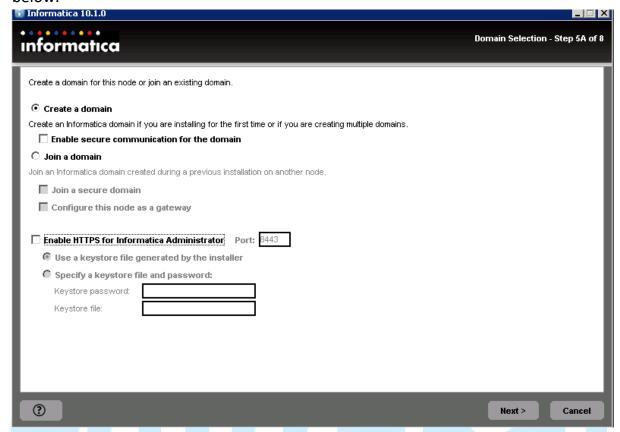


46. It will take some time for configuring the installations.

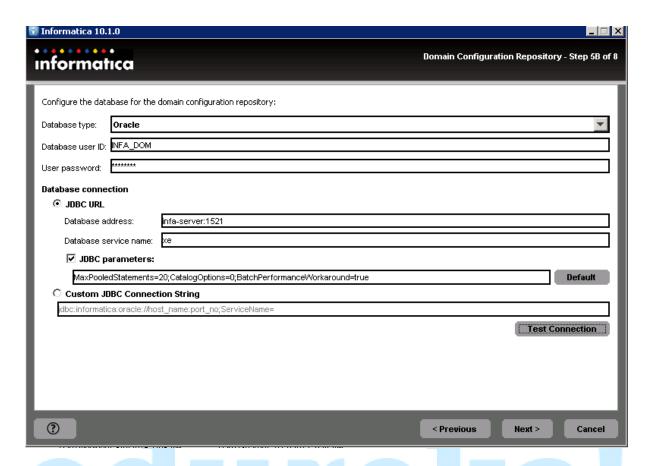


Please don't cancel the process now.

47. The next screen will ask you to create a domain. Please select the option as shown below.



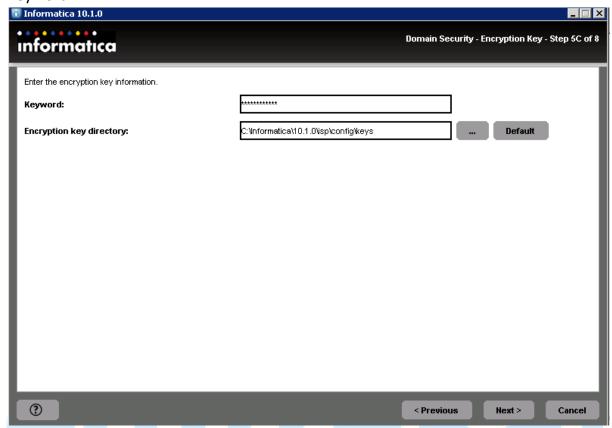
We don't need HTTPS for Informatica Administrator, please do not select the option. 48. Provide the requisite information and then click on next.



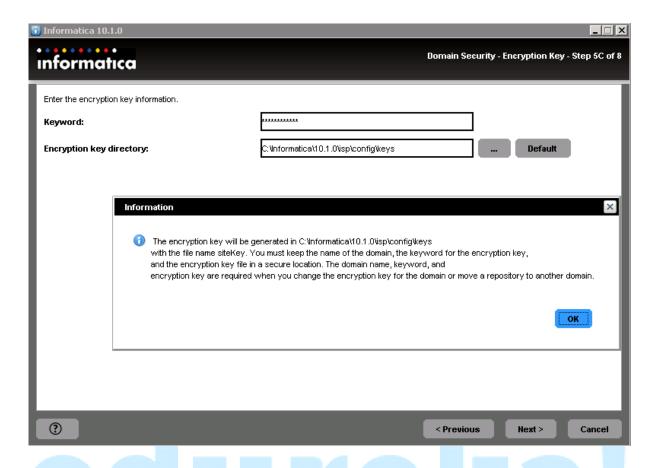
Please double check, if the information provided in this screen are correct as per your environment. Click Test Connect to be sure that, the application can connect to the DB user INFA DOM.

Rest of the information, specifically the hostname and service name should be provided based on your environment may not be exactly same as per the above screen shot. Please ensure correct information provided for all the inputs.

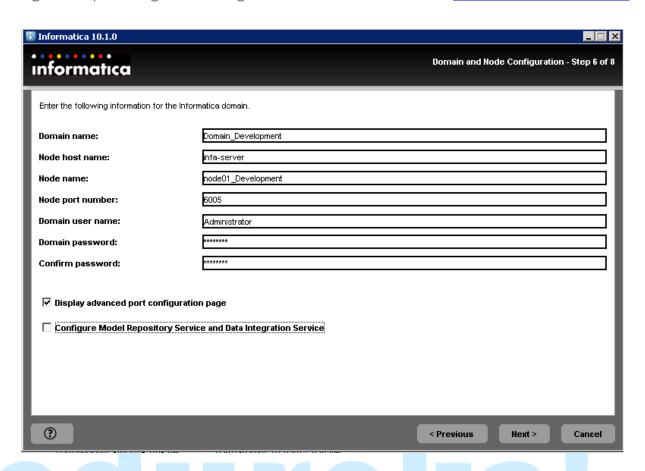
49. It will ask for a keyword. We have used **Edureka@1234**. You can use your own keyword .



50. Select Next

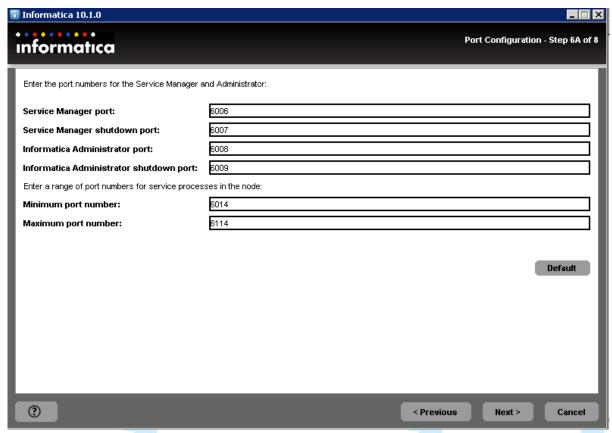


- 51. Click on OK to proceed.
- 52. The domain configuration page will appear. Please provide the information as given below.



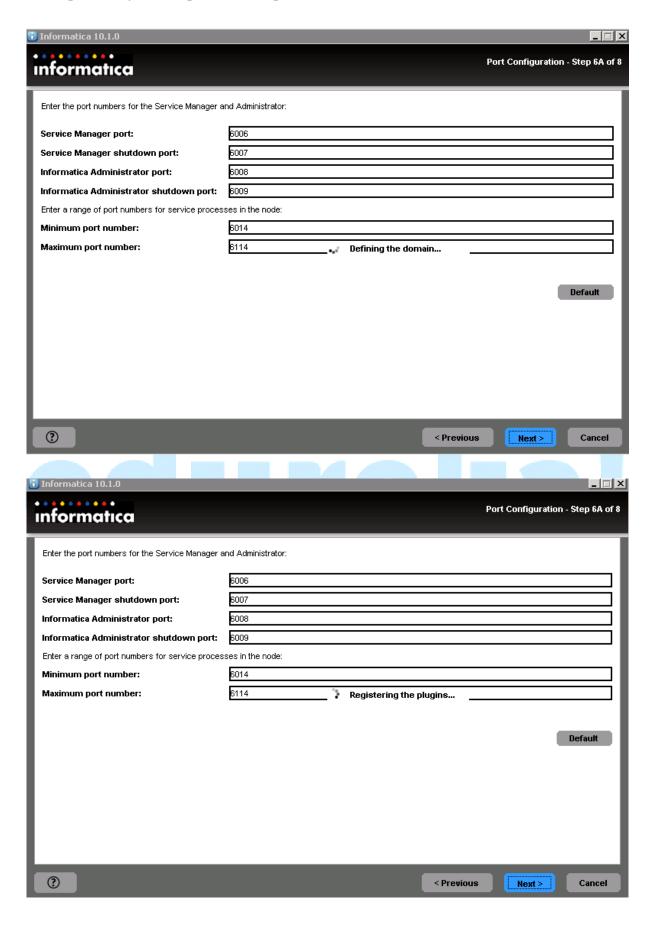
The Domain name, Host Name, Node name and the passwords should be chosen by you as per your own environment. We have used the above one as a sample, you can use your own. The host name should be carefully entered, if you have confusion, use command prompt and issue the command **hostname**, to find your host name.

- 53. Please don't select Configure Model Repository Service option as it is not required for PowerCenter. Click on next.
- 54. This the port configuration page, keep all of them as it is. This is for advanced installations options we are not going to change it.

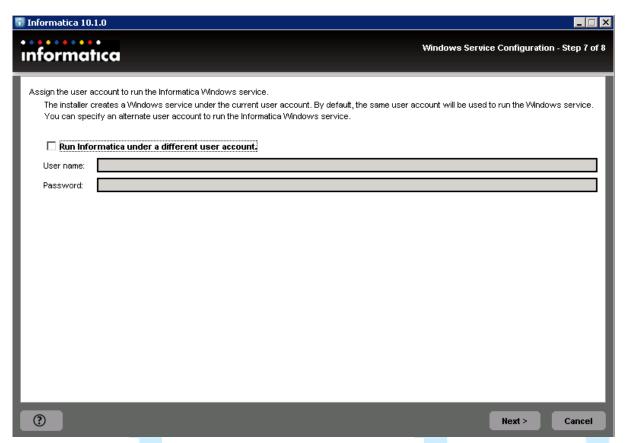


Click Next to start the Domain creation process.

55. The below screen will be shown. Keep patience and don't press any button until you get any confirmation. It may take some time. Please wait till the completion.

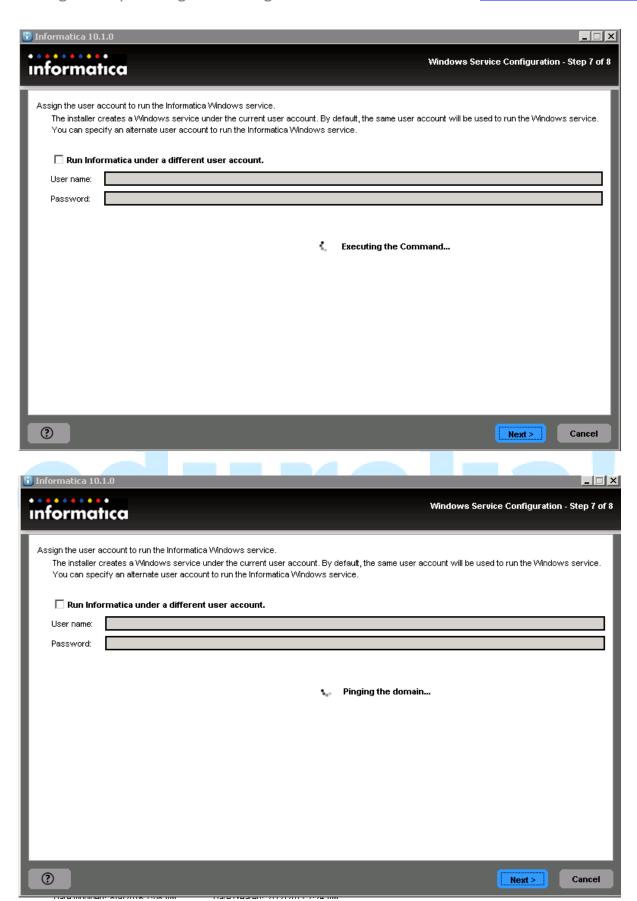


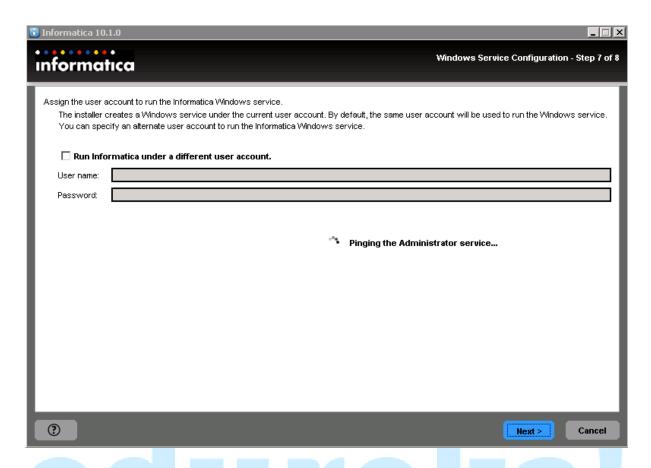
56. If done successfully, the below screen will come.



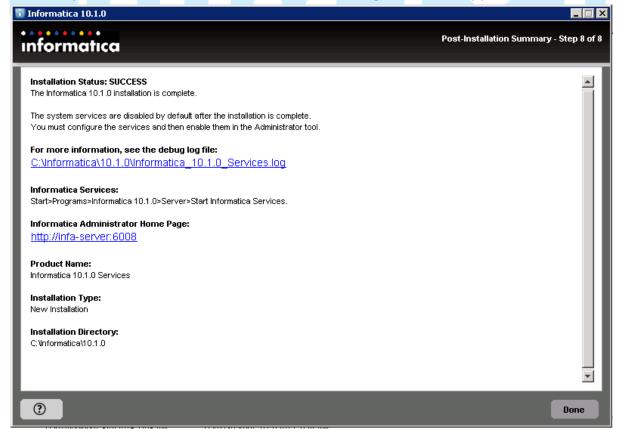
Do not select the Run Information option as we will use the same user to run the Informatica Service. Click on the next.

57. It will again perform some activities. Please don't press any button and wait till the completion.

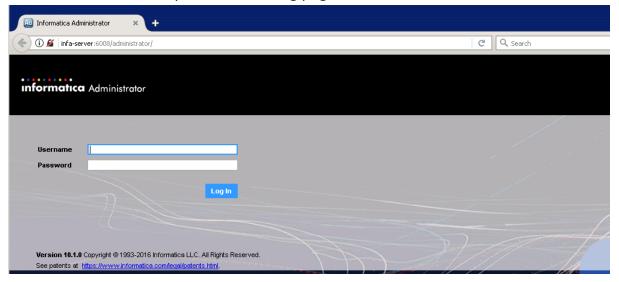




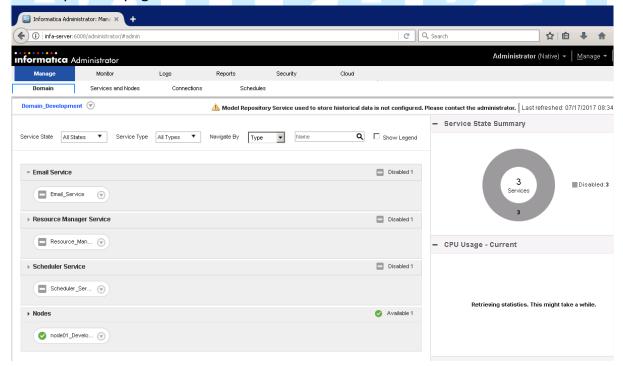
58. If all the processes are successful, then the following screen will appear.



- 59. Click on the Informatica Administrator Home Page link provided in the link and then click on **Done.** The link will open the Administration console for your installation. We will use this console to create the repository and the integration services.
- 60. The Web browser will open the following page.

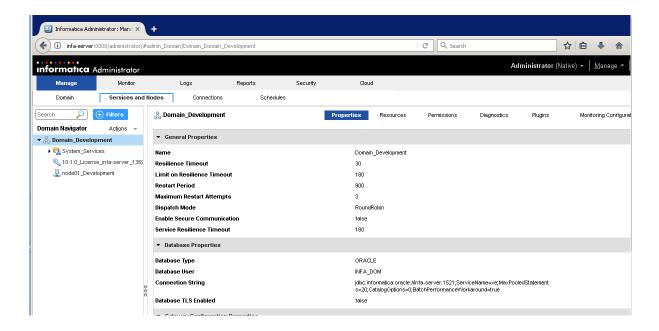


- 61. Provide the username as Administrator and the password that you have provided earlier during step 53. Click on Login.
- 62. It will open this page.

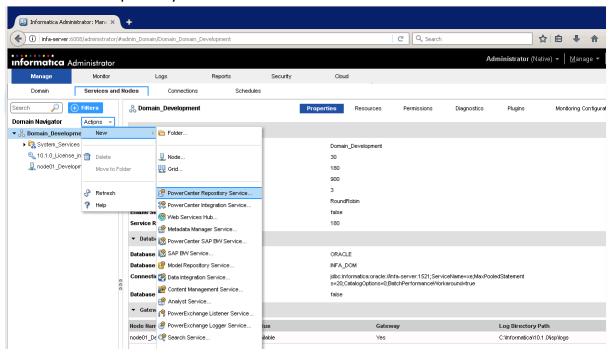


Here we will configure the Repository and the Integration services.

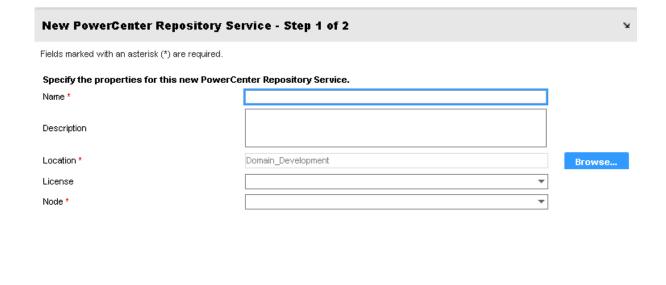
63. Go to the Services and Nodes Link on the web page. It will take you the below page.



64. Select the domain and then go to Actions menu just beside it and then select New -> PowerCenter Repository Service.



65. Screen for new repository service creation will come up.



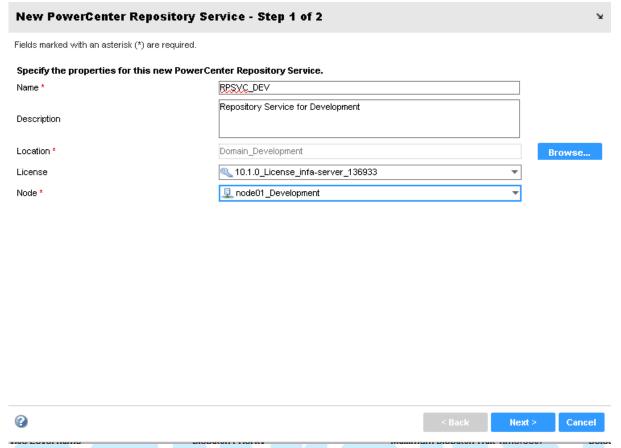


does not contain any space.

Provide the inputs as shown below. The name can be as per your choice but make sure it

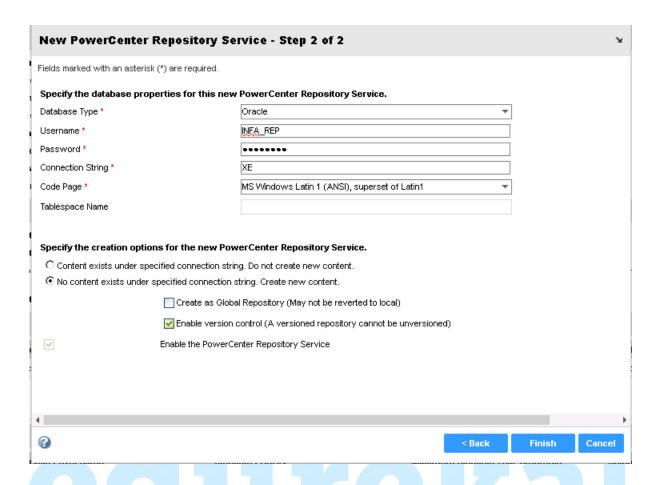
Next >

Cancel



Select the License and node from the drop-down options provided in the page. Click Next.

66. Please look at the options selected carefully and then proceed further.



## Database type – oracle

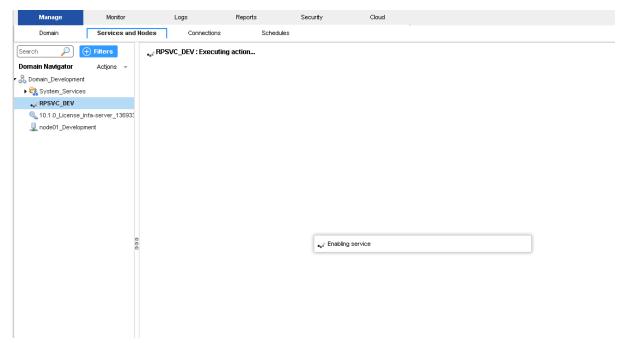
Username – INFA\_REP (This is the user that we have created earlier for our repository DB) Password – Provide the password that you have kept for INFA\_REP.

Connections String – XE (The service name of your oracle instance. It can be different based on the edition of oracle you have installed. If this is express edition then it will be XE else if the oracle is enterprise or standard then it can be different than XE. Please make sure about your edition and service name of the oracle installed in your machine.)

Codepage – Keep it as it is.

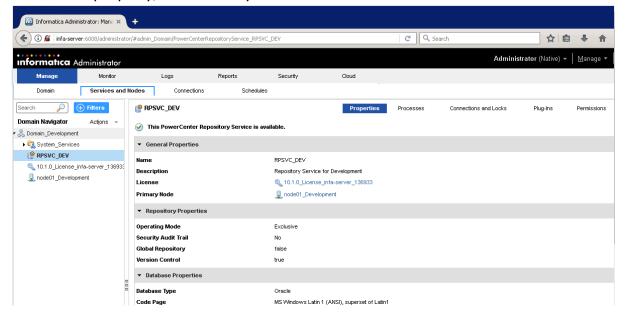
Select No content exists and then enable version control. Please don't select Global Repository option as we will create a local repository not a global one. Click Finish.

67. It will start creating the service and content for the service.

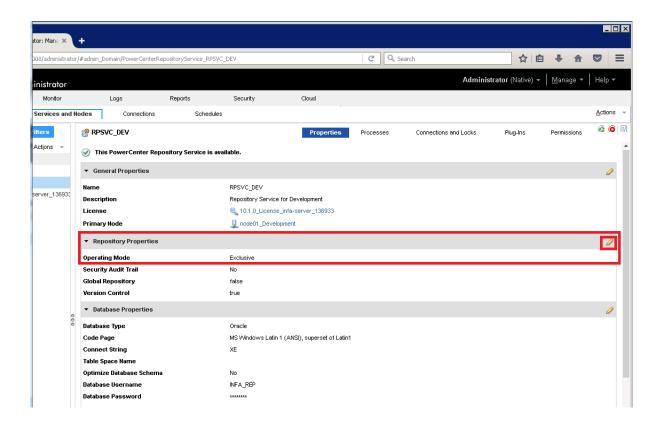


Wait till the process finishes.

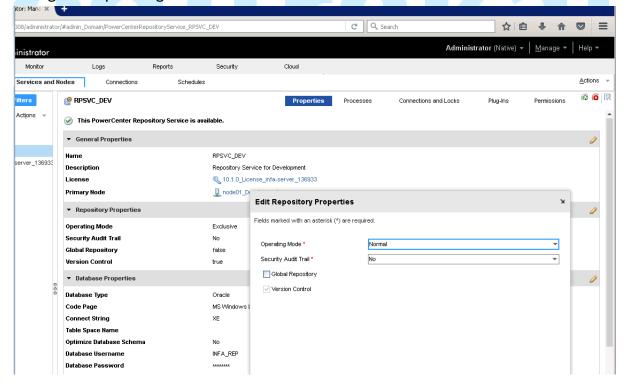
68. Once done properly, it will show you the below screen.



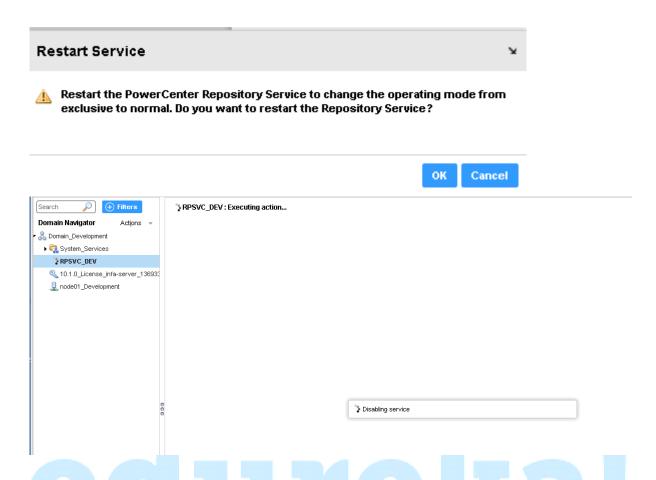
- 69. Now the repository service has been created and we will create the Integration service. The creation of Integration service is dependent on the Repository service and hence we have to first create the repository service and then we can create the integration service.
- 70. Before we start creating the Integration service, we need to change the operating mode of the newly created Repository Service from Exclusive to Normal. When the Repository Service is crated, the operating mode remains Exclusive, we need change that once the Repository Service creation process is complete.



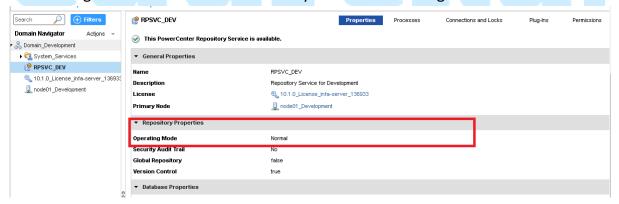
71. Click on the edit button (enclosed within a small square above, looking like a golden pen), to change the operating mode.



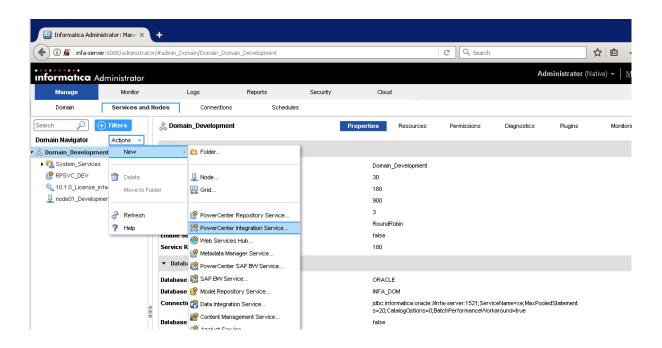
- 72. It will open another interface and you have to use the drop down to select normal from there. Please do not change any other option. Click on OK.
- 73. It will ask you to restart the service. Click OK.



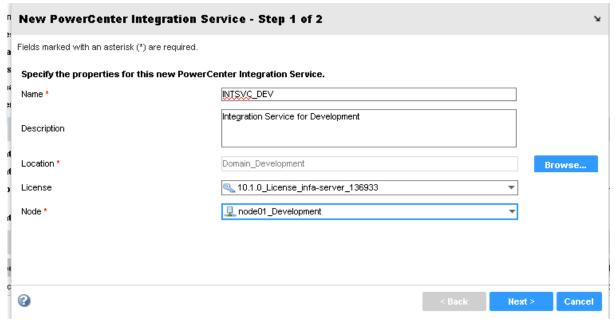
74. Once done properly, the main page will look like this. Please note the operating mode has been changed to Normal and we are ready to create the Integration service.



75. Select Domain->New->PowerCenter Integration Service.

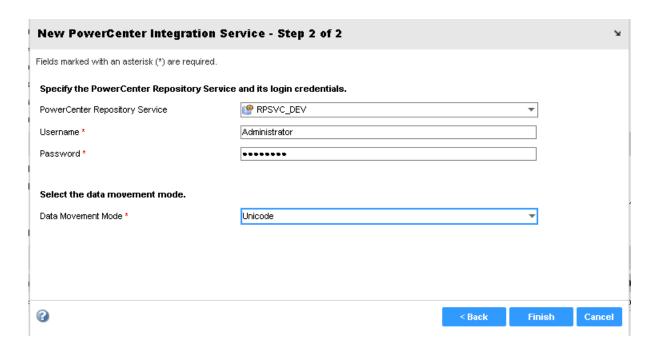


76. New Integration service creation page will come up. Provide the inputs as shown below.



Name – INTSVC\_DEV (The name of the integration service)
License and Node need to be selected from the drop down. Click on Next.

77. The next screen will associate the integration service with an existing Repository Service. It will ask for name and credentials for the existing repository service.



Select the repository service from the dropdown.

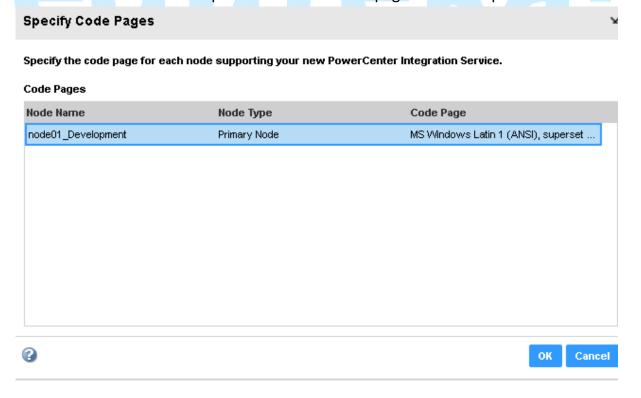
Username- Administrator (The same user name, that you have given during step 53.)

Password – Provide password for Administrator user.

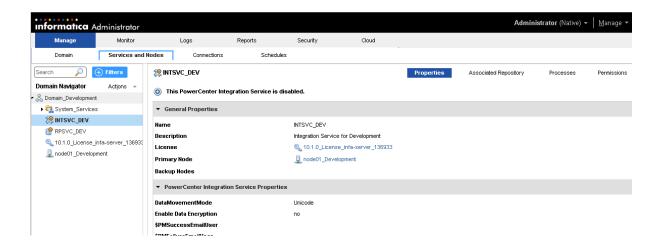
Data Movement mode – Select Unicode. ASCII can also be chosen.

Click OK

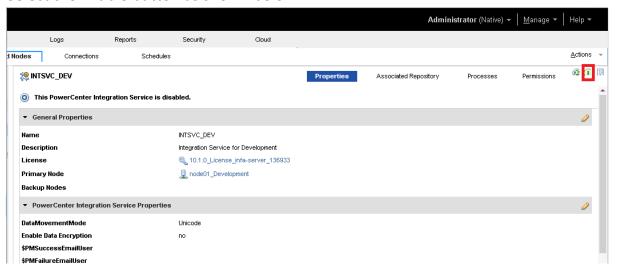
78. The next screen will come up for selection of Code page. Please keep it as it is and select OK.



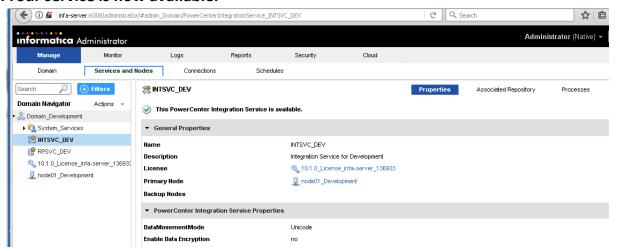
79. The integration service will be created but will be in disabled state.



80. Select the Enable button as shown below.



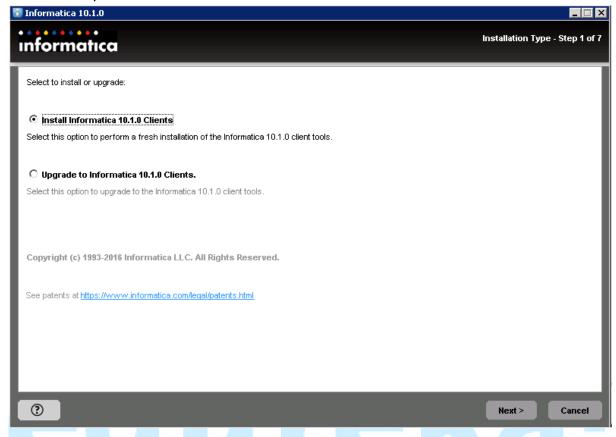
81. Your service is now available.



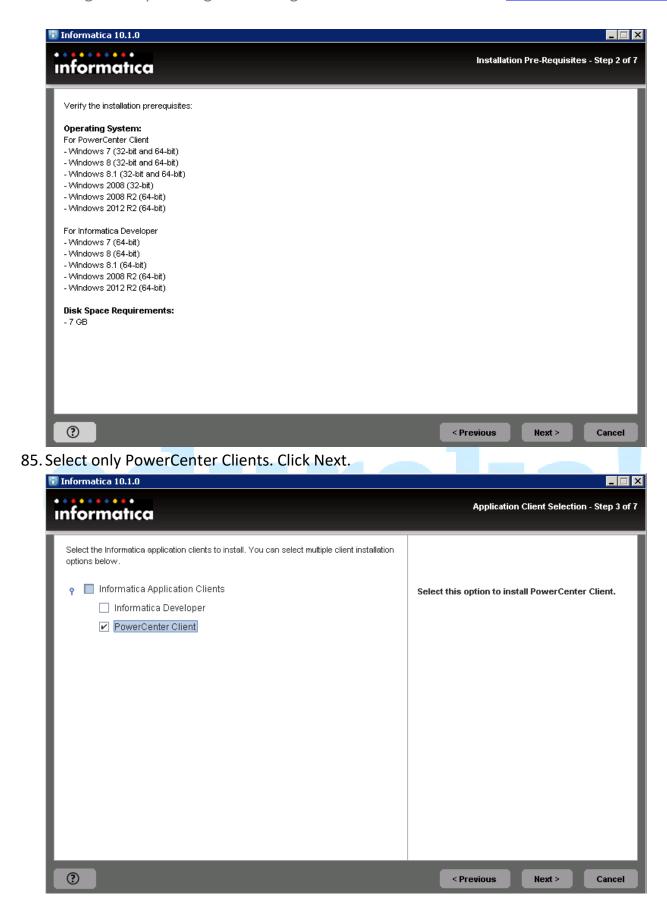
This completes the server installation process.

We will now start installing the client software.

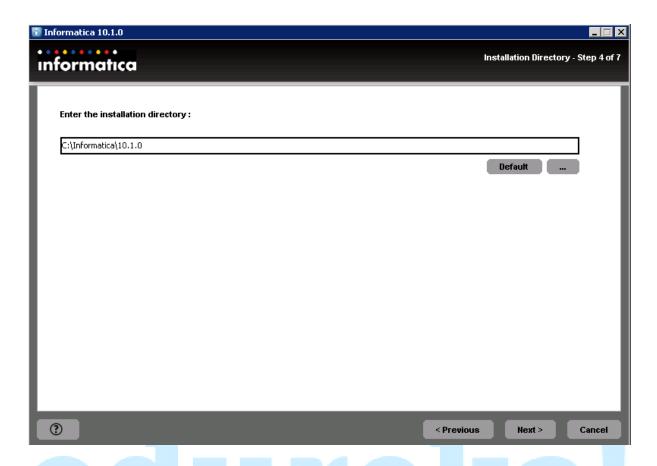
- 82. Go to the folder C:\Infa\_client\_download. Click install.bat. The client installation will start.
- 83. Select the option as shown below and click next.



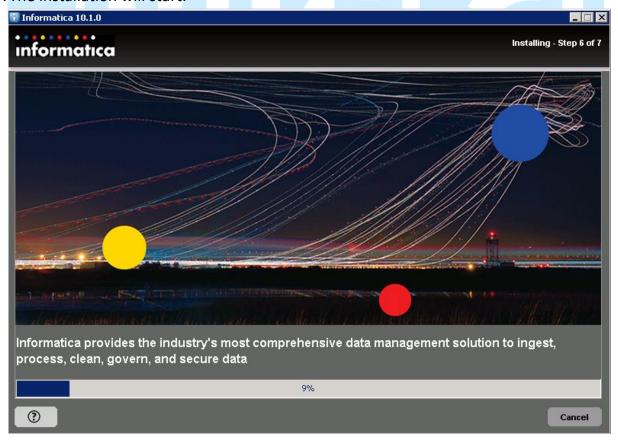
84. The confirmation screen appears. Click Next



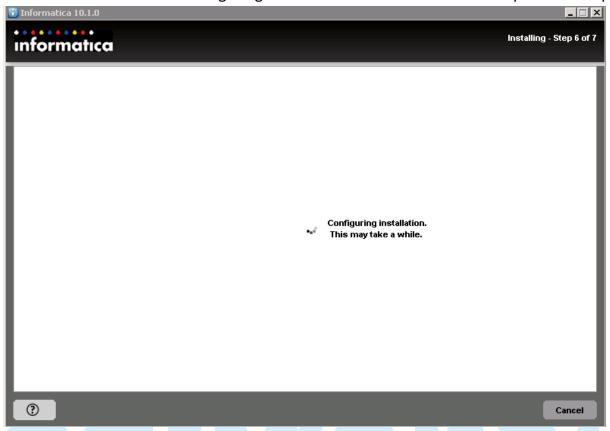
86. Provide the location for client installation. Click Next and then click install.



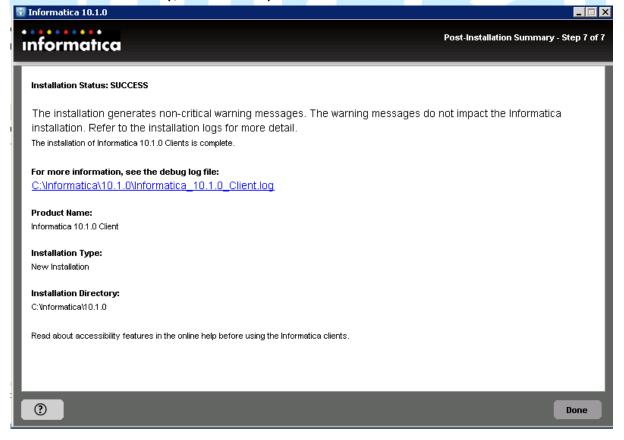
87. The installation will start.



88. It will take some time for configuring the installation. Please wait till the process completes.

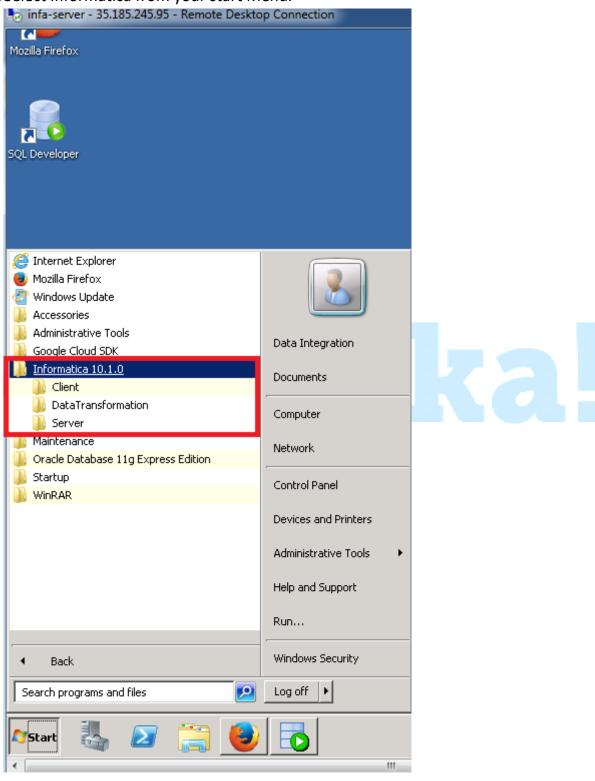


89. Once done successfully, it will show you the successful screen.

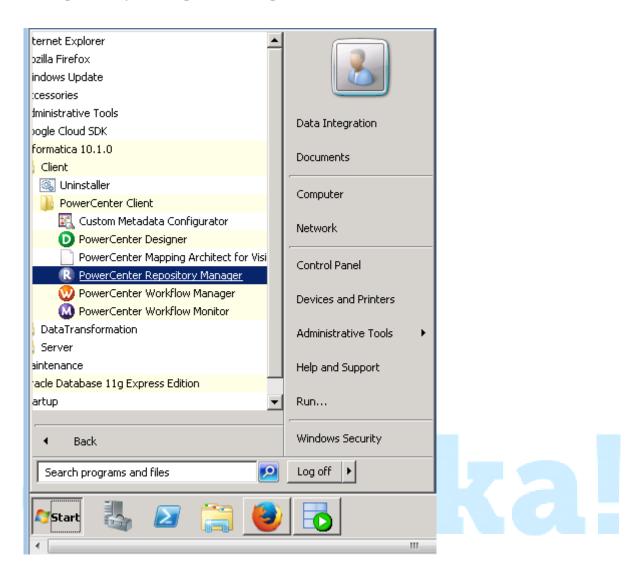


Click on Done. Your Client installation completes here and now we will configure the client to connect to the server.

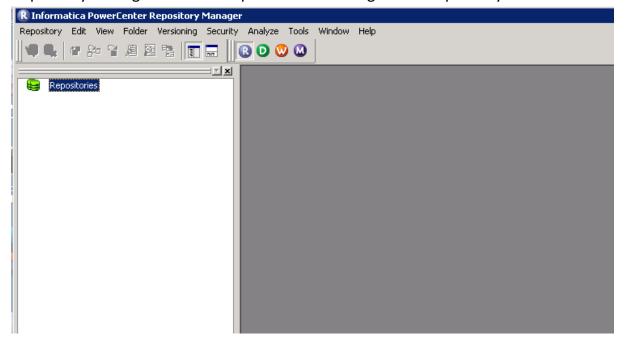
90. Select Informatica from your start Menu.



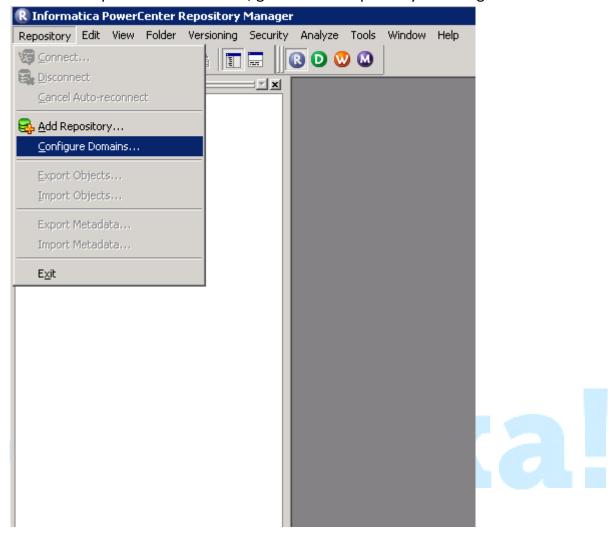
Select Client->PowerCenter Client->Repository Manager.



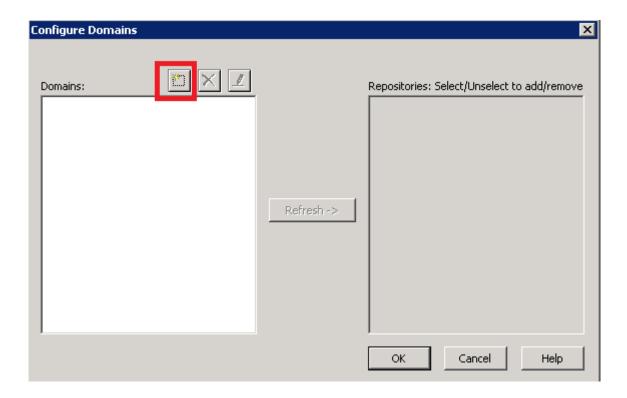
91. Repository Manager Client will open. We will configure the repository now.



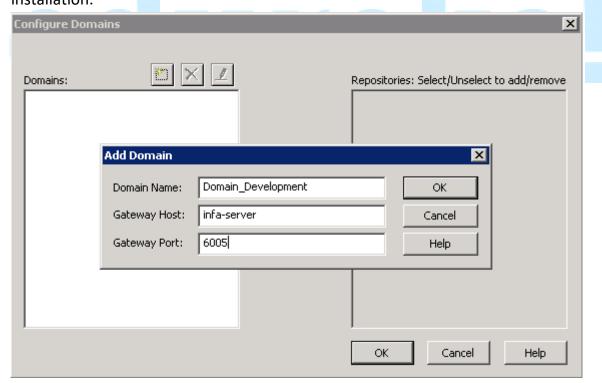
92. While the Repositories is selected, go to Menu Repository -> Configure Domain.



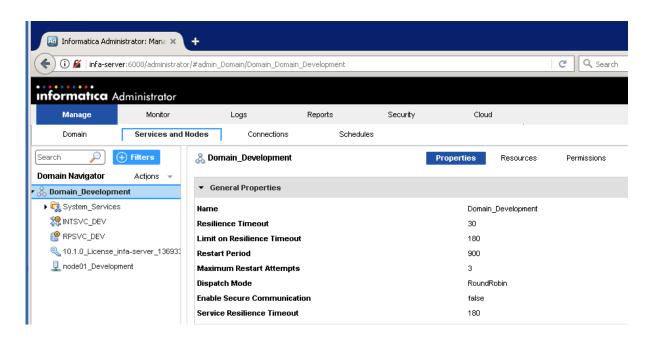
93. The Configure Domain window will appear. Use the create button in Configure Domain window. to start domain configuration as shown below.



94. The Add Domain window will come up. Please provide the input based on your server installation.



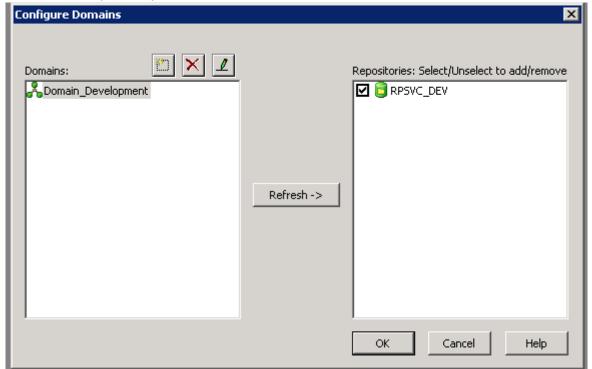
Domain Name – Provide the domain name that you provided during installation. You can also verify it from Administration console.



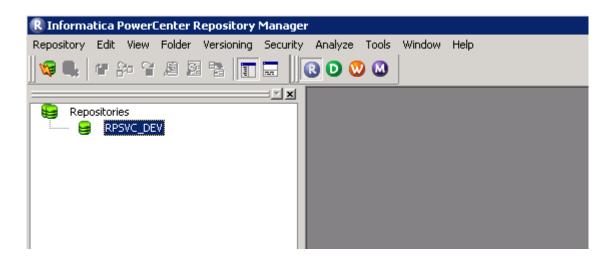
Gateway host – This is your hostname. Infa-server is the host name where this installation is being carried out. To be sure about your host name, please use command prompt and execute command hostname.

Gateway port – 6005. This is by default, unless you have changed it during advanced port configuration. Most of the cases it remains default.

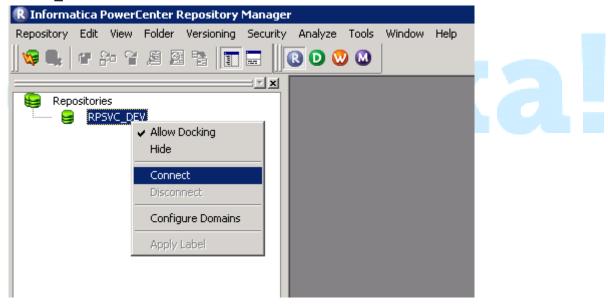
Click OK. It will show you the existing domain and the associated repositories with it. For our case as we have only one repository configured, we will only see one repository. Select that repository and then click OK.



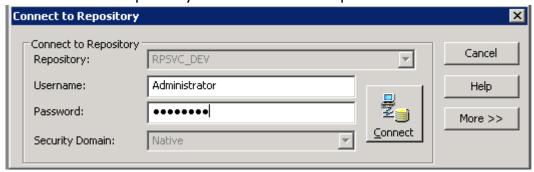
95. The selected repository has been configured.



96. Double click on RPSVC\_DEV. It will ask for login credentials. You can also right click on RPSVC\_DEV and click on connect.



The Connect to Repository Window will come up.

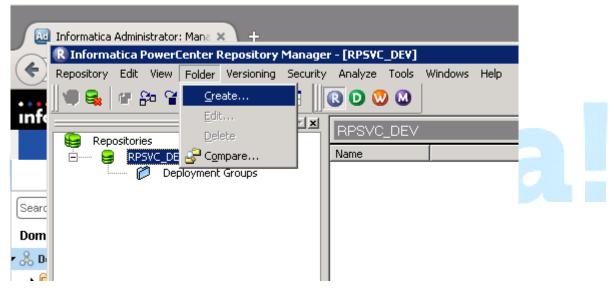


Provide username- Administrator and Password that you have kept for user administrator and click on connect.

If properly connected it will look like this.

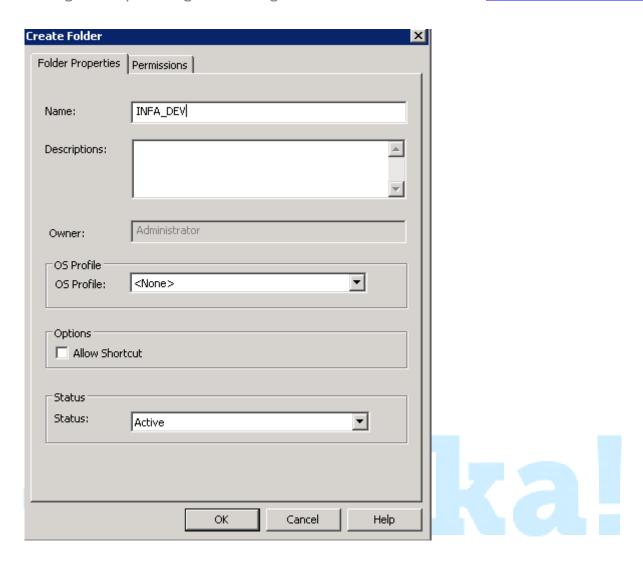


- 97. The next step is to create a folder. Unless we create a folder, we can't start our development.
- 98. To create a folder, click on the menu Folder -> Create.

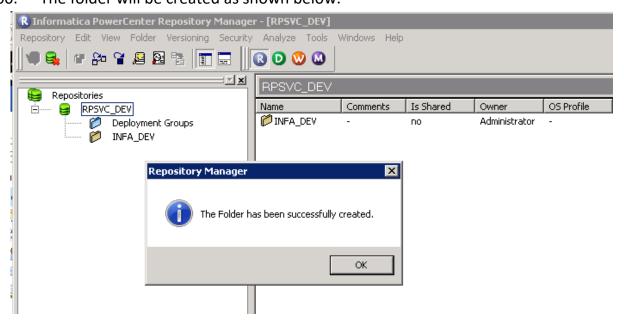


The create folder window will come up.

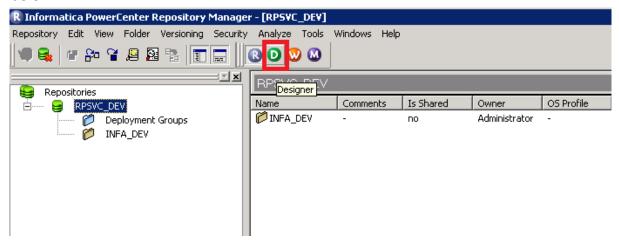
99. Provide the folder name without any space and then click OK.



100. The folder will be created as shown below.



101. Now open the PowerCenter Designer from Repository Manager. Click on the **D** as shown below.



102. The Designer window will open. Right click on the folder INFA\_DEV and then click on OPEN. It will open the interface for you to start your Mapping Design Activities.

This concludes all your activities related to Entire Informatica Installation and configuration.

