Installation Manual

For Red Turf

Version 1.1

Tanvi IT Solutions Inc

4211 Pleasant Valley Rd,

Suite 230

Chantilly,

VA- 20151

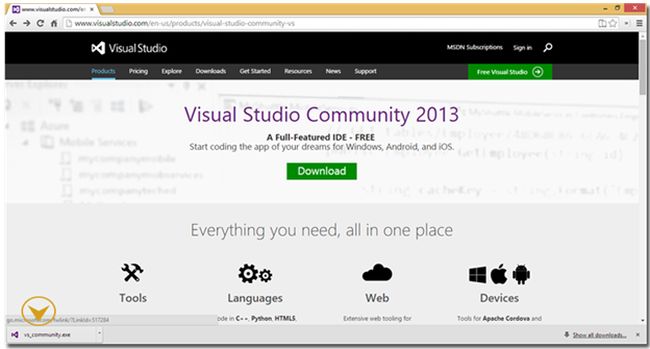
**Approval History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version (x.y) | Prepared By | Reviewed By/Date | Approved By/Date |
| 1.1 | Nagoor Inaganti | Nagoor Inaganti  3/4/19 | Nagoor Inaganti  3/4/19 |

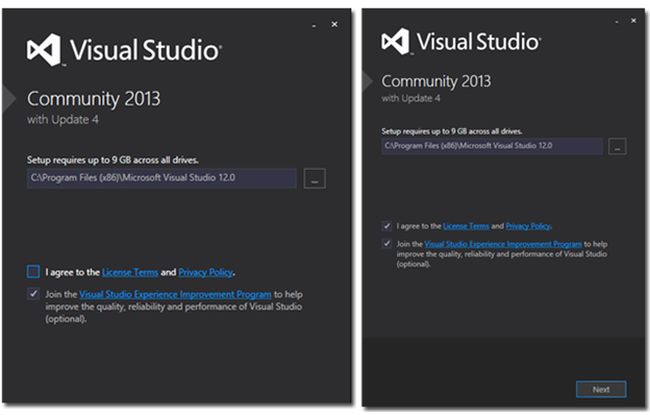
# Software Installation:

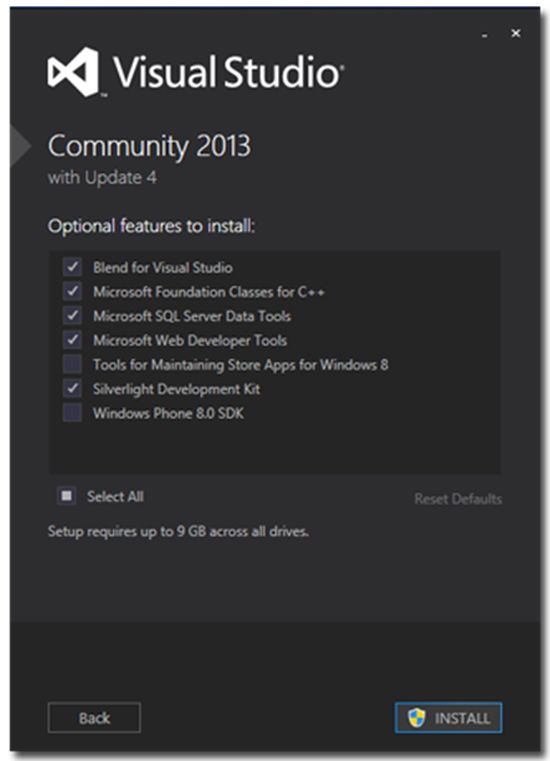
# Visual Studio 2013 Installation:

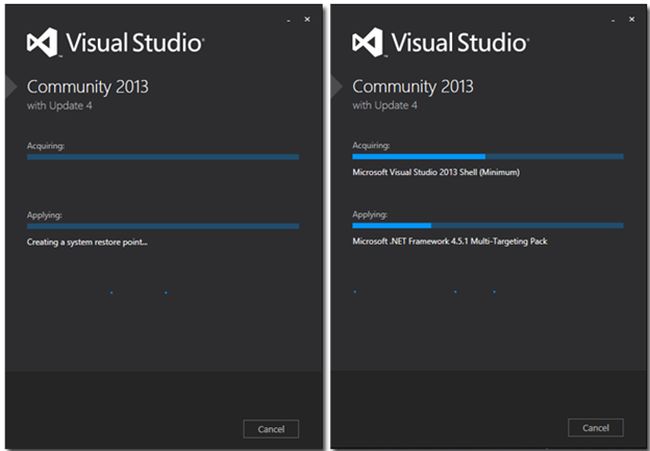
* For this Project we are installing the VISUAL STUDIO Professional 2013.
* At first it is recommended to know the System Requirements and compatibility criteria for installing Visual Studio.
* The general hardware requirements are of 1.6GHZ or faster processor, 1GB of Ram (1.5GB if running on a virtual machine) and a 10GB of free space for a typical installation.
* It is recommended to have the Windows 7 and higher versions of the Operating Systems also the .NET 4.5.1 is a highly compatible in-place update of .NET 4 and .NET 4.5.
* Click on the following URL to download the Visual Studio
* <https://www.visualstudio.com/en-us/products/visual-studio-community-vs>.
* If you are running the Visual Studio in a Virtual Machine, we should have all the necessary packages needed to run the Visual Studio.
* The page displays the various editions of Visual Studio that are available as for our project we are going to download the Visual Studio 2013 Professional. Click on the download button and an installer file will start downloading.



* When we opened the drive folder, we have different files. We need to run the file type named Application that is named as VS\_Professional (Where it is called the Setup file).
* Visual Studio will launch a screen where we can choose our own path to install the visual studio once again, we have to make sure that it has the sufficient free space.



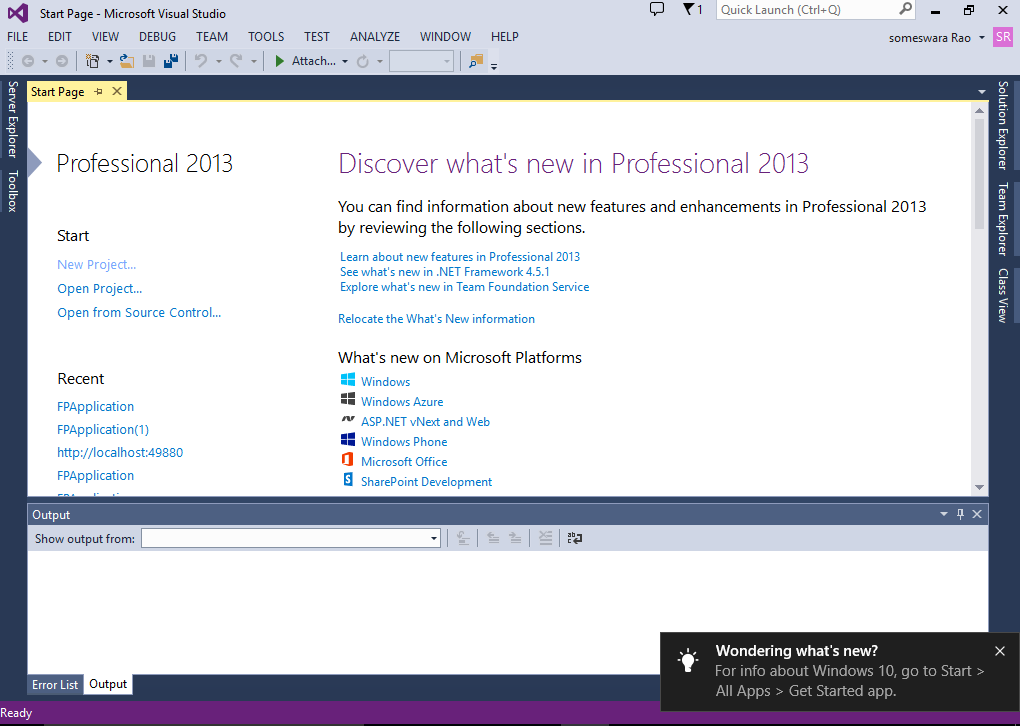
* You must agree the license terms to install.
* After clicking the next button, a new window will appear where you can check or uncheck the features. Then click on the Install button. 
* When the installation process is going it will ask to restart the computer many times.



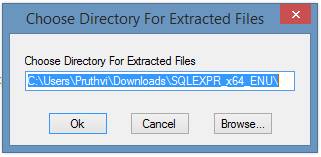
* After completion of the installation it will displays the Launch screen. Once you selected the launch button Visual Studio will ask us to login or you can skip the login functionality.



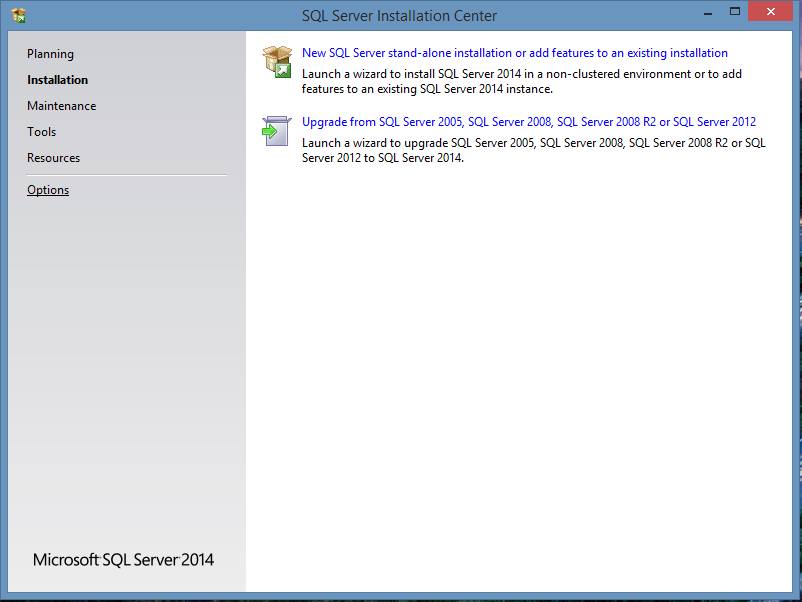
* But if admin logs in it will be helpful to know the latest updates and releases. We have to use the Microsoft Account to login.



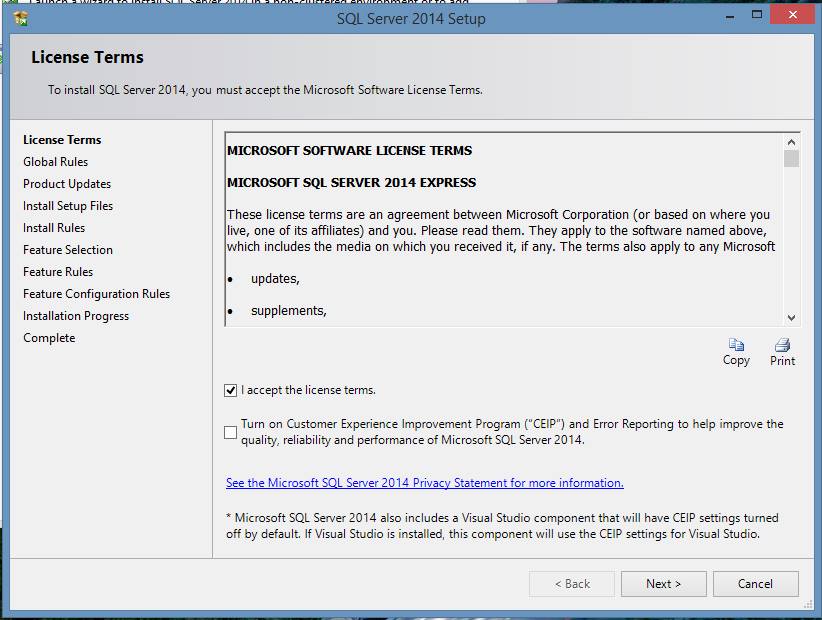
* SQL Server 2014 Installation Process:
* SQL Server Express Edition 2014 Installation:
* System Requirements:
* Supported Operating Systems: Minimum of Windows Vista.
* To download the SQL Server Express Edition first login into your Microsoft Account.
* We have to download the express 64-bit or 32-bit based on the laptop configuration.
* After we downloaded the required file in it double click on it to run the application.
* It will ask for the preferred location to extract the files.

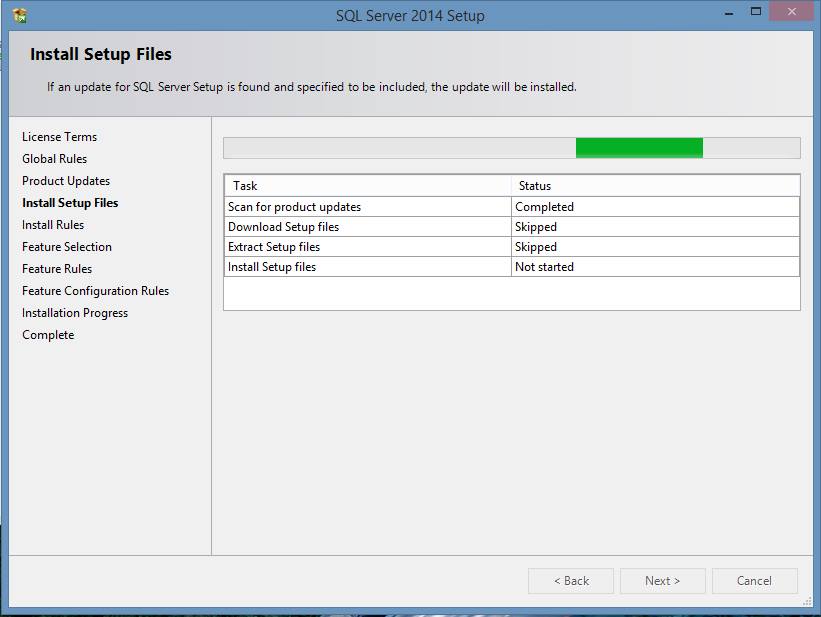


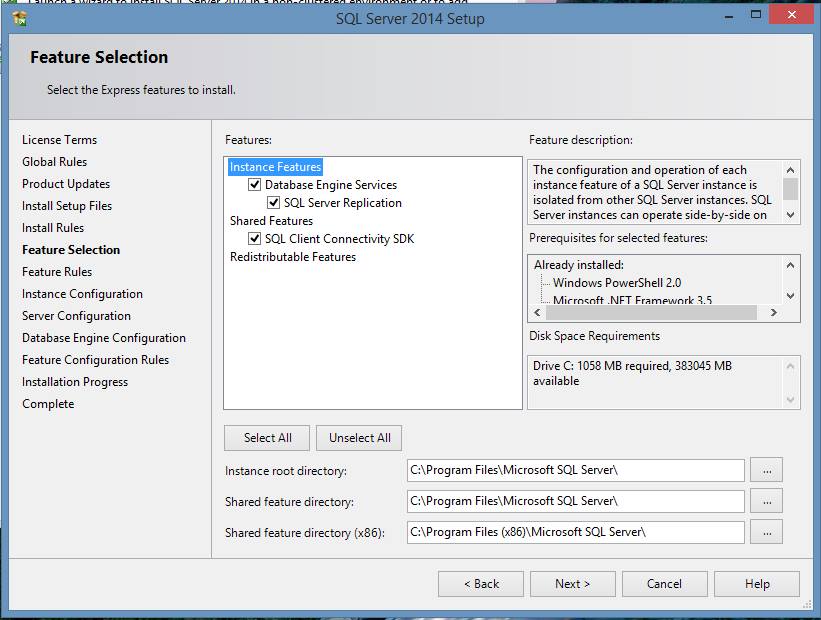
* Now a new window will open to install the new one or upgrade already existed one. Now we are installing the new SQL-Server installation.



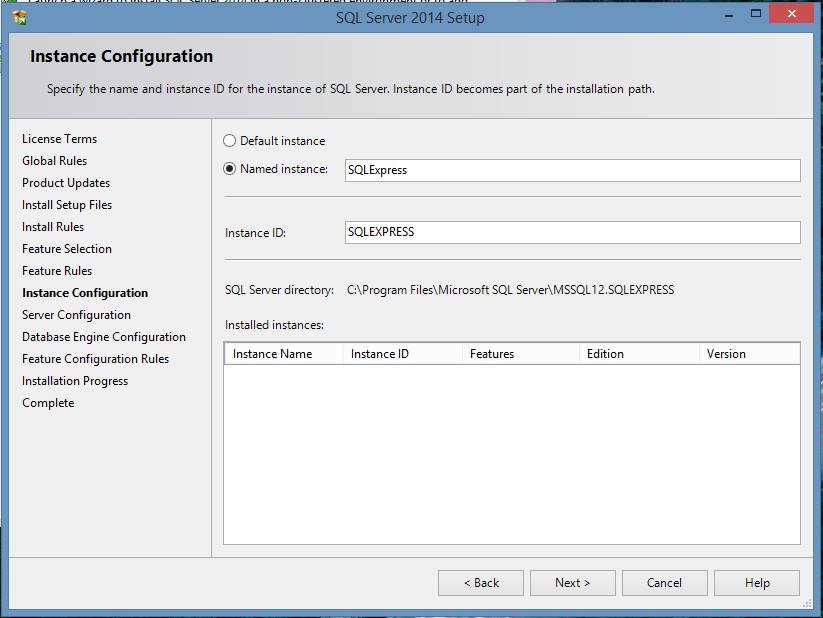
* It will ask to accept the license terms and select next. Then it will ask us to check the Microsoft update which is recommended and click the next button.



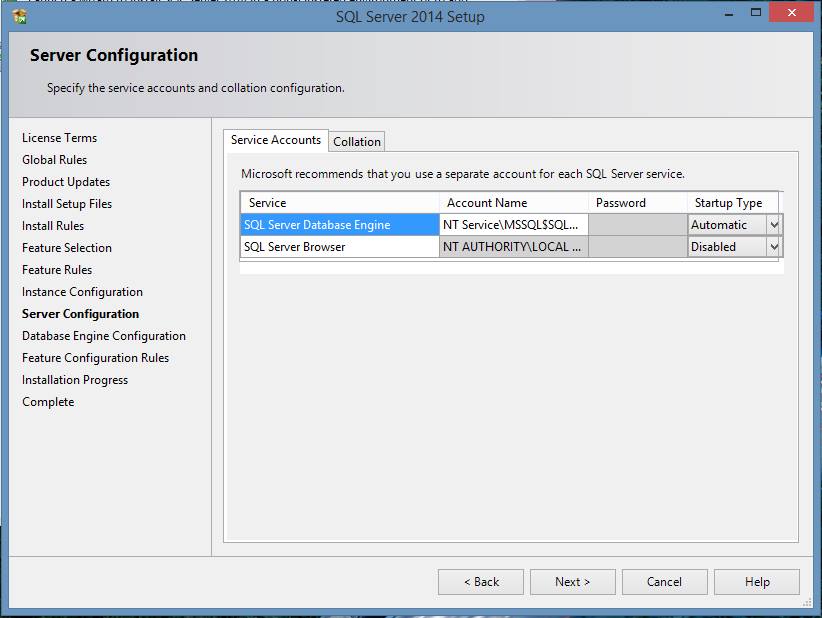
* This will take us to the setup files which is automatic process once completed installation it will moves to the next section (Feature Section).
* We need to select all the functionalities and also we have to make sure that we have installed the Microsoft .NET framework 3.5 and click next. To check manually that the .Net framework 3.5 is installed first open the control panel and select the program.
* In that select Turn Windows Features On or off. A pop-up will be displayed where we have to enable the. Net framework 3.5 (includes .Net 2.0 and 3.0).



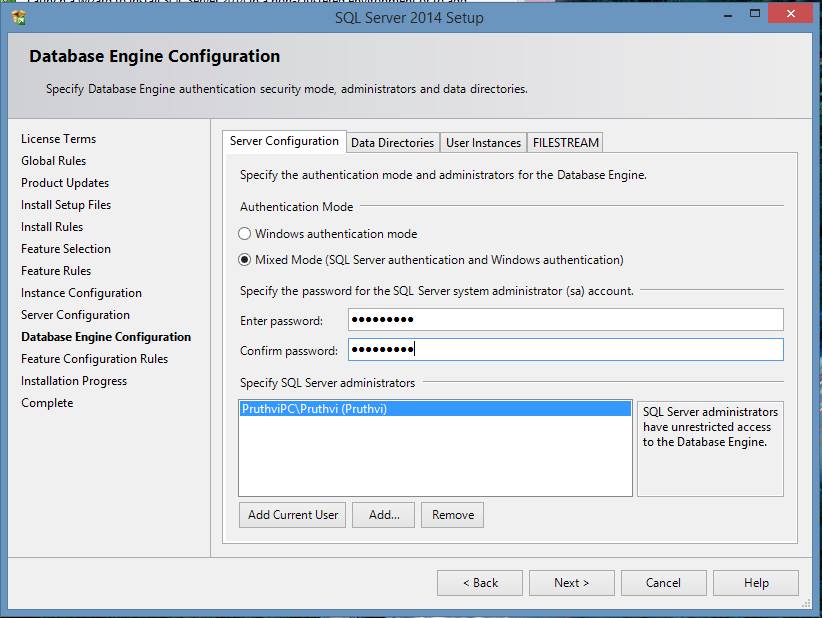
* Check the named Instance and click next



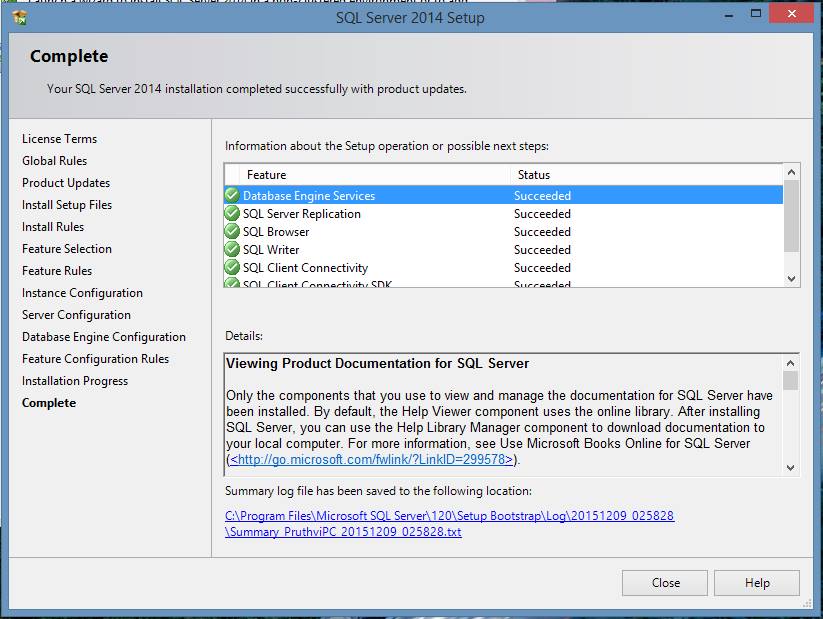
* And in the Server Configuration the SQL server Database Engine startup type will be automatic and if you need enable or disable the SQL Server browser and click next.



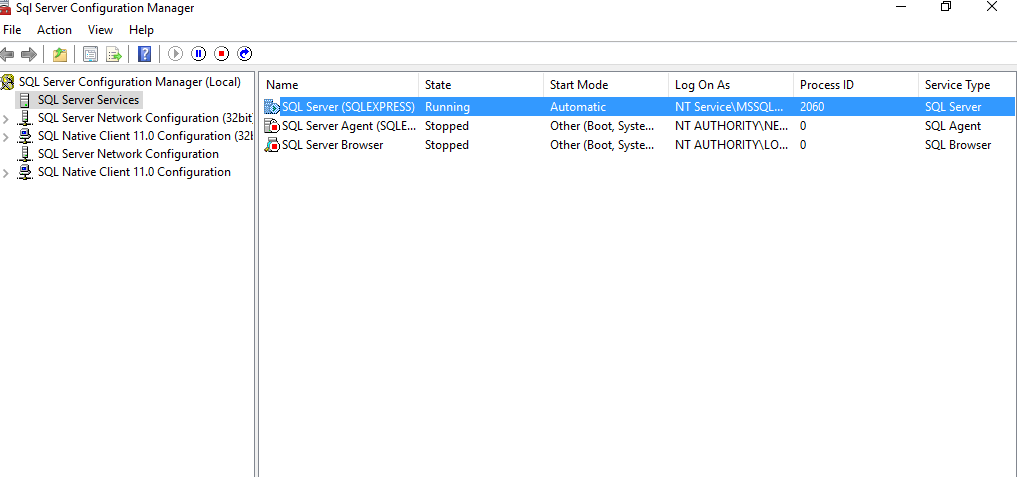
* In the database Engine configuration make server configuration authentication mode has mixed mode and specify the password for Sa account and click next. “Here I used the mixed mode to have the better controlling options over the server rather than the default Windows Authentication Mode”.



* Then the installation will be done, and we can review in the final complete document.

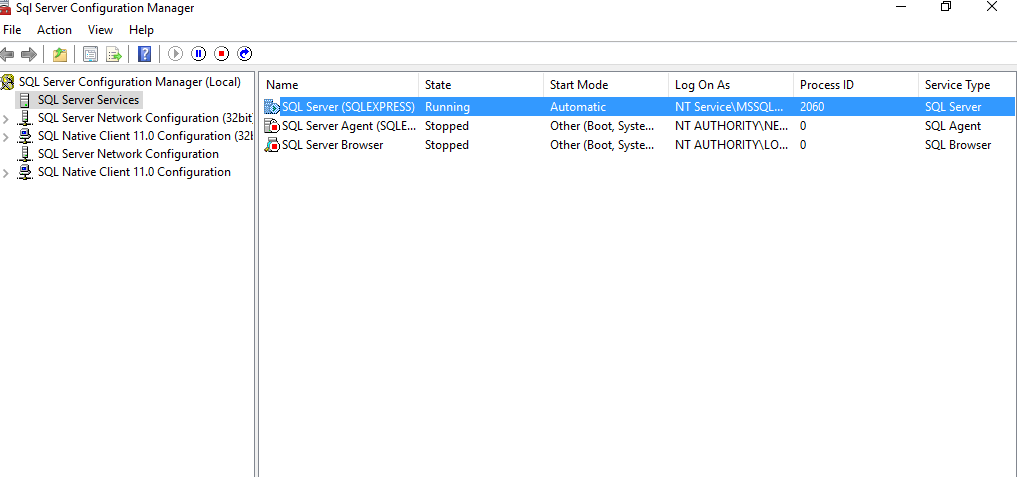
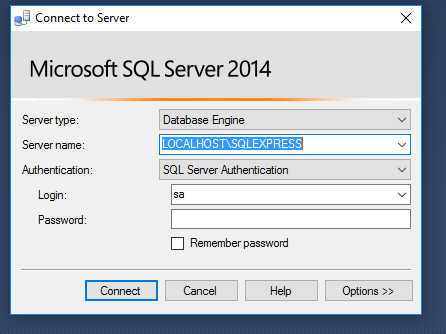
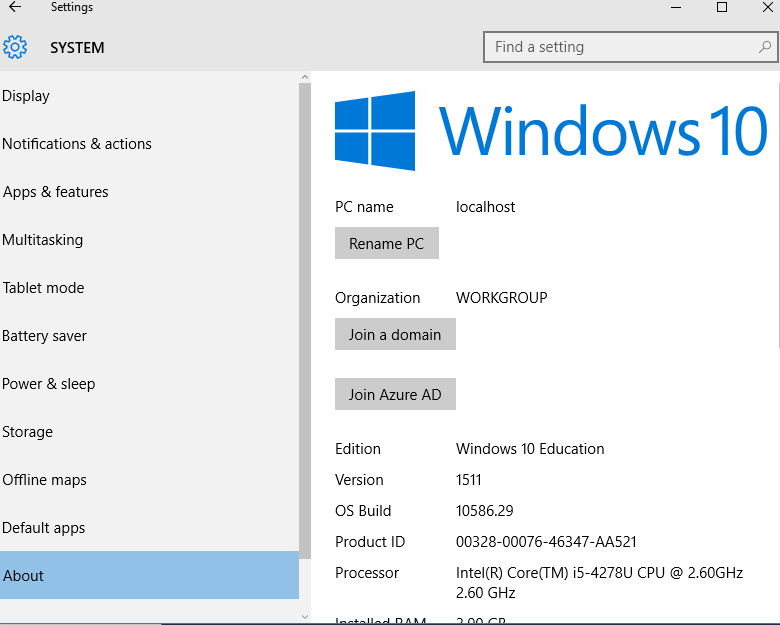
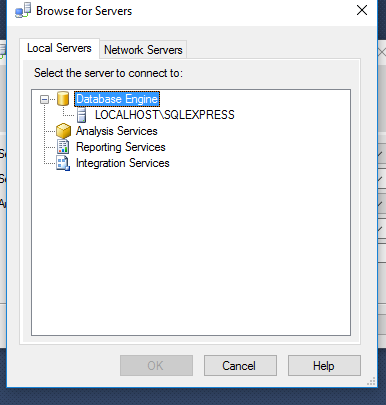


* Now the installation is done, and you can check the SQL server connected in the SQL server configuration.



* SQL Management Studio:
* Once the file is downloaded save the file and run the executable file it will ask for the path to extract files and click ok.
* Now a new window will open to install the new one or upgrade already existed one. We have to click on the new installation.
* It will check for the product updates if there are no updates click on the next setup files, which install automatically and click next.
* In the installation type perform a new installation and click on the next.
* Then accept the license terms and click next.
* Select the required features and click on next.
* It will take some time to install the process and it will display the complete window.
* Now open the Management Studio application and check the server name and authentication mode and click connect.
* The database is now connected.

**Software Configuration:**

* 1. Here at first, we have to check the SQL Server is running or not. We can check it in the SQL Server Configuration Manager.
* 
* Then open the SQL Server Management Studio. “Here the Server name is LOCALHOST\SQLEXPRESS we have to make sure that this server name should be exactly same in the .NET application to connect the database”.
* 
* To connect as LOCALHOST in the Management Studio at first we have to rename the PC as LOCALHOST which is shown below
* 
* After renaming the system it will ask for a restart.
* Once restarted the server will run in the LOCALHOST name and in the Management Studio when we click on the drop-down button in the Server Name we have to select browse for more. Then if we expand the database engine, we can select the renamed Server Name by changing this it will helps to run the application in .NET without any editing in coding like this
* Instantiate the connection
* SqlConnection conn = new SqlConnection("DataSource=LOCALHOST\\SQLEXPRESS;Initial Catalog=fpadb; User Id=admin; Password=admin123");
* 
* After changing the server name, we have to login to the database by “SQL Server Authentication mode”.
* Here the login name is “admin”.
* The given password for the database is “admin123” if the management studio is installed before it is better to change the Password as admin123 that helps the application to run easily rather than changing the password in .NET coding. To change the password kindly go through the below step.
* “Click the Start button, point to All Programs, point to Microsoft SQL Server 2014, point to Configuration Tools, and then click SQL Server Configuration Manager. In SQL Server Configuration Manager, click SQL Server Services.  In the details pane, right-click SQL Server (<instancename>), and then click Properties. In the SQL Server (<instancename>) Properties dialog box, on the Log On tab, for the account listed in the Account Name box, type the new password in the Password and Confirm Password boxes, and then click OK. The password takes effect immediately, without restarting SQL Server.
* Now the user can successfully connect the database.