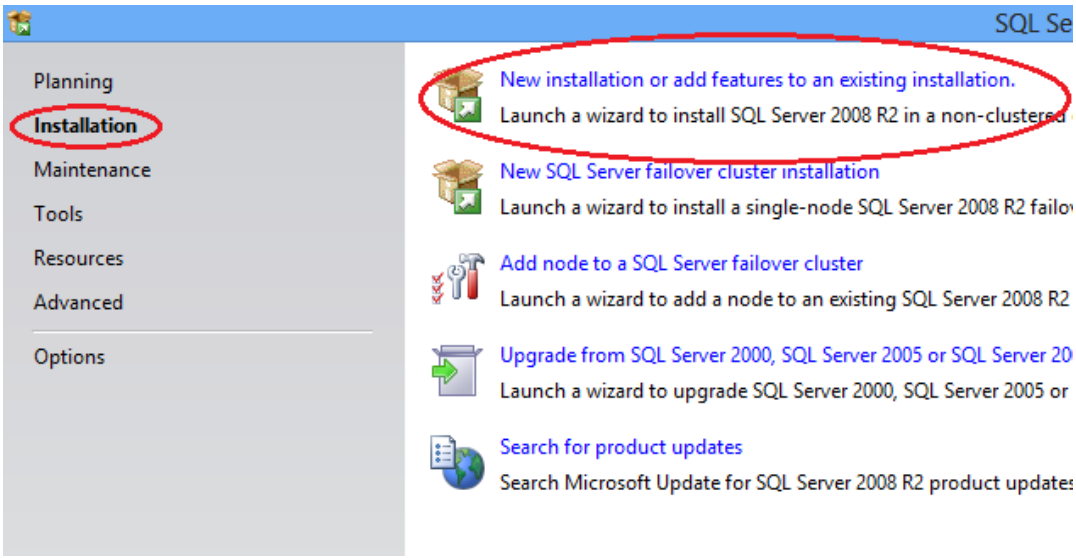
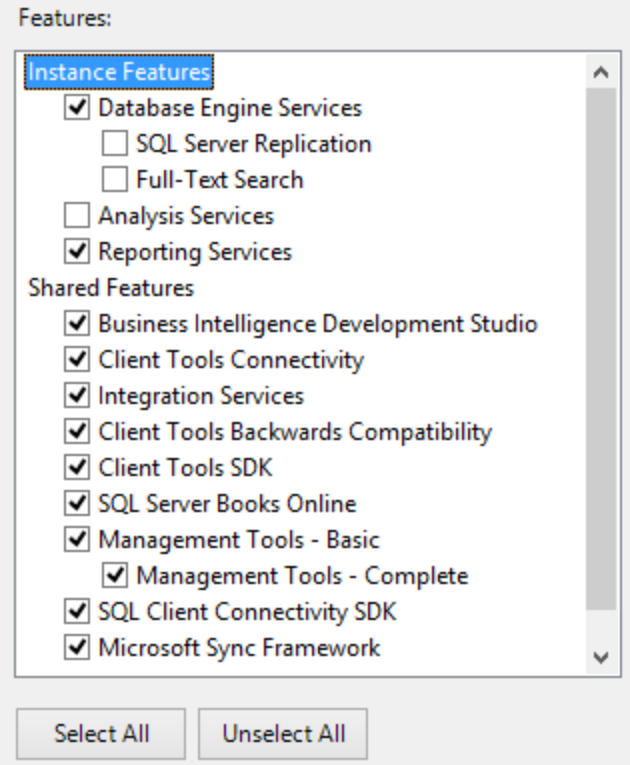
Step 1: Installing MS. SQL Server 2008 R2

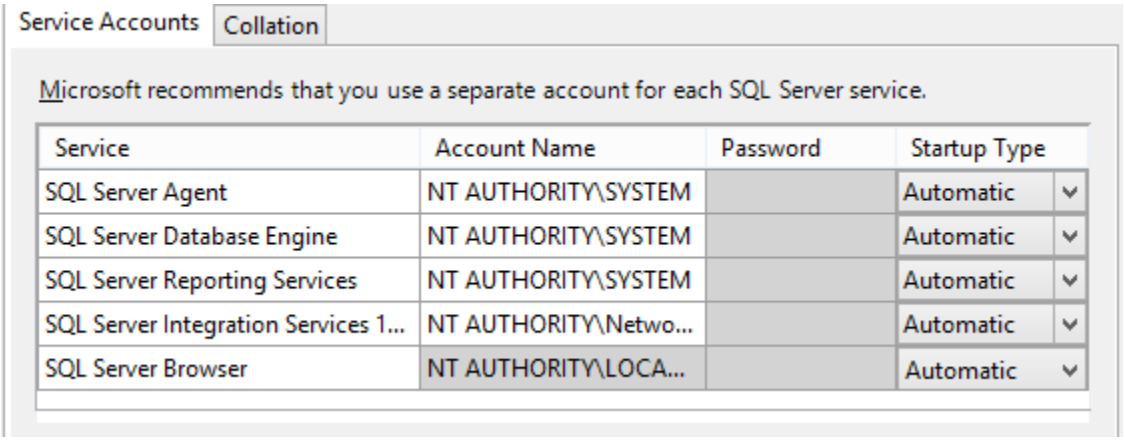
1. Click on **setup.exe** to start the setup installation package.
2. Click on **Yes**, if asked for any user permission.
3. Click on **Run the program without getting help**, if any compatibility issue occurred.
4. Click on **Download and install this feature**, if asked for .NET Framework 3.5 installation.
5. Once the .NET Framework 3.5 installation is completed, restart the setup.exe.
6. Click on **Installation → New installation or add features to an existing installation**.



7. Click on **Run the program without getting help**, if any compatibility issue occurred.
8. Click on **OK** button if everything passed in **Setup Support Rules**.
9. Enter the **Product Key** GYF3T-H2V88-GRPPH-HWRJP-QRTYB and click on **Next** button.
10. In **License Terms**, tick on **I accept the license terms** and click on **Next** button.
11. Click on **Install** button in **Setup Support Rules**.
12. Once the entire rule passed in **Setup Support Rules** click on **Next** button. You can ignore the warning.
13. In **Setup Role**, choose **SQL Server Feature Installation** and click on **Next** button.
14. Click on **Select All** button in **Feature Selection**, uncheck the following features and click on **Next** button.
    a. SQL Server Replication
    b. Full-Text Search
    c. Analysis Service



15. If everything passed, click on **Next** button in **Installation Rules**.
16. Click on **Next** button in **Instance Configuration** (choose the default values).
17. Click on **Next** button in **Disk Space Requirements**.
18. In **Server Configuration**, select **Account Name** as **NT AUTHORITY\SYSTEM** and **Startup Type Automatic**, where the fields are blank and click on **Next** button.



19. In **Database Engine Configuration**, choose **Mixed Mode** (SQL Server authentication and windows authentication). Enter password as **planet** and click on **Add Current User button**, and then click on **Next** button.
20. Choose **Install the native mode default configuration** in **Reporting Services Configuration** and click on **Next** button.
21. Click on **Next** button in **Error Reporting**.
22. If everything passed, click on **Next** button in **Installation Configuration Roles**.

23. In **Ready to Install**, click on **Install** button.
24. It will take few minutes to install the SQL Server 2008 R2.
25. Click on **Close** button once the installation is completed.

Step 2: Creating Database in SQL Server 2008 R2

A. Creating Blank Database

1. Click on **start** button.
2. Type **ssms** in search box and press **Enter** button.
3. In **Connect to Server** screen, following are the default values.
   Server Type: Database Engine
   Server Name: [Computer Name] or localhost
   Authentication: Windows Authentication
4. Click on **Connect** button.
5. Expand the **Databases** in **Object Explorer**.
6. Right click the **Databases → New Databases**…
7. Type **Database name** as **Paathshala_New**.
8. Click on **Ok** button.

B. Restoring Paathshala Blank Database

1. Right click on **Paathshala_New → Tasks → Restore → Database**.
2. Select **From Device** as Source for restore.
3. Browse the location by clicking on **…** button.
4. Click on **Add** button in **Specify Backup**.
5. Select Files of type as **All Files (*)**.
6. Choose the Paathshala Blank Database location and click on **Ok** button.
7. Once the blank database is selected, click on **Ok** button.
8. Tick on **Restore** box.
9. Click on **Options**. (It is in left side of the page)
10. Tick on **Overwrite the existing database (WITH REPLACE)**.
11. Click on **Ok** button.
12. It will take few seconds to restore the database.
13. Once the database is restored, you can close the SQL Server Management Studio.

Step 3: Install & Configure .Net Framework

1. Extract the .Net Framework 4.0 using WinRAR.
2. Install the .Net Framework 4.0 using setup file.
3. After the framework installation is completed open the **command prompt (cmd)**.
4. Click on **start**.
5. Type **cmd** on search box.
6. Right click on **cmd → Run as administrator**. (Note: Always open cmd as administrator)
7. **Type the following command.**

cd\	(enter)	
cd windows	(enter)	
cd microsoft.net	(enter)	
cd framework	(enter)	[If 32 bit windows]
cd framework64	(enter)	[If 64 bit windows]
cd v4.0.30319	(enter)	
aspnet_regiis –i	(enter)	

8. It will take few minutes to install the framework, after the installation is complete, close the command prompt.

Step 4: Setup IIS (Internet Information Service)

1. Open **Control Panel**.
2. Type **Turn Windows Features** in search box in control panel.
3. Click on **Turn Windows Features on or off**.
4. Check all the values inside **Internet Information Services** (Note: Every items should be checked)
5. Click on **Ok** button.
6. It will take few minutes to install the IIS.

Step 5: Configure IIS

1. Click on **Start**.
2. Type **IIS**.
3. Click on **Internet Information Manager (IIS) Manager**.
4. Expand the menu in the left pane, the menu name will be your computer name.
5. Expand the menu Sites.
6. Right Click on **Default Web Site**.
7. Click on **Manage Web Site → Browse**
8. If Welcome Page appears, you have successfully setup the IIS.
9. Close the browser.
10. **Remove/Delete** the Default Web Site.
11. Click on menu **Application Pools**.
12. Right click **Application Pools → Add Application Pool**

13. Type **PaathshalaAppPool** in Name.
14. Select .Net Framework **v4.0.30319**.
15. Click on **Ok**.
16. Now copy the Paathshala Release file as follows
    a. Open **C:\intepub\wwwroot**
    b. Copy and paste the Paathshala folder inside **wwwroot** folder.
    c. Rename the Paathshala folder to **Paathshala** if any other name is there.
17. Now in IIS, **Right Click on Sites → Add Web Site**
18. Type **Paathshala** in Site Name.
19. Click on **Select** button.
20. Select **PaathshalaAppPool** from the Application pool.
21. In physical path browse to C:\inetpub\wwwroot\Paathshala and click on **Ok**.
22. Click on **Test Setting**.
23. The Authentication should be marked as green tick icon.
24. The Authorization should be marked as yellow exclamation icon.
25. Click on **Close** button.
26. Choose your server computer IP Address (if you want other computer access to the Paathshala).
27. Choose All unassigned (if you do not want other computer access to the Paathshala).
28. Use default port number (**80**) in Port.
29. Click on **Ok**.
30. Right Click on **Paathshala →Manage Web Site →Browse**
31. Several errors will come; you have to handle those errors.

Step 6: Installing Report Viewer

1. Install the **Report Viewer** from setup file.
2. Go to **C:\Windows**
3. Right click on **Temp Folder → Properties**.
4. Click on **Security Tab**.
5. Click on **Continue** button (if asked for admin privilege).
6. Click on **Add** button.
7. Type **IIS AppPool\PaathshalaAppPool** in object name.
8. Click on **Ok**.
9. Tick on all fields of **Allow**.
10. Click on **Apply → Yes → Ok → Ok**.

Step 7: Handling Paathshala Errors

A. If any error occurred regarding Module & Handler

1. Open **command prompt (cmd)** as administrator.
2. Copy following code one at a time and run in cmd.
   %windir%\system32\inetsrv\appcmd unlock config -section:system.webServer/modules
   %windir%\system32\inetsrv\appcmd unlock config -section:system.webServer/handlers

Additional Settings (if required)

A. Set Static IP Address in Server Computer

1. Open **Run** (Windows Key + R)
2. Type **ncpa.cpl**, it will open the Network Connections page.
3. Right click on the **network adapter** from which server computer will be connected, either WiFi or LAN.
4. Click on **Status → Details** button to view the previously assigned network connection details.
5. Note the IPv4 Address, Subnet Mask, Default Gateway & DHCP Servers address.
6. Close the box.
7. Right click again in the network adapter and click on **Properties**.
8. Select **Internet Protocol Version 4 (TCP/IPv4)** from the list and click on **Properties**.
9. Click on **Use the following IP address**, type the details.
10. Click on **Ok** after assigning the address.
    Note: By default we use **xxx.xxx.xxx.201** as IP Address of the server computer.

B. Open Firewall Port

1. Open **Control Panel**.
2. Type **firewall** in control panel search box.
3. Click on **Windows Firewall**.
4. Click on **Advanced settings** (it is in left side of the page).
5. Right click on **Inbound Rules → New Rule**.
6. Choose **Port** and click on **Next**.
7. Choose **TCP** and **Specific local ports**.
8. Type **80** in **Specific local ports**, or you can type as follows and click on **Next**.
   To open single port eg. 80, then type 80.
   To open multiple ports eg. 80 90 91 then type 80, 90, 91.
   To open multiple ports eg. From 80 to 90 then type 80-90.
9. Choose **Allow the connection** and click on **Next**.
10. Choose **Domain Private Public** and click on **Next**.
11. Type **Paathshala Port** in name and click on **Finish**.