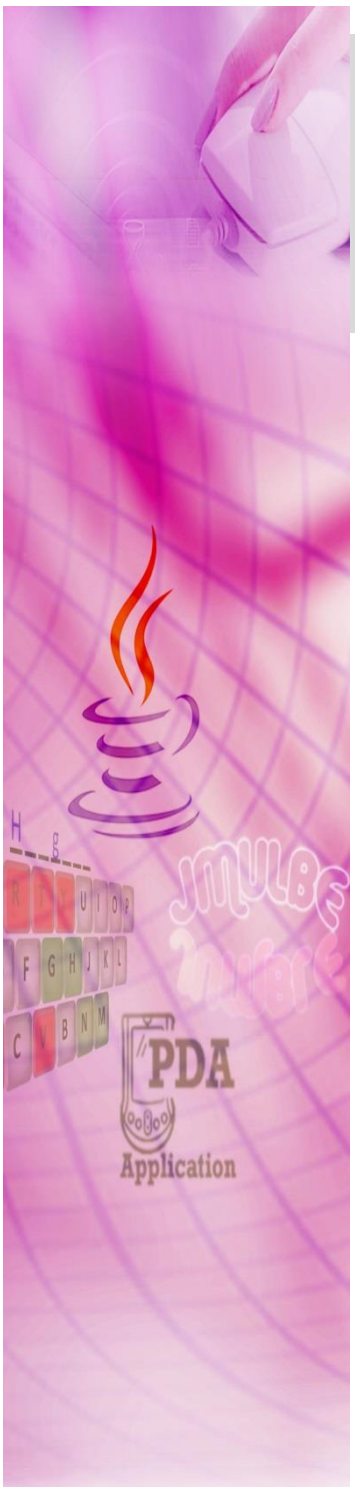


Implementation Manual

Implementation Manual

This implementation manual contains the steps to install the following software:

1. JDK 7
2. NetBeans IDE 7.2
3. SQL Server 2012 Enterprise Edition

The following table lists the support software that you need to perform the lab exercises.

S. No.	***Software/Jar file***	***Source (Location from where the software will be available)***	***Target (Location on the host machine where software needs to be saved)***
1.	*JDK 7 (jdk-7u17-windows-x64)*	*http://www.oracle.com/technetwork/java/javase/downloads/index.html*	*D:\PIJ\Software*
2.	*NetBeans IDE 7.2*	*http://netbeans.org/downloads/7.2/*	*D:\PIJ\Software*

The List of Support Software

Prerequisites

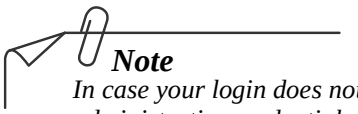
You need to perform the following tasks on each student node before beginning the lab exercises:

1. Create a folder with the name, **PIJ** in the **D:** drive.
2. Create a sub folder with the name, **Software** in the **D:\PIJ** folder.

Installing JDK 7

To install JDK 7, you need to perform the following steps:

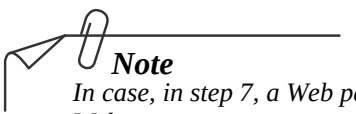
1. Browse to the location, **D:\PIJ\Software**.
2. Double-click the JDK 7 software, such as, **jdk-7u17-windows-x64.exe** file. The **User Account Control** dialog box will be displayed.
3. Click the **Yes** button. After a few moments, the **Java SE Development Kit 7 Update 17 (64-bit) – Setup** page of the Setup wizard is displayed.



Note

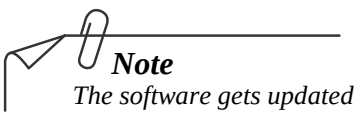
*In case your login does not have administrative rights, you need to provide administrative credentials in the **User Account Control** dialog box, and then click the **Yes** button.*

4. Click the **Next** button. The **Java SE Development Kit 7 Update 17 (64-bit) - Custom Setup** page is displayed.
5. Click the **Next** button. The **Java SE Development Kit 7 Update 17 (64-bit) – Progress** page is displayed. After a few moments, the **Java Setup – Destination Folder** page is displayed.
6. Click the **Next** button. The **Java Setup – Progress** page is displayed for a few moments and then disappears. Thereafter, the **Java SE Development Kit 7 Update 17 (64 bit) – Complete** page is displayed.
7. Click the **Close** button. After a few moments, the **register – Notepad** window is displayed.
8. Close the **register – Notepad** window.



Note

In case, in step 7, a Web page is displayed instead of the notepad window, close the Web page.



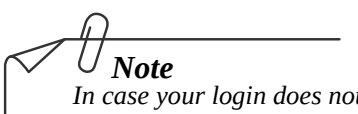
Note

The software gets updated frequently on the website. Therefore, the name of the software and the dialog box may vary.

Installing NetBeans IDE 7.2

To install NetBeans IDE 7.2, you need to perform the following steps:

1. Browse to the location, **D:\PIJ\Software**.
2. Double-click the **netbeans-7.2-ml-javase-windows.exe** file. The **User Account Control** dialog box is displayed.
3. Click the **Yes** button. After a few moments, the Welcome page of the **NetBeans IDE Installer** wizard is displayed.



Note

*In case your login does not have administrative rights, you need to provide administrative credentials in the **User Account Control** dialog box, and then click the **Yes** button.*

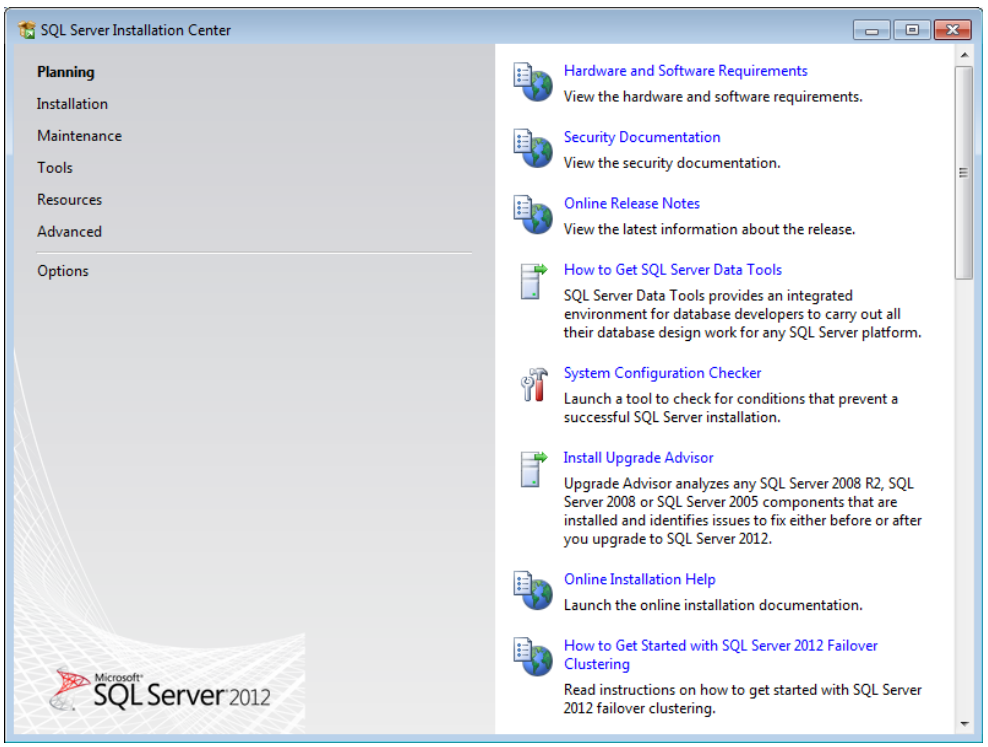
4. Click the **Next** button. The **License Agreement** page is displayed.

5. Select the **I accept the terms in the license agreement** check box.
6. Click the **Next** button. The **JUnit License Agreement** page is displayed.
7. Click the **Do not install JUnit** option.
8. Click the **Next** button. The **NetBeans IDE 7.2 Installation** page is displayed.
9. Click the **Next** button. The **Summary** page is displayed.
10. Click the **Install** button. The installation starts. Once the installation is completed, the **Setup Complete** page is displayed.
11. Click the **Finish** button.

Installing SQL Server 2012 Enterprise Edition

To install SQL Server 2012 Enterprise edition, you need to perform the following steps:

1. Insert the SQL Server 2012 DVD into the DVD drive.
2. Browse to the DVD drive
3. Double-click the **Setup.exe** file. After a few moments, the **SQL Server Installation Center** window appears, as shown in the following figure.



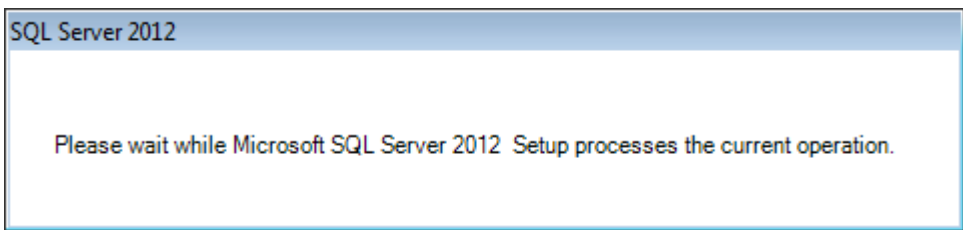
The SQL Server Installation Center Window

Note

*If the **User Account Control** dialog box is displayed, click the **Yes** button.*

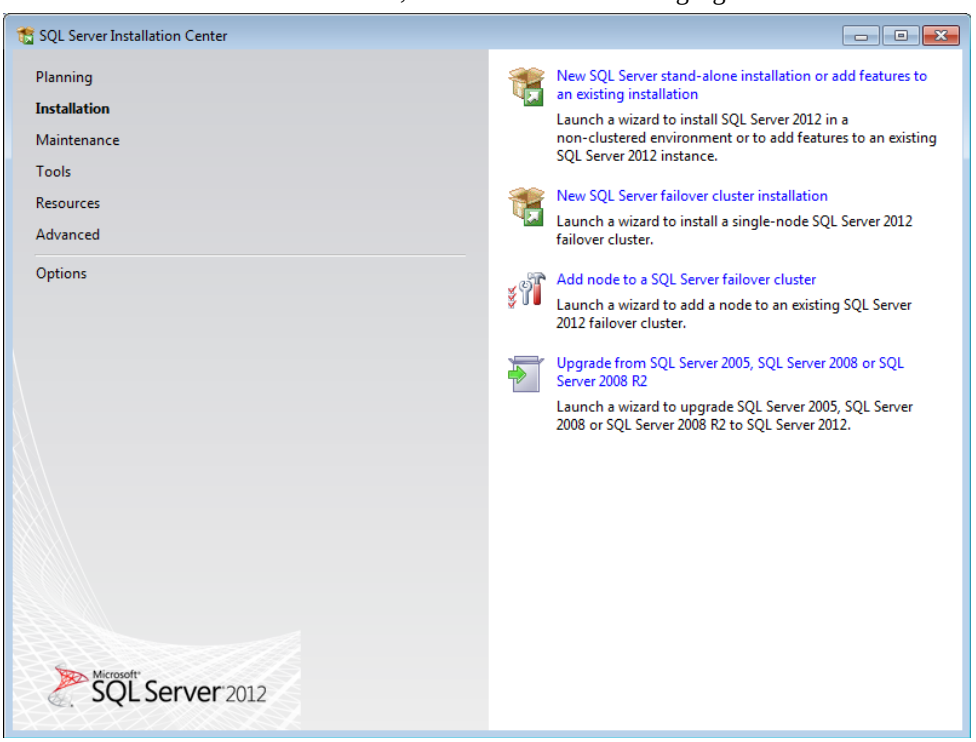
Note

*The **SQL Server 2012** message box may be displayed for a while during the installation process, as shown in the following figure.*



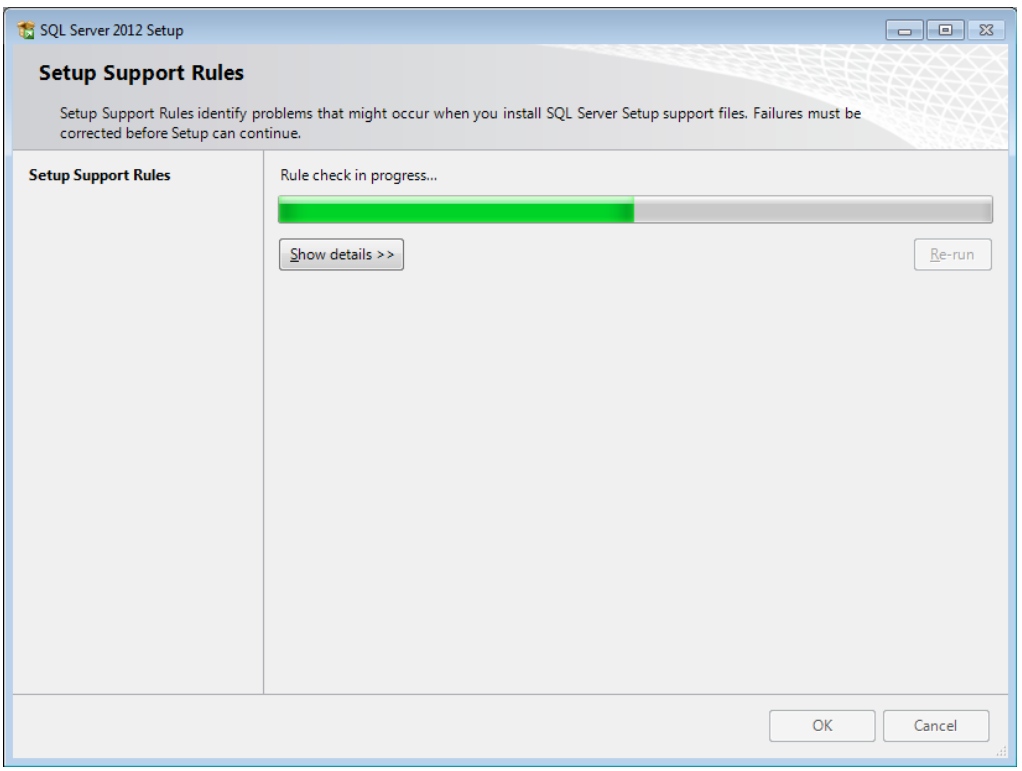
The SQL Server 2012 Message Box

4. Click the **Installation** link in the left pane. The various links are displayed in the right pane of the **SQL Server Installation Center** window, as shown in the following figure.



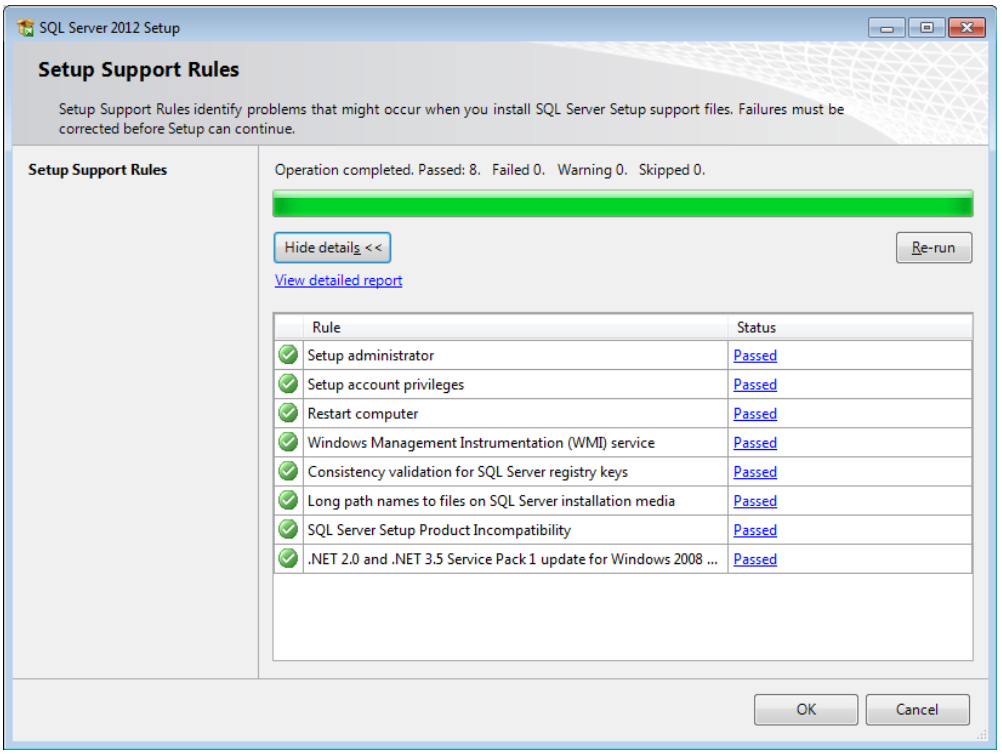
The SQL Server Installation Center Window

5. Click the **New SQL Server stand-alone installation or add features to an existing installation** link in the right pane. The **SQL Server 2012 Setup** window is displayed after a while, as shown in the following figure.



The SQL Server 2012 Setup Window

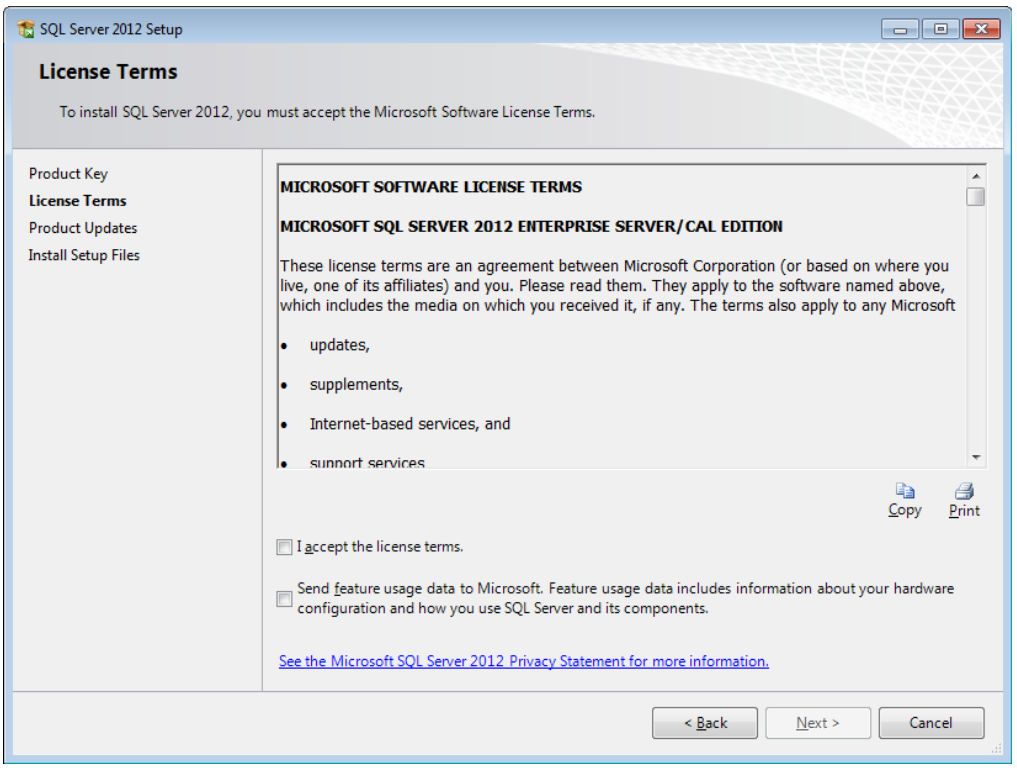
6. Click the **Show details** button. The details of the SQL Server setup support files are displayed in the **Setup Support Rules** page, as shown in the following figure.



The Setup Support Rules Page

7. Click the **OK** button. After a few moments, the **Product Key** page is displayed.
8. Ensure that the **Enter the product key** option is selected and the product key is displayed in the text box provided under the **Enter the product key** option.

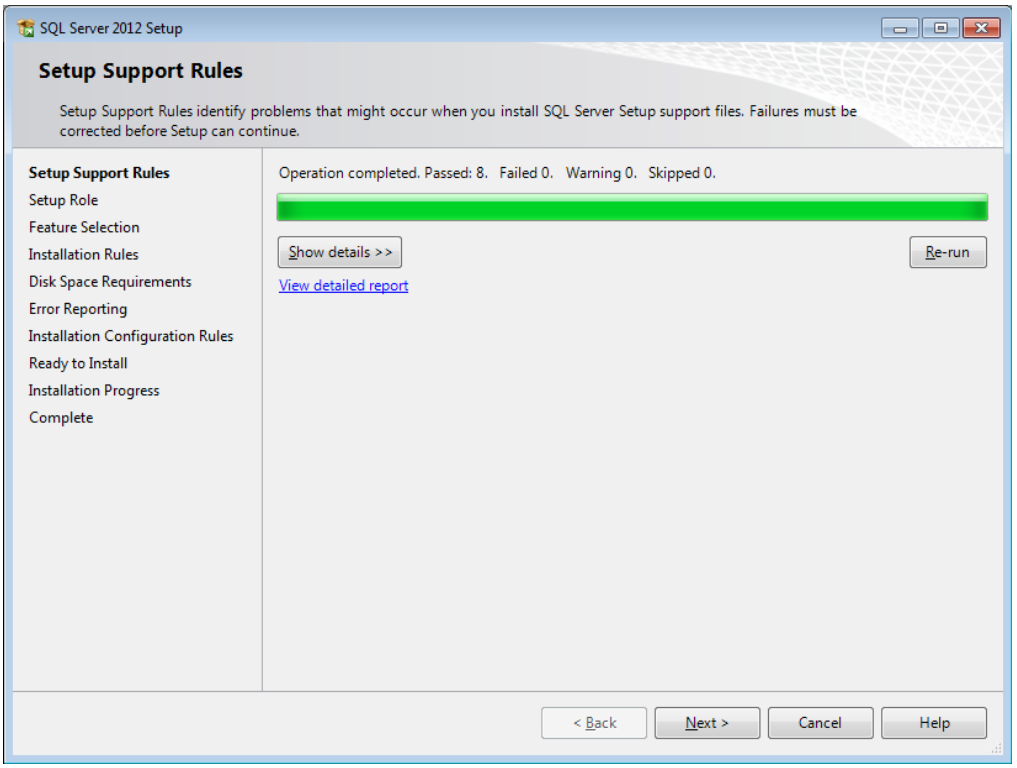
9. Click the **Next** button. The **License Terms** page is displayed, as shown in the following figure.



The License Terms Page

10. Select the **I accept the license terms** check box.

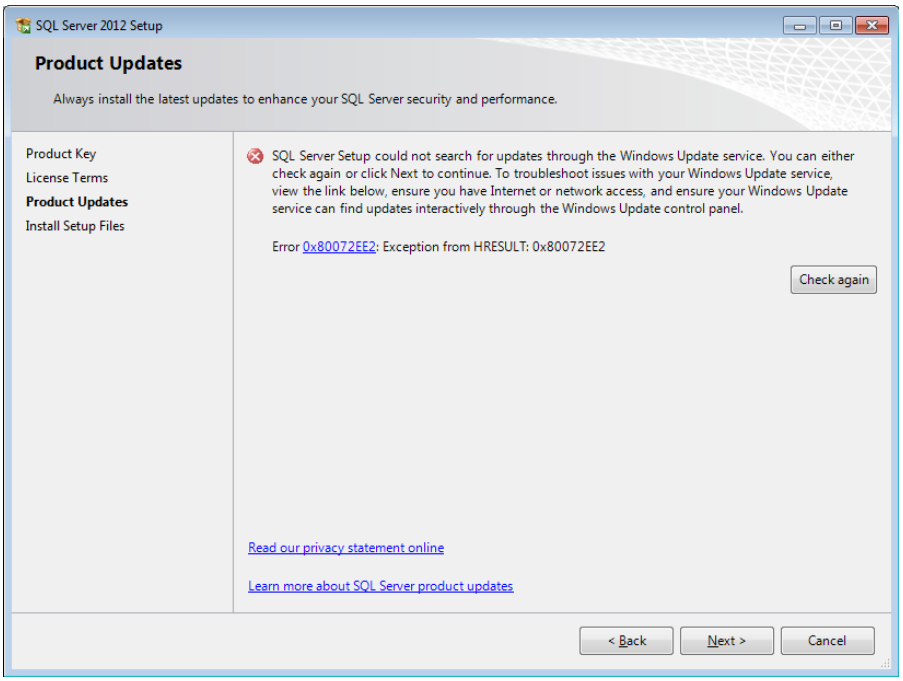
11. Click the **Next** button. The **Install Setup Files** page is displayed for a few moments, and then the **Setup Support Rules** page is displayed, as shown in the following figure.



The Setup Support Rules Page

Note

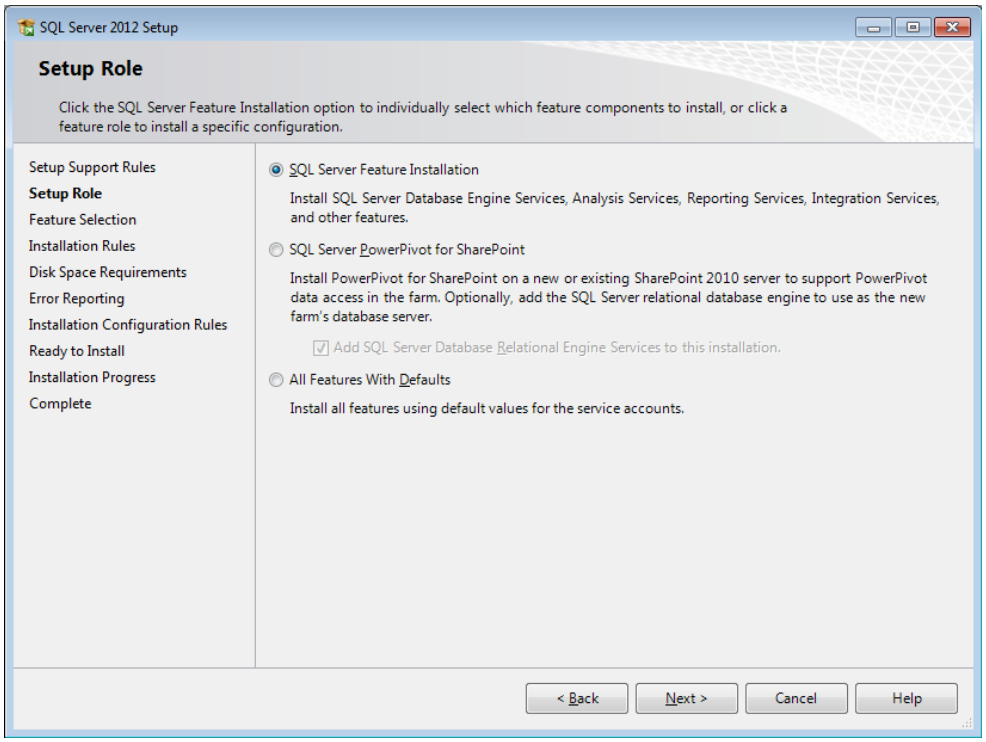
While installing, the SQL Server Setup searches for updates through the Windows Update service. If it fails to search for the updates, the ***Product Updates*** *page is displayed, as shown in the following figure.*



The Product Updates Page

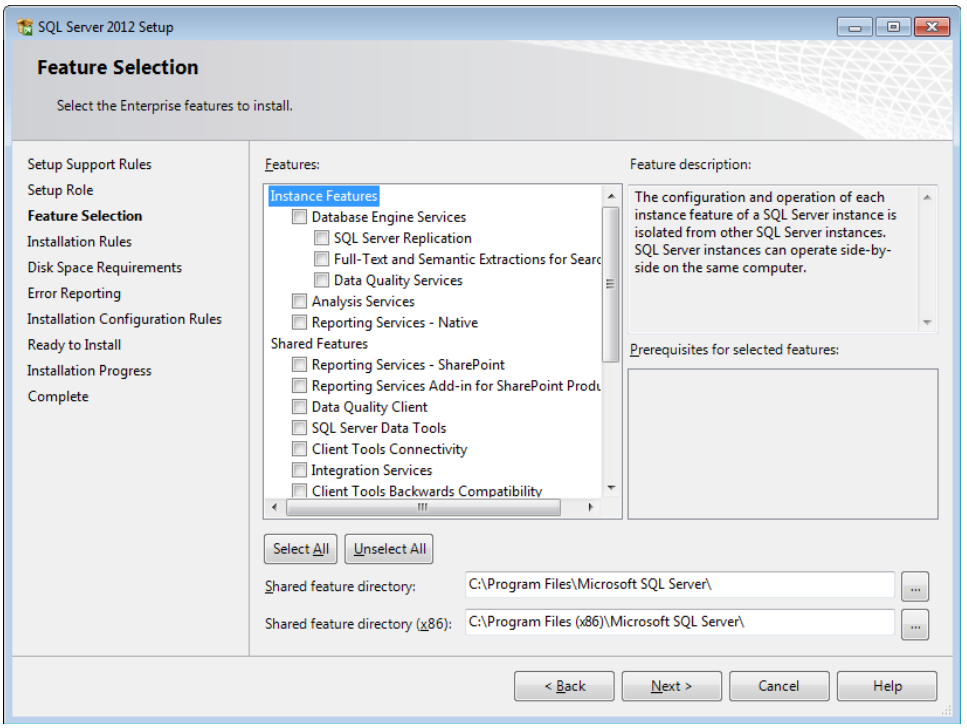
Click the ***Next*** *button to continue.*

12. Click the **Next** button. The **Setup Role** page is displayed, as shown in the following figure.



The Setup Role Page

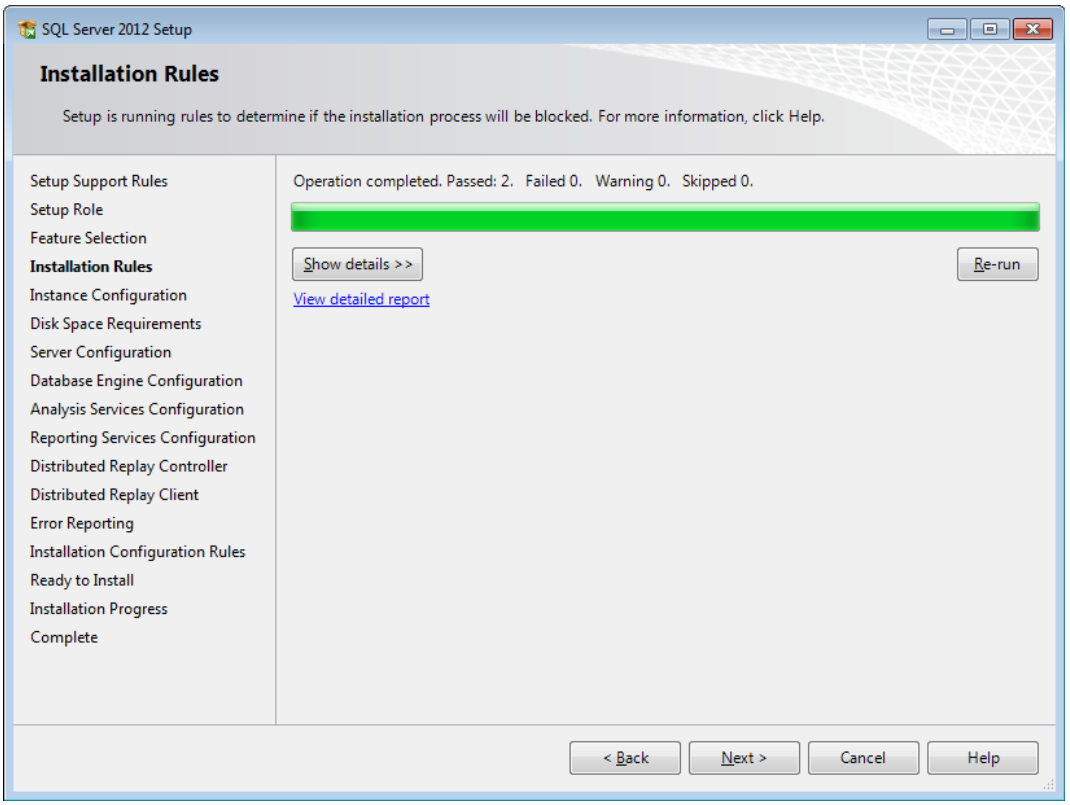
13. Click the **Next** button. The **Feature Selection** page is displayed, as shown in the following figure.



The Feature Selection Page

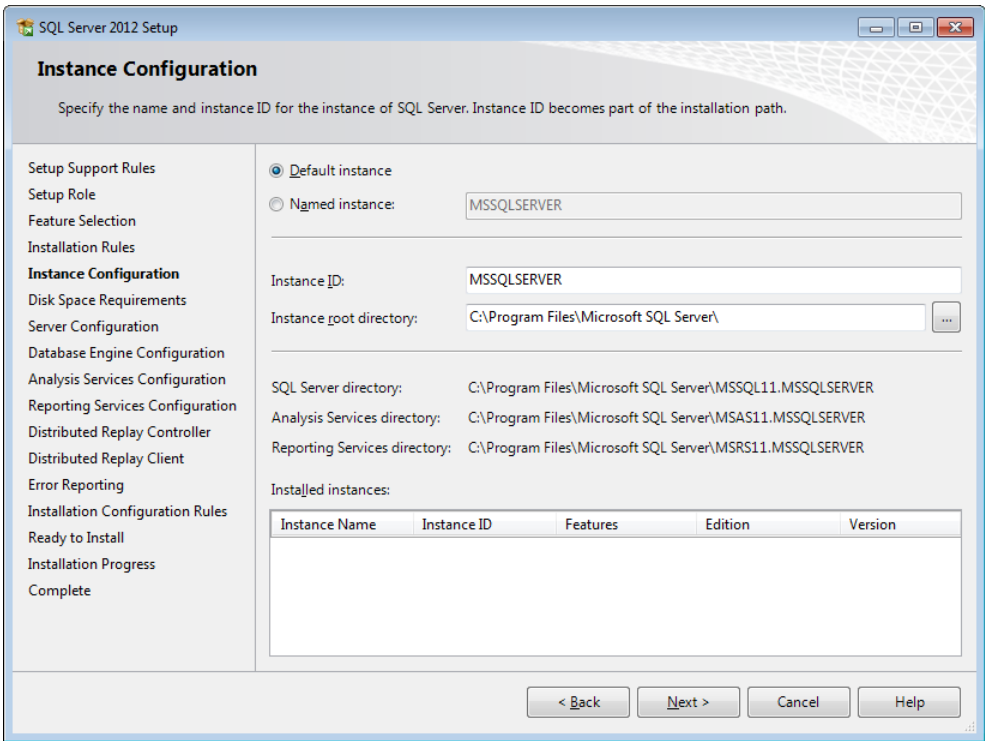
14. Click the **Select All** button in the right pane.

15. Click the **Next** button. The **Installation Rules** page is displayed, as shown in the following figure.



The Installation Rules Page

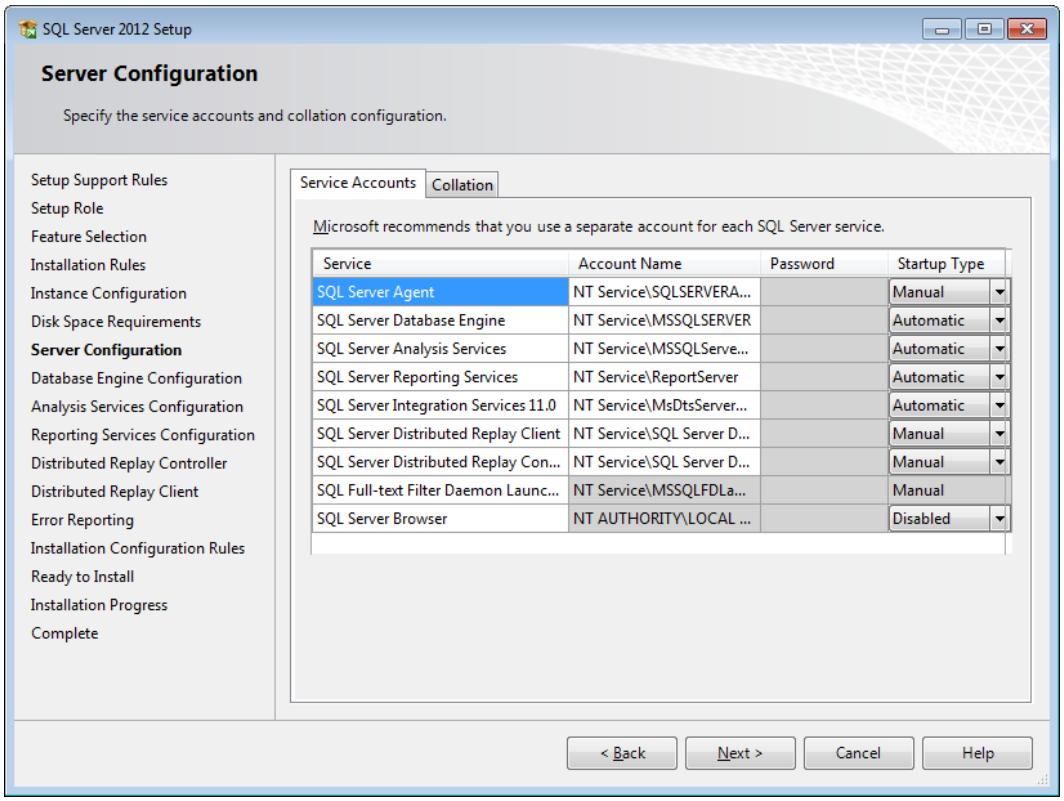
16. Click the **Next** button. The **Instance Configuration** page is displayed, as shown in the following figure.



The Instance Configuration Page

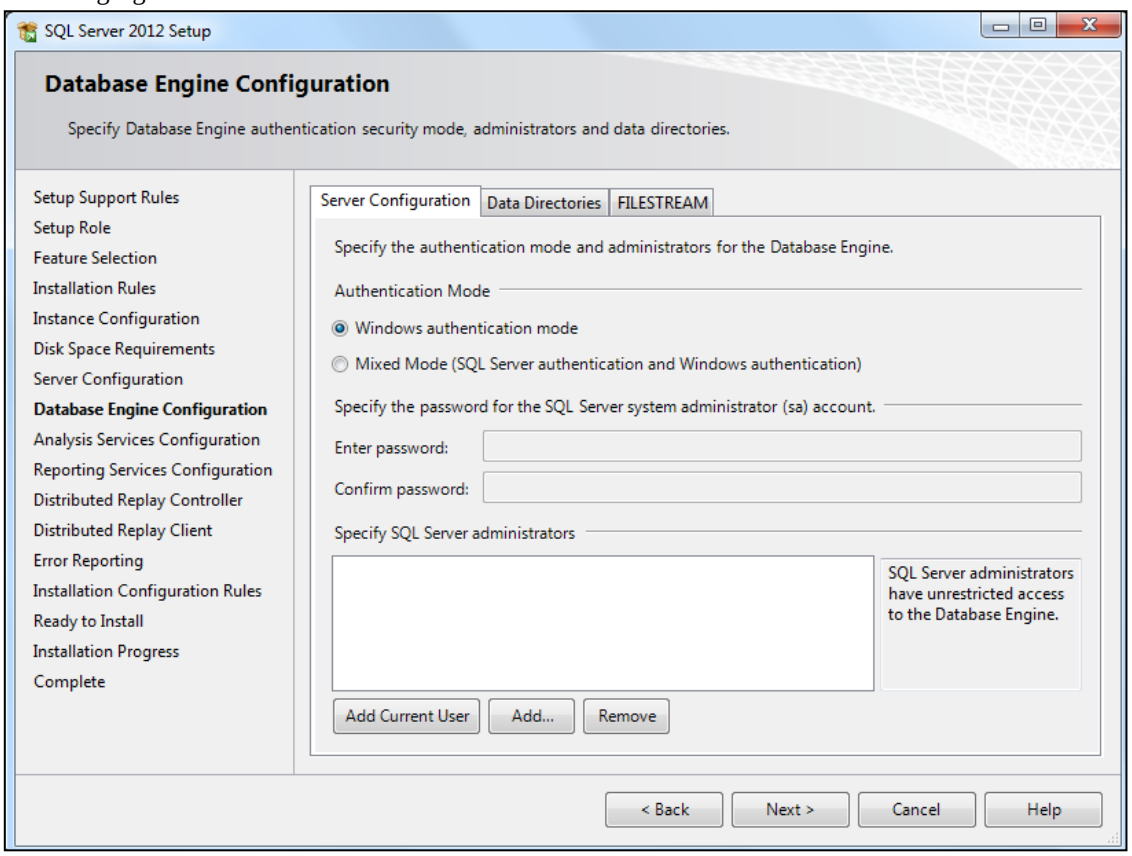
17. Ensure that the **Default instance** option is selected.
18. Click the **Next** button. After a few moments, the **Disk Space Requirements** page is displayed.

19. Click the **Next** button. The **Server Configuration** page is displayed, as shown in the following figure.



The Server Configuration Page

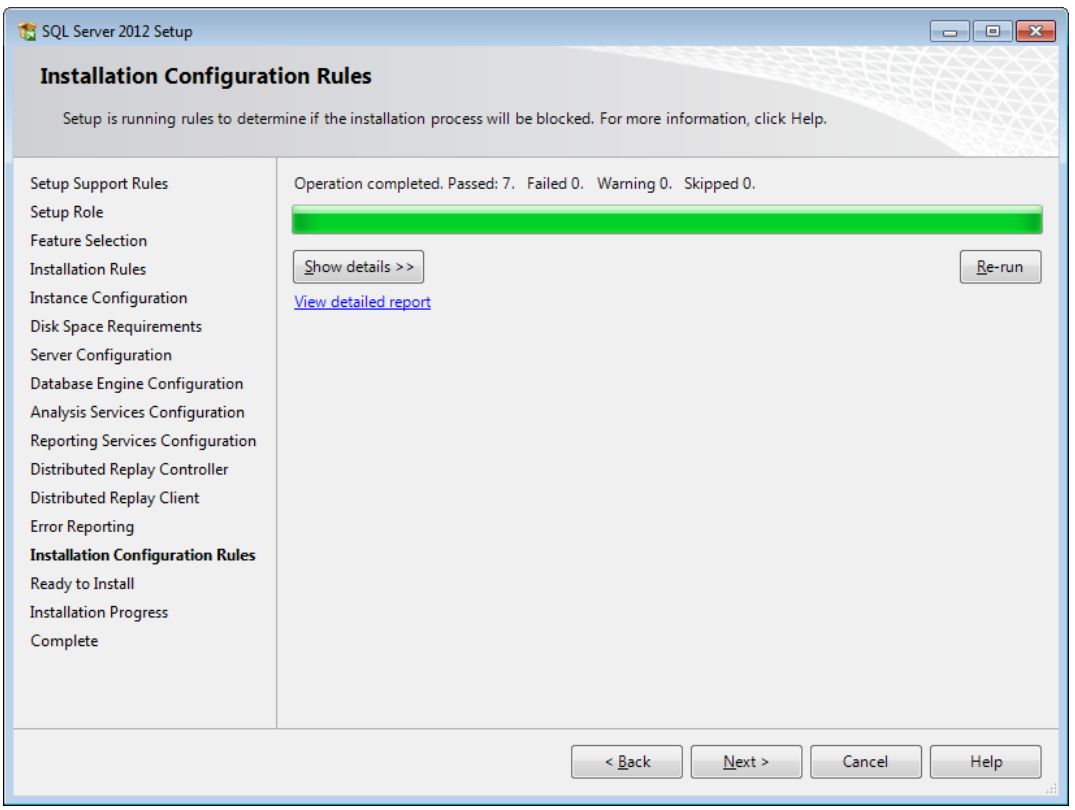
20. Click the **Next** button. The **Database Engine Configuration** page is displayed, as shown in the following figure.



The Database Engine Configuration Page

21. Select the **Mixed Mode (SQL Server authentication and Windows authentication)** option in the right pane.
22. Enter the password for the **sa** user account in the **Enter password** text box.
23. Enter the same password in the **Confirm password** text box.
24. Click the **Add Current User** button. The name of the current user is displayed in the **Specify SQL Server administrators** text area.
25. Select the **FILESTREAM** tab.
26. Select the **Enable FILESTREAM for Transact-SQL access** check box to enable FILESTREAM on this instance of SQL Server.
27. Select the **Enable FILESTREAM for file I/O access** check box.
28. Select the **Allow remote clients access to FILESTREAM data** check box.
29. Click the **Next** button. The **Analysis Services Configuration** page is displayed.
30. Click the **Add Current User** button in the right pane. The name of the current user is displayed in the **Specify which users have administrative permissions for Analysis Services** text area.

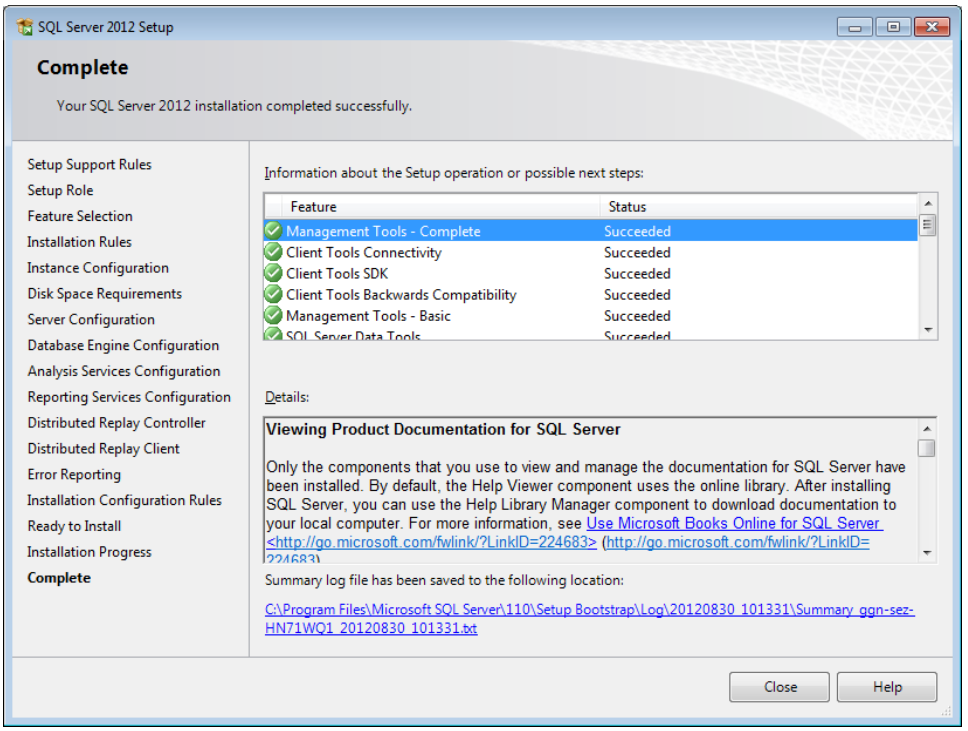
31. Click the **Next** button. The **Reporting Services Configuration** page is displayed.
32. Click the **Next** button. The **Distributed Replay Controller** page is displayed.
33. Click the **Add Current User** button in the right pane. The name of the current user is displayed in the **Specify which users have permissions for the Distributed Replay Controller service** text area.
34. Click the **Next** button. The **Distributed Replay Client** page is displayed.
35. Click the **Next** button. The **Error Reporting** page is displayed.
36. Click the **Next** button. The **Installation Configuration Rules** page is displayed, as shown in the following figure.



The Installation Configuration Rules Page

37. Click the **Next** button. The **Ready to Install** page is displayed.

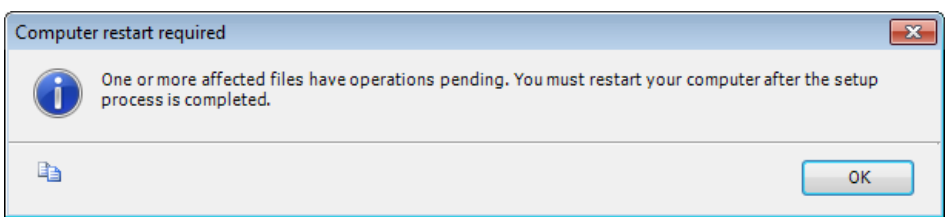
38. Click the **Install** button. The **Installation Progress** page is displayed for 20-25 minutes, and then the **Complete** page is displayed, as shown in the following figure.



The Complete Page

Note

*Along with the **Complete** page, the **Computer restart required** dialog box may also be displayed, as shown in the following figure.*



The Computer restart required Dialog Box

*Click the **OK** button.*

39. Click the **Close** button. The **SQL Server Installation Center** window is displayed.
40. Close the **SQL Server Installation Center** window.