

## SharePoint 2013 SP1 Installation with local SQL 2012 DB.

### Active Directory Setup:

- Create 3 Accounts to be used for SharePoint:
  - SPAdmin – Used to login to Central Admin
  - SPFarm – Farm Account
  - SPServices – SharePoint services account.

### Prerequisites List (SharePoint Server):

- Install Server 2012 R2 Operating System.
- Join server to the domain.
- Install all windows updates so the server is fully patched.
- Add the SPAdmin account to the local Administrator Group on the SharePoint Server.
- SQL – SPAdmin account needs to have the following permissions:
  - SECURITYADMIN
  - DBCREATOR
- Download SharePoint SP1 (1.3 GB):
  - Service Pack 1 for SharePoint Foundation - <http://www.microsoft.com/en-us/download/details.aspx?id=42548>
  - Service Pack 1 for SharePoint Server - <http://www.microsoft.com/en-us/download/details.aspx?id=42544>

### Windows Features Requirement:

Import-Module ServerManager

Add-WindowsFeature Net-Framework-Features,Web-Server,Web-WebServer,Web-Common-Http,Web-Static-Content,Web-Default-Doc,Web-Dir-Browsing,Web-Http-Errors,Web-App-Dev,Web-Asp-Net,Web-Net-Ext,Web-ISAPI-Ext,Web-ISAPI-Filter,Web-Health,Web-Http-Logging,Web-Log-Libraries,Web-Request-Monitor,Web-Http-Tracing,Web-Security,Web-Basic-Auth,Web-Windows-Auth,Web-Filtering,Web-Digest-Auth,Web-Performance,Web-Stat-Compression,Web-Dyn-Compression,Web-Mgmt-Tools,Web-Mgmt-Console,Web-Mgmt-Compat,Web-Metabase,Application-Server,AS-Web-Support,AS-TCP-Port-Sharing,AS-WAS-Support, AS-HTTP-Activation,AS-TCP-Activation,AS-Named-Pipes,AS-Net-Framework,WAS,WAS-Process-Model,WAS-NET-Environment,WAS-Config-APIs,Web-Lgcy-Scripting,Windows-Identity-Foundation,Server-Media-Foundation,Xps-Viewer –Source D:\sources\sxs

Replace D:\ with your drive letter.

## SharePoint 2013 SP1 Prerequisites:

You can download all the install files to location on your SharePoint Server and then install the files manually or run a script below to install them. (\*\*If you want to use the GUI to download and install the prerequisites you can do so\*\*)

Location of Files:

### SQL Server 2008 R2 SP1 Native Client

<http://download.microsoft.com/download/9/1/3/9138773A-505D-43E2-AC08-9A77E1E0490B/1033/x64/sqlncli.msi>

### Microsoft WCF Data Services 5.0

<http://download.microsoft.com/download/8/F/9/8F93DBBD-896B-4760-AC81-646F61363A6D/WcfDataServices.exe>

### Microsoft WCF Data Services 5.6 (rename this download to WcfDataServices56.exe)

<http://download.microsoft.com/download/1/C/A/1CAA41C7-88B9-42D6-9E11-3C655656DAB1/WcfDataServices.exe>

### Microsoft Information Protection and Control Client (MSIPC)

[http://download.microsoft.com/download/9/1/D/91DA8796-BE1D-46AF-8489-663AB7811517/setup\\_msipc\\_x64.msi](http://download.microsoft.com/download/9/1/D/91DA8796-BE1D-46AF-8489-663AB7811517/setup_msipc_x64.msi)

### Microsoft Sync Framework Runtime v1.0 SP1 (x64)

<http://download.microsoft.com/download/E/0/0/E0060D8F-2354-4871-9596-DC78538799CC/Synchronization.msi>

### Windows Identity Extensions

<http://download.microsoft.com/download/0/1/D/01D06854-CA0C-46F1-ADBA-EBF86010DCC6/r2/MicrosoftIdentityExtensions-64.msi>

### Windows Identity Foundation (KB974405)

<http://download.microsoft.com/download/D/7/2/D72FD747-69B6-40B7-875B-C2B40A6B2BDD/Windows6.1-KB974405-x64.msu>

### Windows Server AppFabric

[http://download.microsoft.com/download/A/6/7/A678AB47-496B-4907-B3D4-0A2D280A13C0/WindowsServerAppFabricSetup\\_x64.exe](http://download.microsoft.com/download/A/6/7/A678AB47-496B-4907-B3D4-0A2D280A13C0/WindowsServerAppFabricSetup_x64.exe)

### CU 1 for AppFabric 1.1 (KB2671763)

<http://download.microsoft.com/download/7/B/5/7B51D8D1-20FD-4BF0-87C7-4714F5A1C313/AppFabric1.1-RTM-KB2671763-x64-ENU.exe>

Install each of these files in order except for the last 2 as AppFabric requires configuration.

Open up an elevated prompt and run the following:

- WindowsServerAppFabricSetup\_x64.exe /i CacheClient", "CachingService", "CacheAdmin /gac

Once that is done then install CU1 for AppFabric.

Restart your server once all this is done.

If you want to use a script to install the files rather than doing it manually then run the following:

**\*\*Change the <Drive> entry to where you downloaded all the files to\*\***

```
$SharePoint2013SP1Path = "<Drive>\SharePoint2013SP1Install"
```

```
Start-Process "$SharePoint2013SP1Path\PrerequisiteInstaller.exe"
```

```
–ArgumentList "/SQLNcli:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\sqlncli.msi
```

```
/WCFDataServices:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\WcfDataServices.exe
```

```
/WCFDataServices56:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\WcfDataServices56.exe
```

```
/Sync:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\Synchronization.msi
```

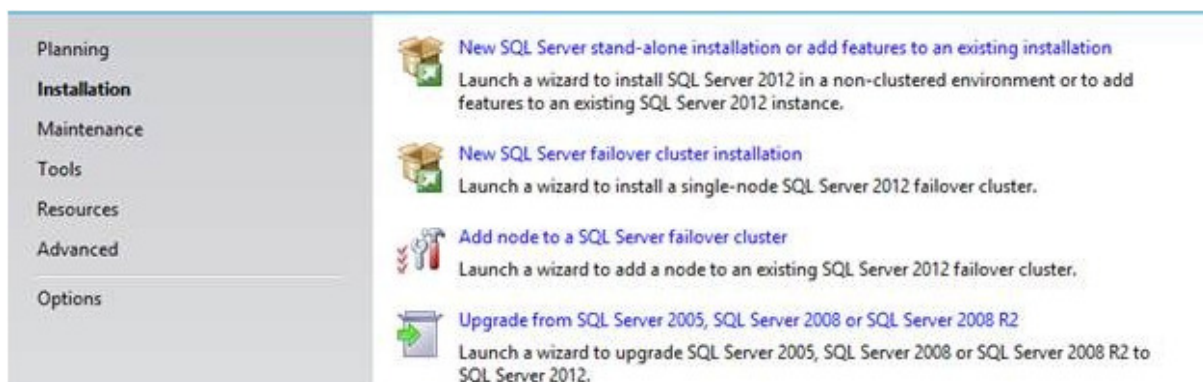
```
/IDFX:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\Windows6.1-KB974405-x64.msu
```

```
/IDFX11:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\MicrosoftIdentityExtensions-64.msi
```

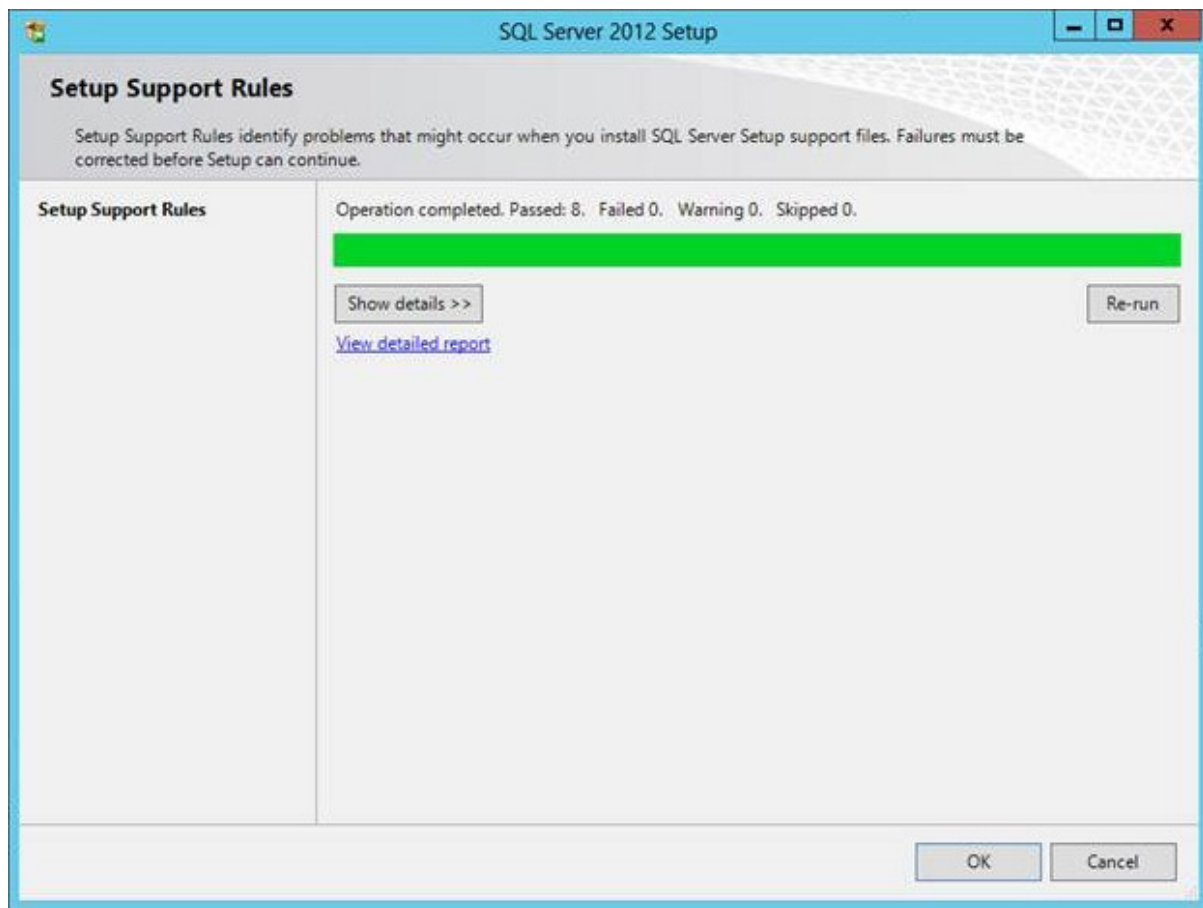
```
/MSIPCCClient:$SharePoint2013SP1Path\PrerequisiteInstallerFiles\setup_msipc_x64.msi"
```

## Install SQL Server:

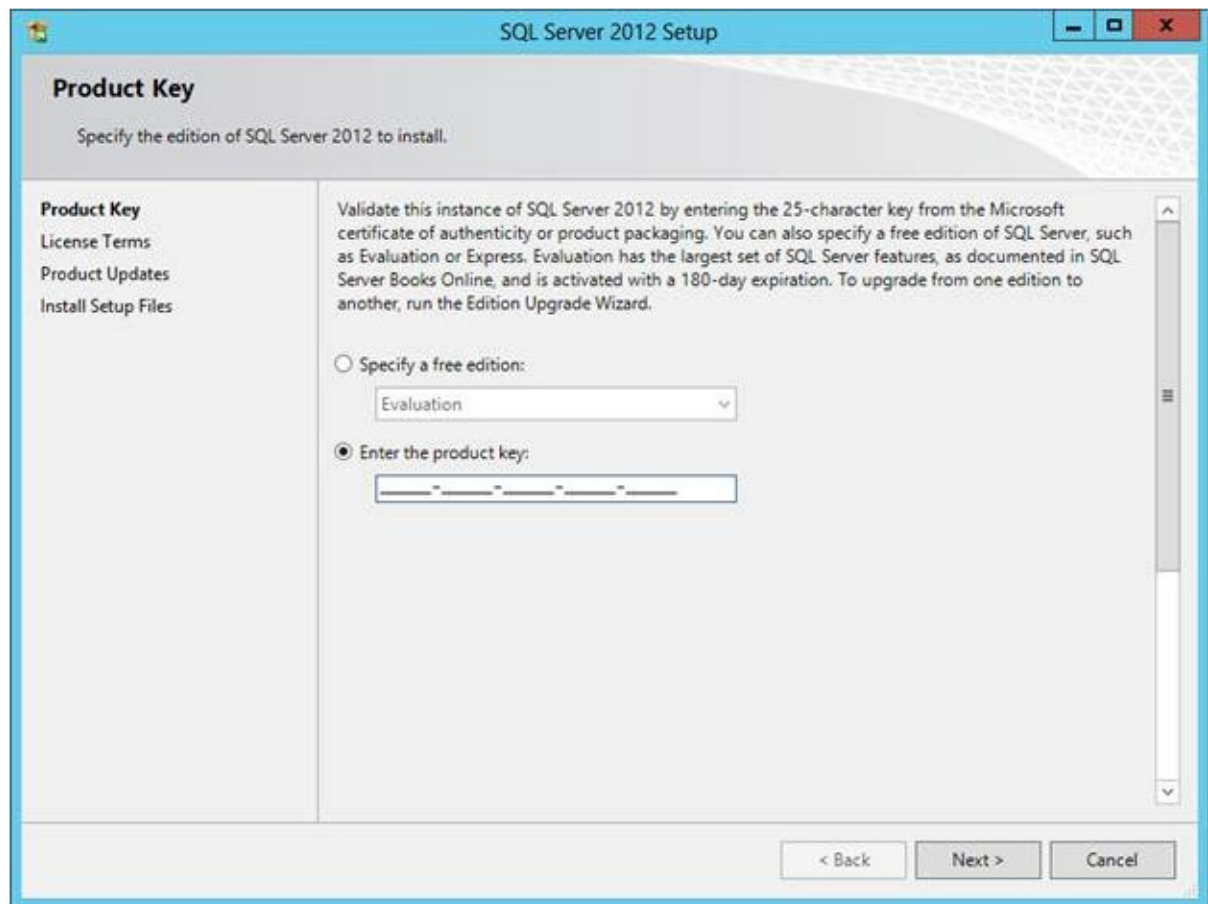
Double Click the setup file in the SQL install directory.



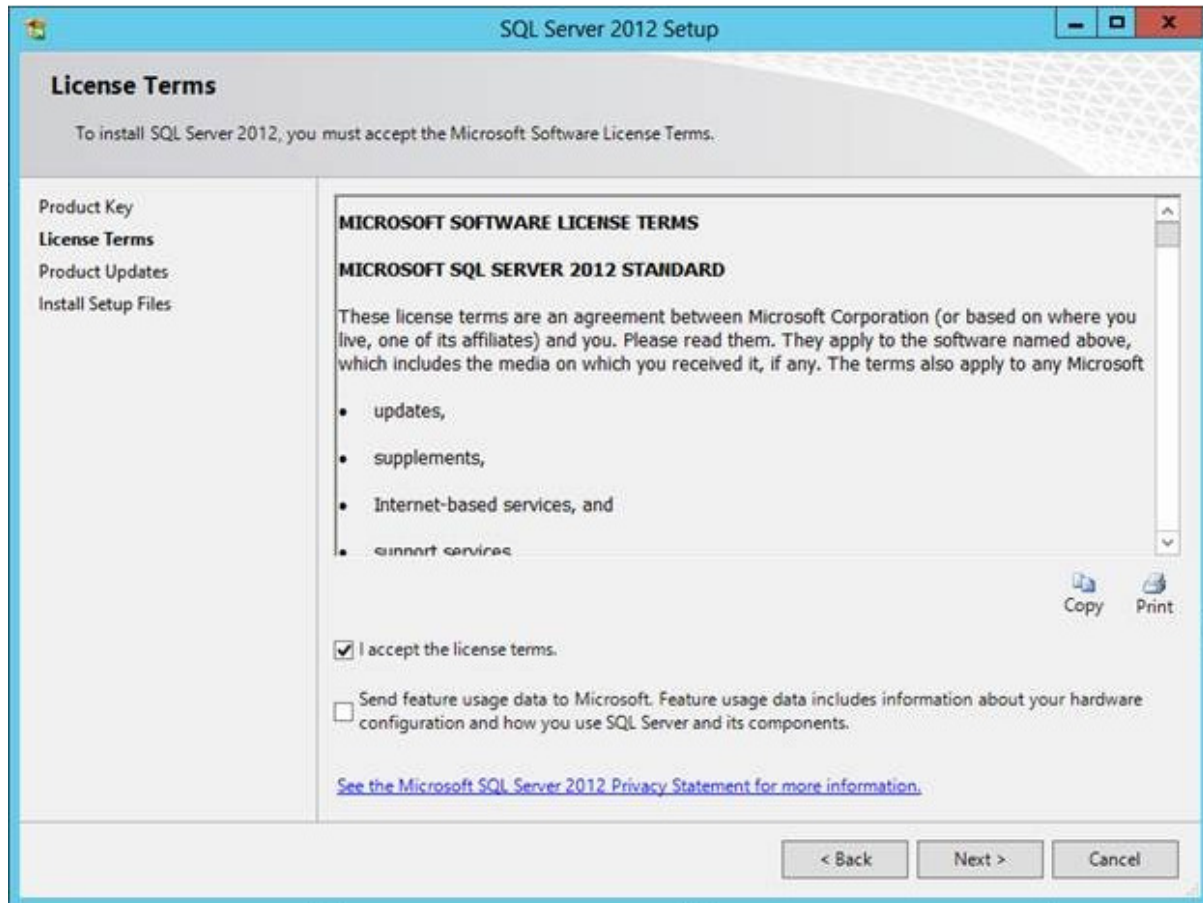
- Click on the Installation link/button.
- Now select "New SQL Server stand-Alone installation or add features to an existing installation link.



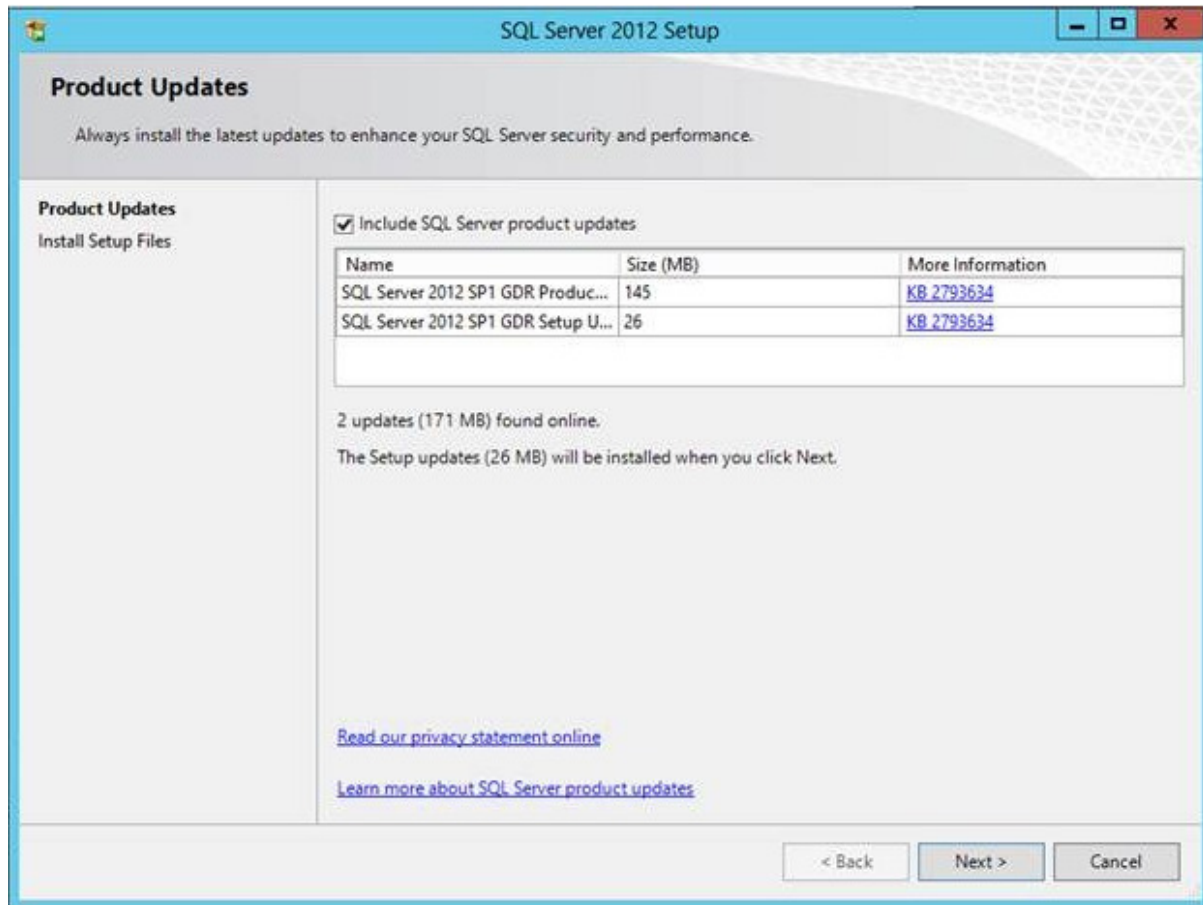
- The Setup Support Rules screen will show, click Ok to continue.



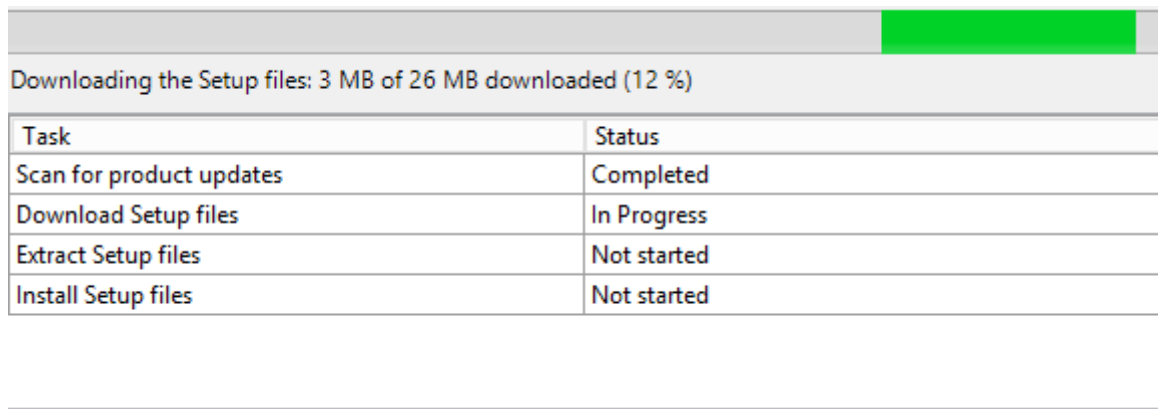
- Enter your product key that you got from your MS reseller or enter your TechNet license and click Next.



- Accept the license terms checkbox and then click Next.



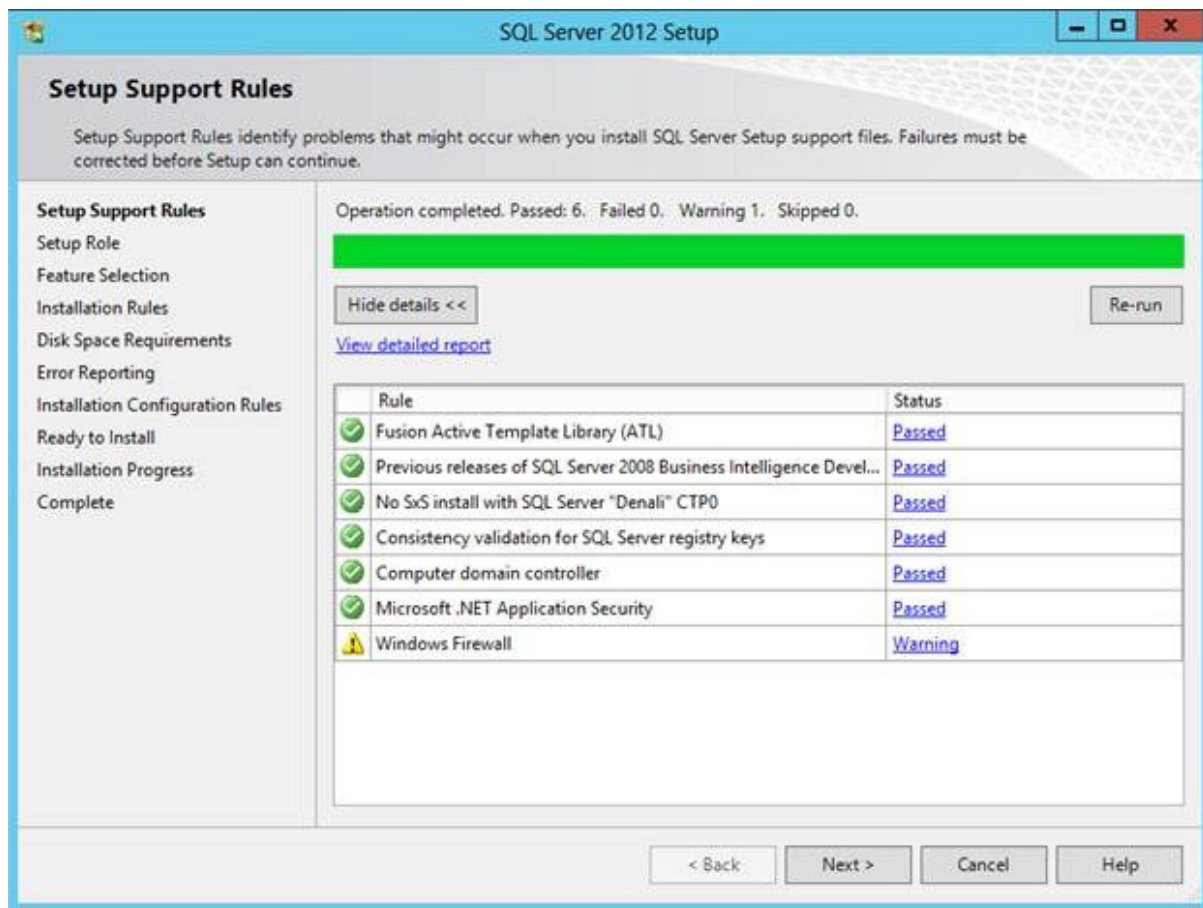
- Let SQL download any updates by selecting the checkbox above and then click Next.



- Progress screen will show while downloading and installing the updates.

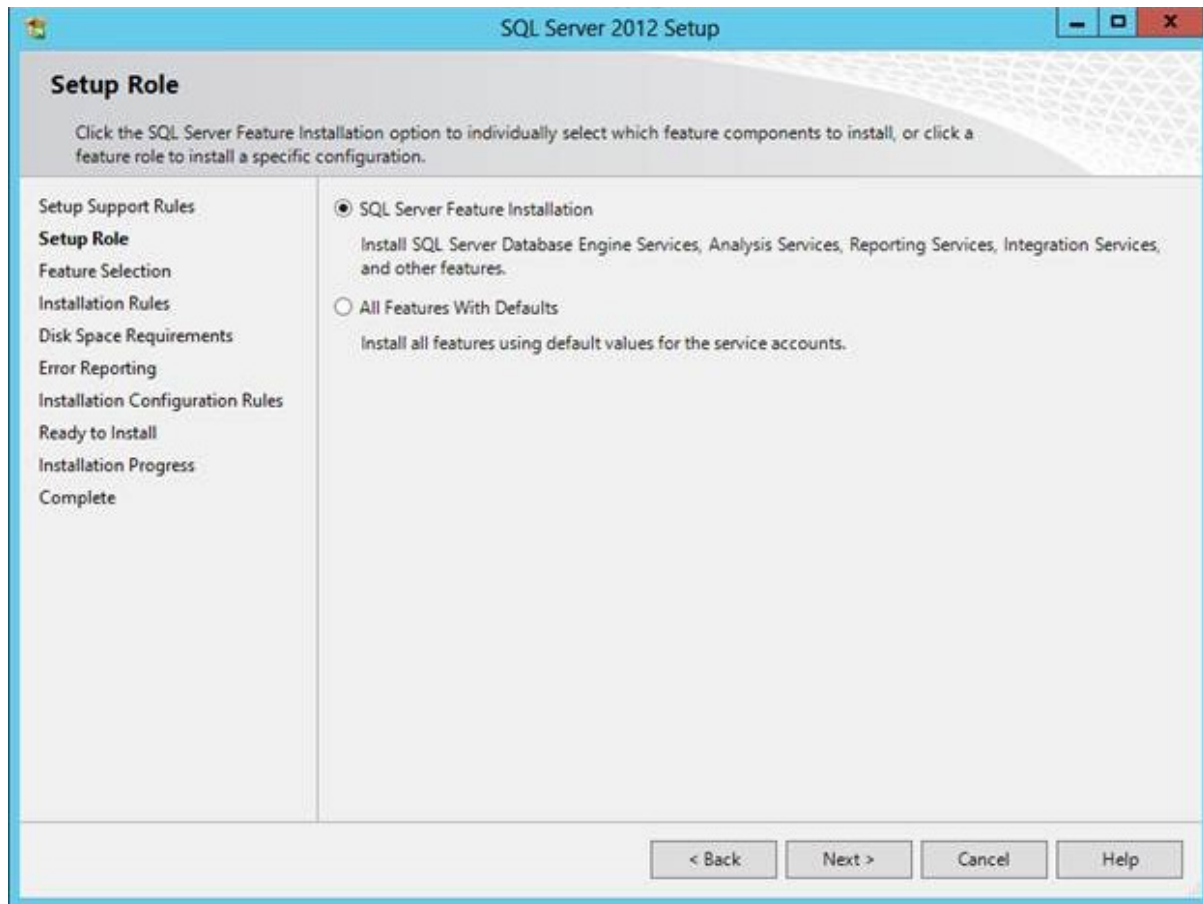


- Splash screen will appear before the next SQL screen comes up.

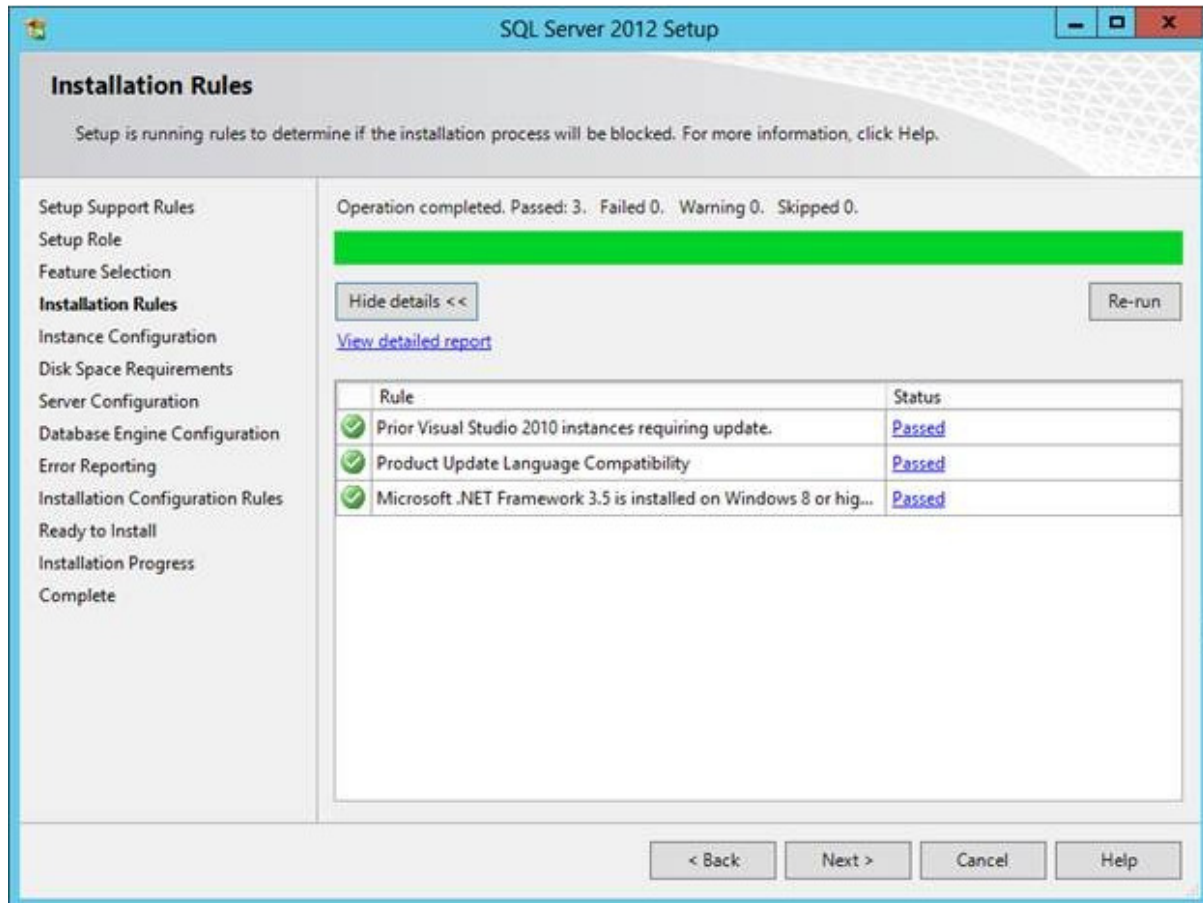


- The Setup and Support Rules will run, if there are any failures you will need to address those before you can continue. With this installation it was only giving a warning about the windows firewall. Click Next.





- Choose the option above and then click Next.
- Select the following features:
  - Database Engine Services
  - Client Tools Connectivity
  - Client Tools Backwards Compatibility
  - Management Tools – Basic
- Click Next.



- Review the status of each option above, if there are failures then address those first before you continue. Click Next to continue.

SQL Server 2012 Setup

### Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Setup Support Rules  
Product Key  
License Terms  
Setup Role  
Feature Selection  
Installation Rules  
**Instance Configuration**  
Disk Space Requirements  
Server Configuration  
Database Engine Configuration  
Error Reporting  
Installation Configuration Rules  
Ready to Install  
Installation Progress  
Complete

☒ Default instance  
☐ Named instance: MSSQLSERVER

Instance ID: MSSQLSERVER

Instance root directory: C:\Program Files\Microsoft SQL Server\

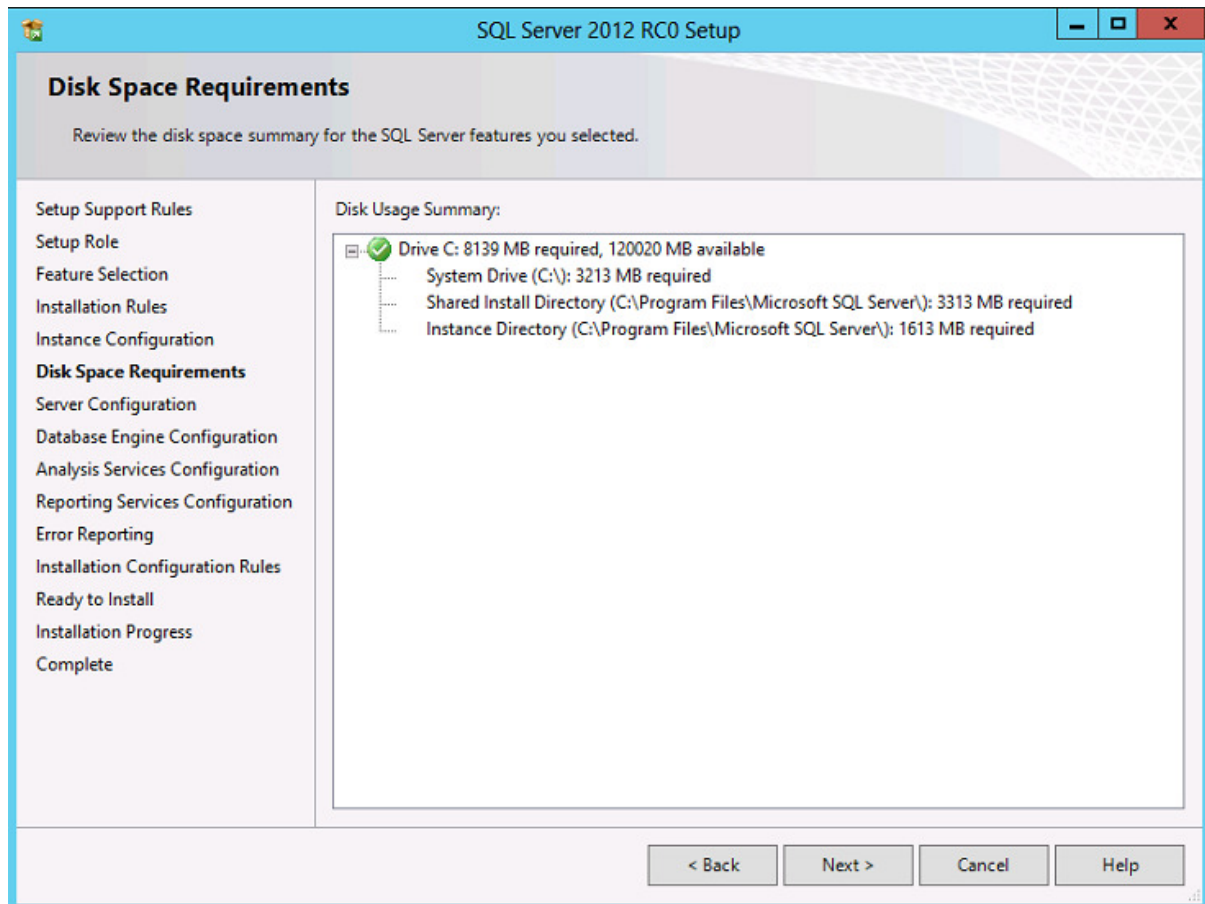
SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

< Back Next > Cancel Help

- Select the default instance and click Next.



- On the disk space requirements page, review the summary and click next.

SQL Server 2012 Setup

## Server Configuration

Specify the service accounts and collation configuration.

Setup Support Rules  
Product Key  
License Terms  
Setup Role  
Feature Selection  
Installation Rules  
Instance Configuration  
Disk Space Requirements  
**Server Configuration**  
Database Engine Configuration  
Error Reporting  
Installation Configuration Rules  
Ready to Install  
Installation Progress  
Complete

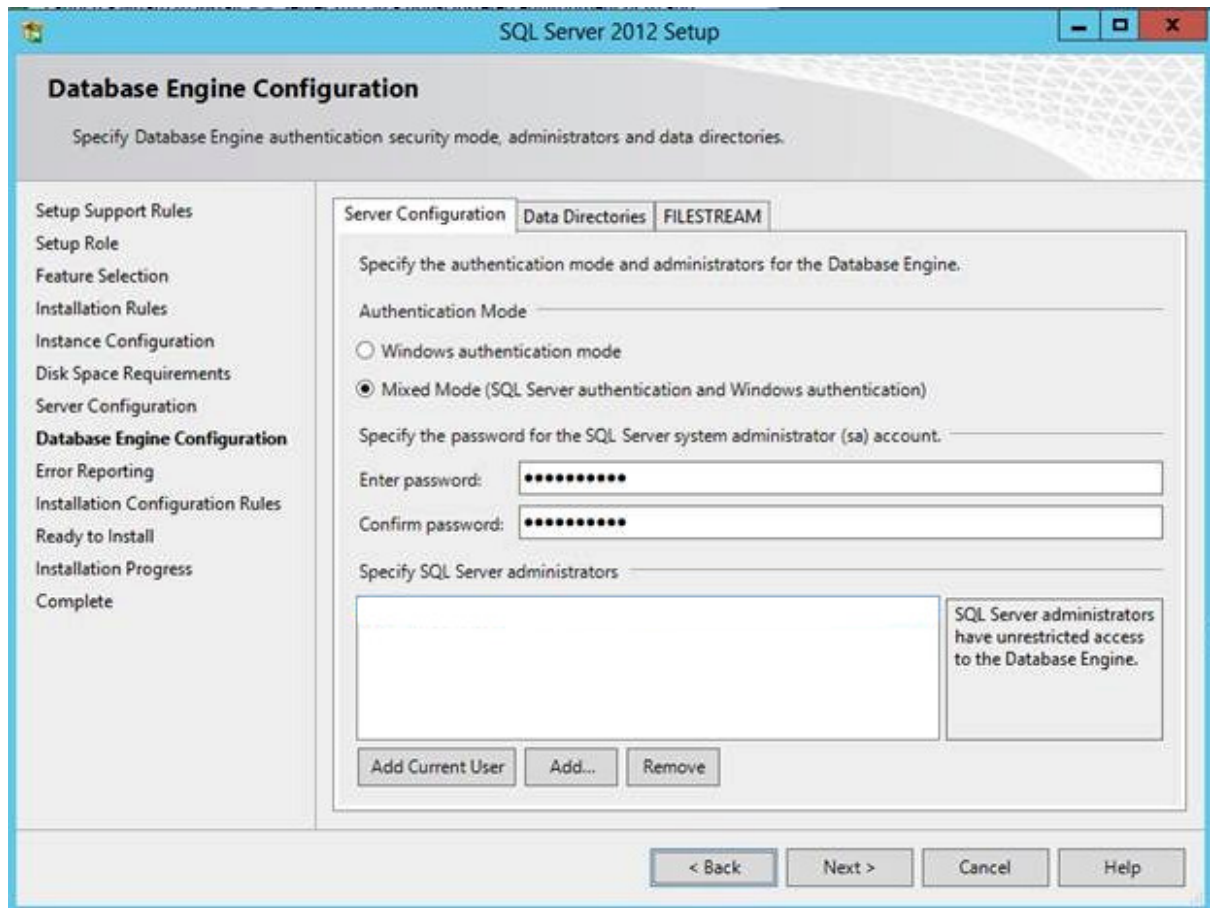
Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent		.....	Manual
SQL Server Database Engine		.....	Automatic
SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Disabled

< Back Next > Cancel Help

- Enter in the accounts that we setup in the beginning and then click Next.

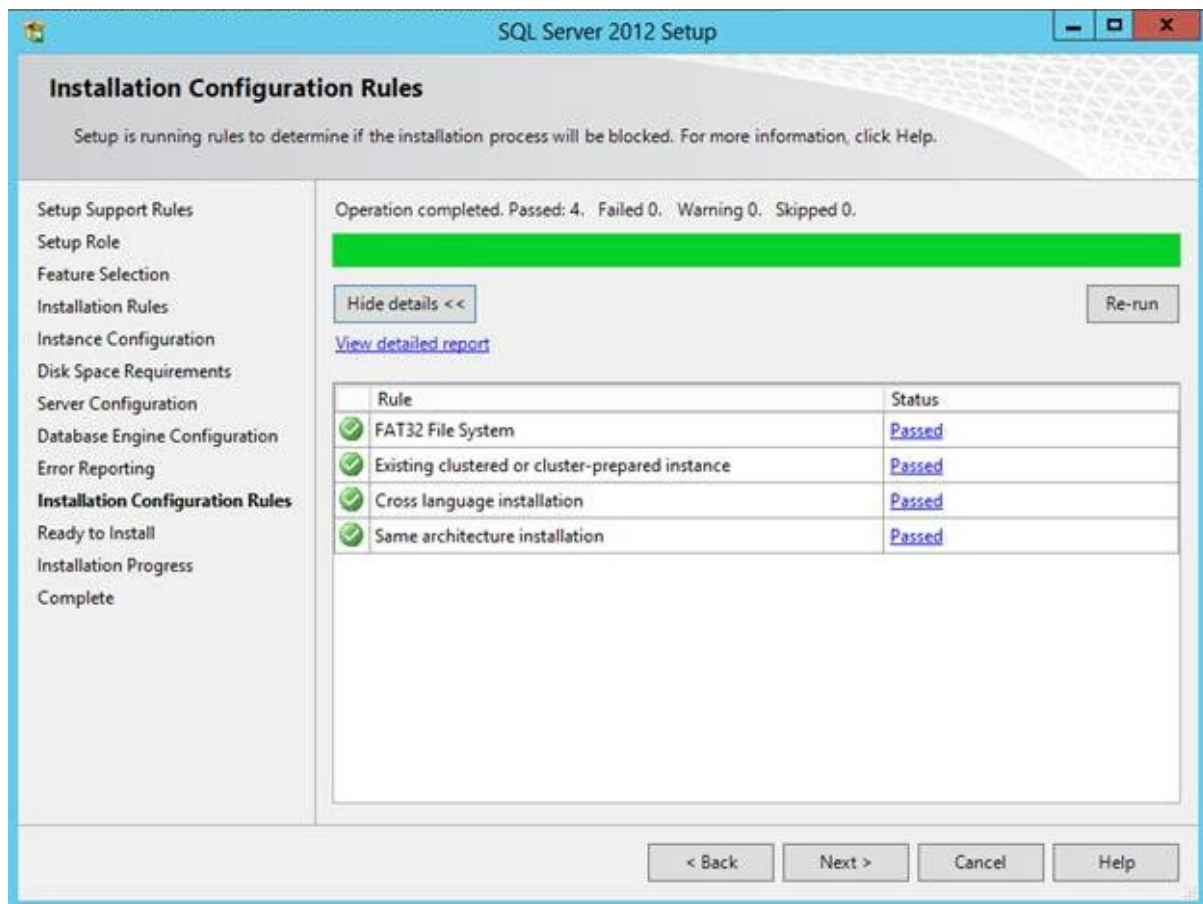


- Select Mixed mode and then enter in the SA password.
- Also click the “Add Current User” button and add in the user we created above. Click Next.



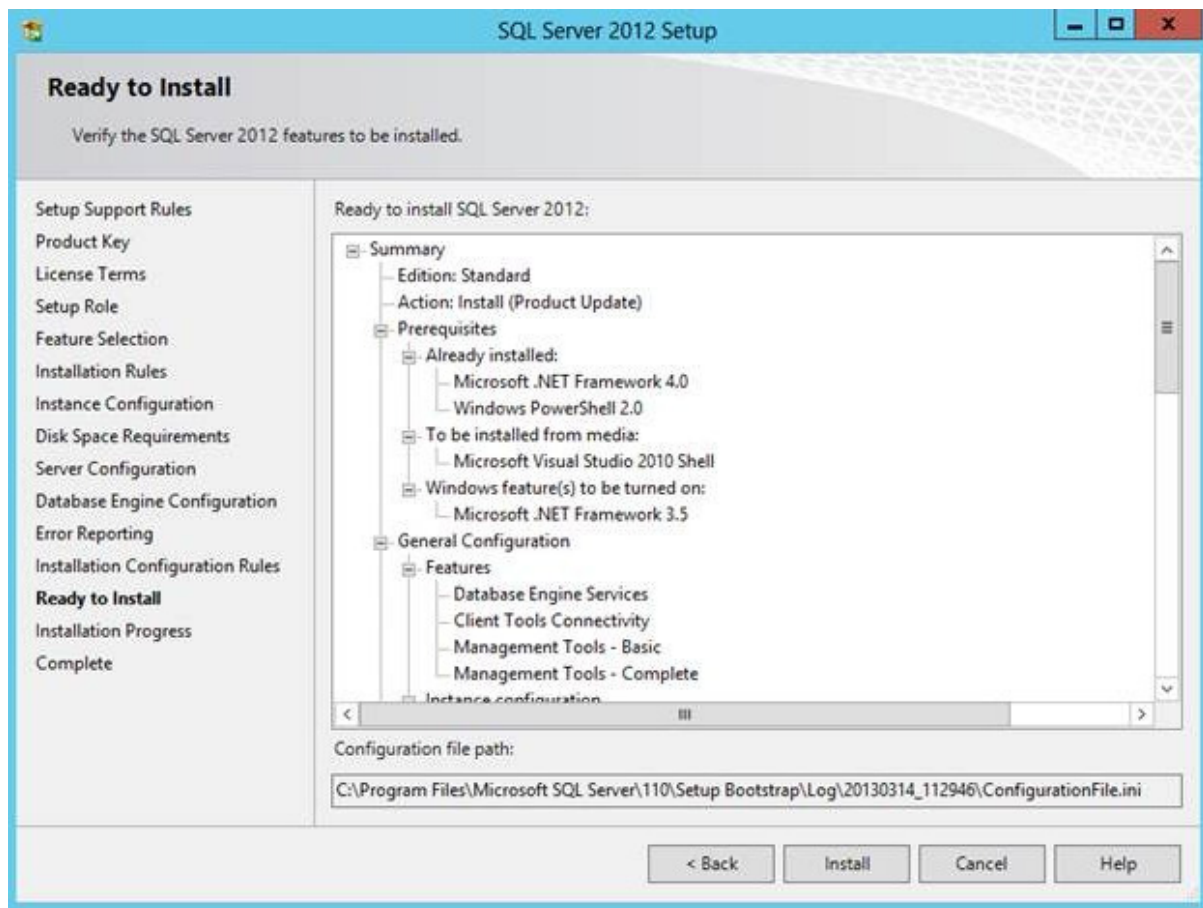
- If you want to send report to MS then click the checkbox and click Next.



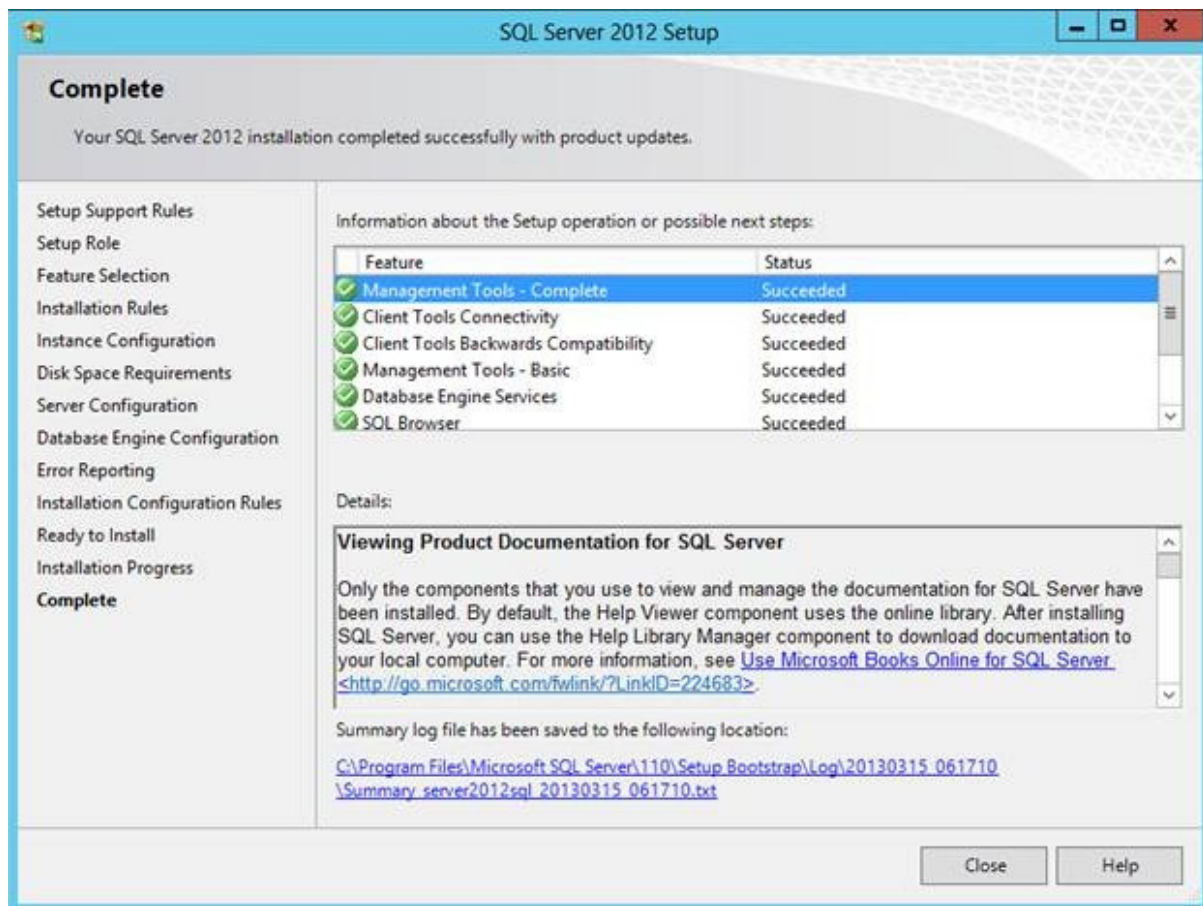


- Review the installation rules and address any failures if there are and click Next.





- Click the Install button to start the installation.





- Installation of SQL complete. Click the close button.
- Login to SQL Management Studio now and grant the SPAdmin the DB\_Creator and Security\_Admin Rights.
- Close SQL Management Studio.

## Install SharePoint 2013:

Open up Explorer and go to the SharePoint ISO and double click the setup file. We are going to install SharePoint server.

Microsoft SharePoint Server 2013

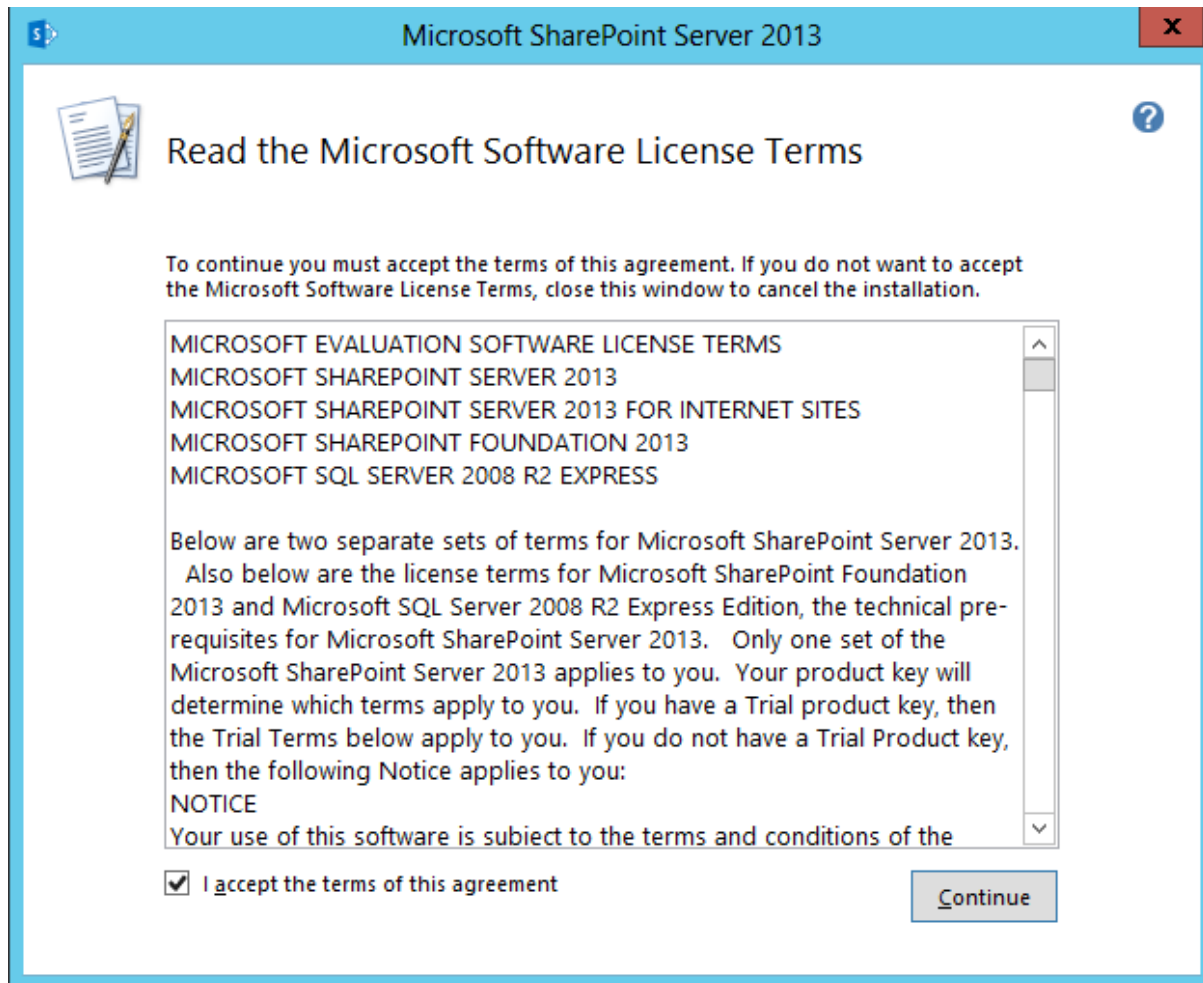
 Enter your Product Key 

**Need to find your Product Key?**

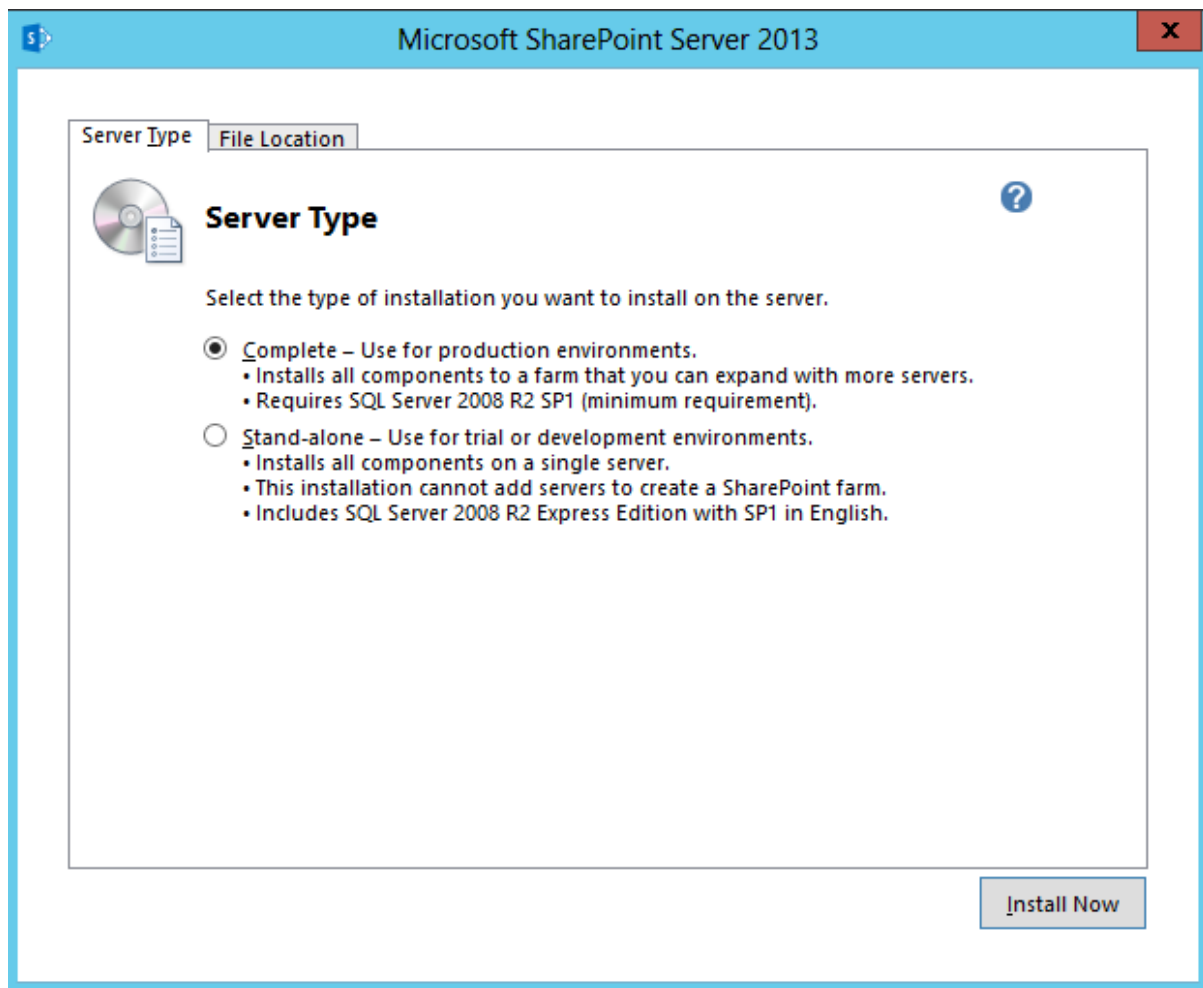
Your Product Key is 25 characters and is typically found in your product packaging. If you cannot find your Product Key, click the "Learn more about Product Keys and see examples" link.

[Learn more about Product Keys and see examples](#)

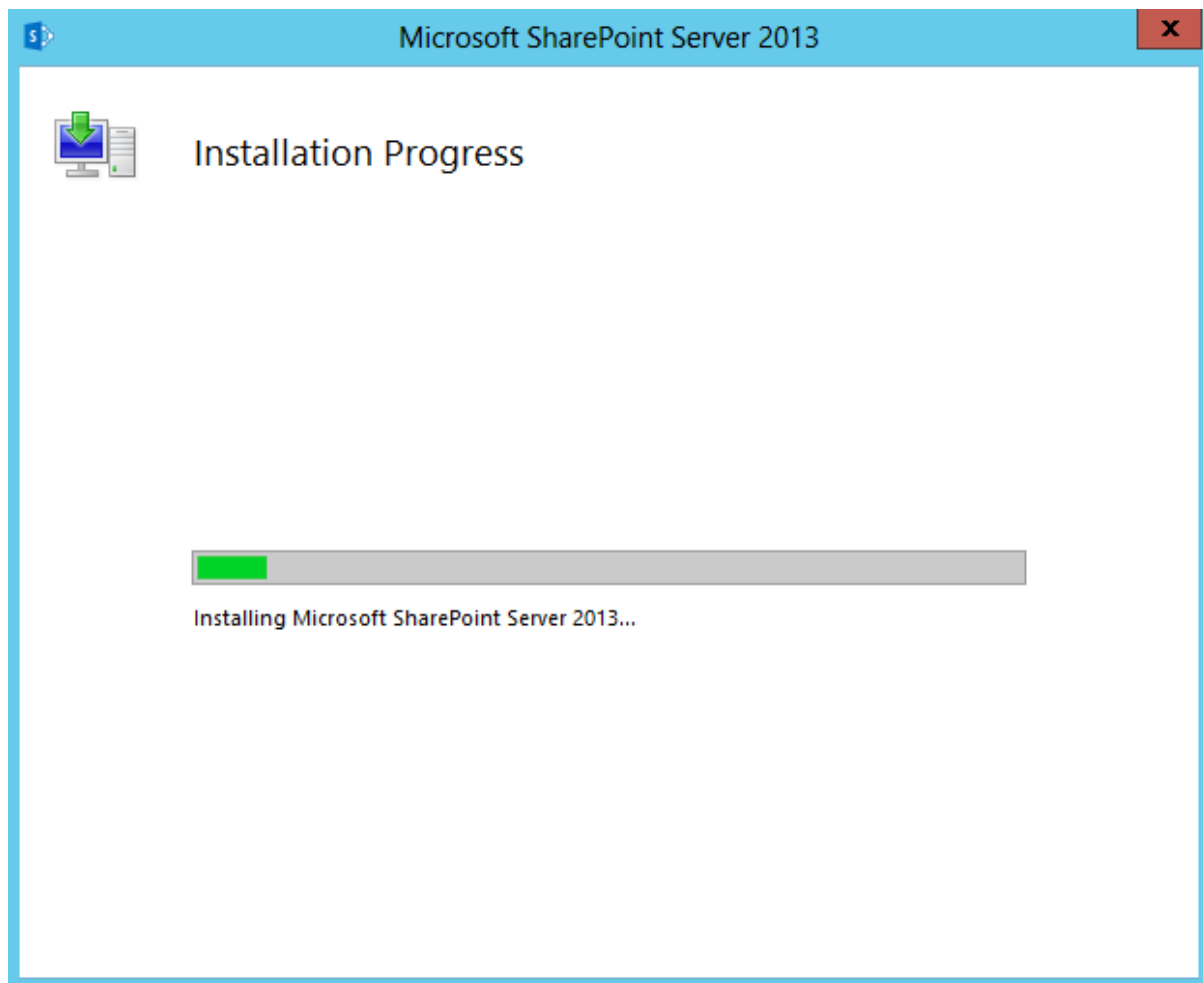
- Enter in your product key and wait for it to be verified. Click the Continue button.



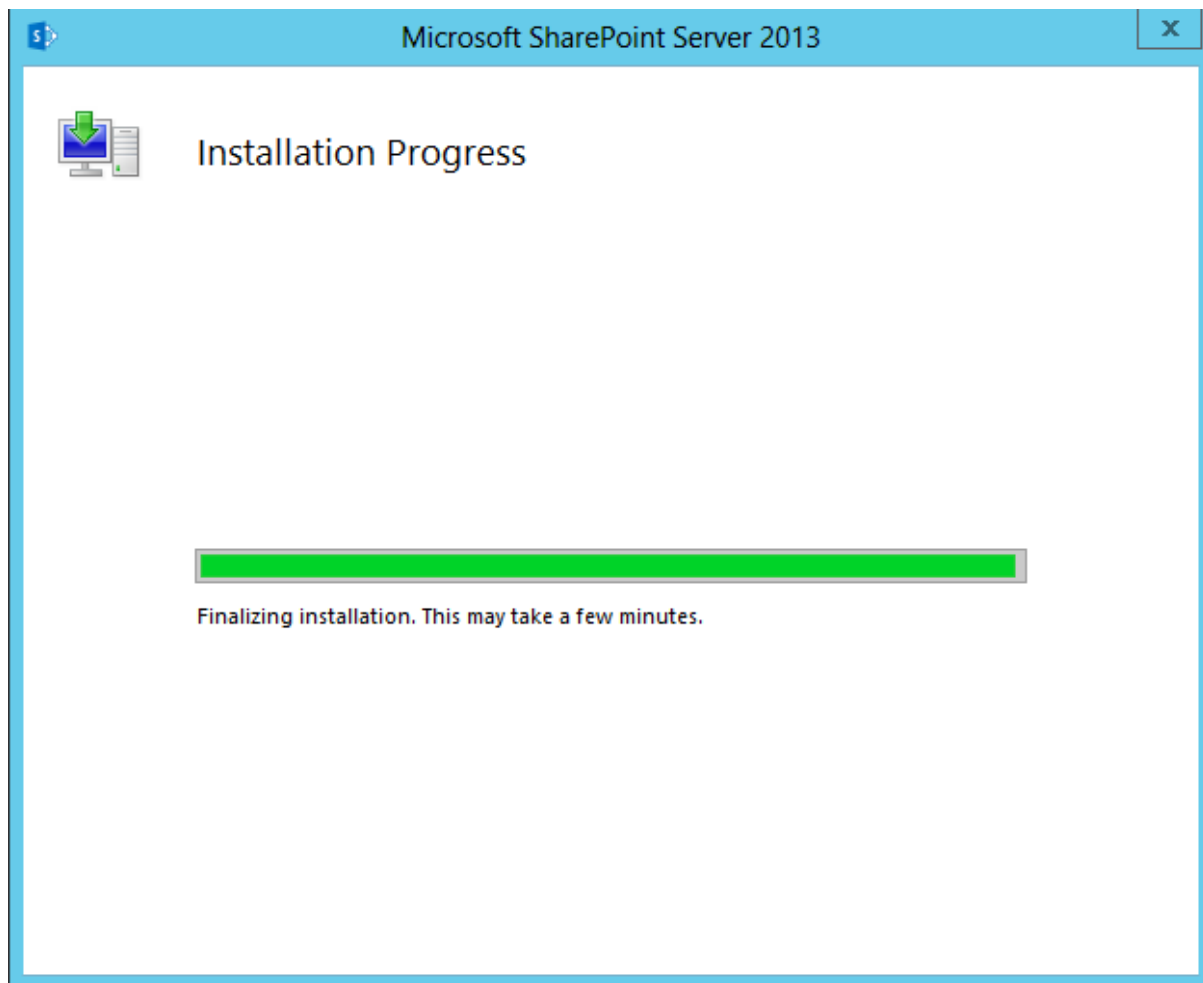
- Accept the license agreement and click the Continue button.



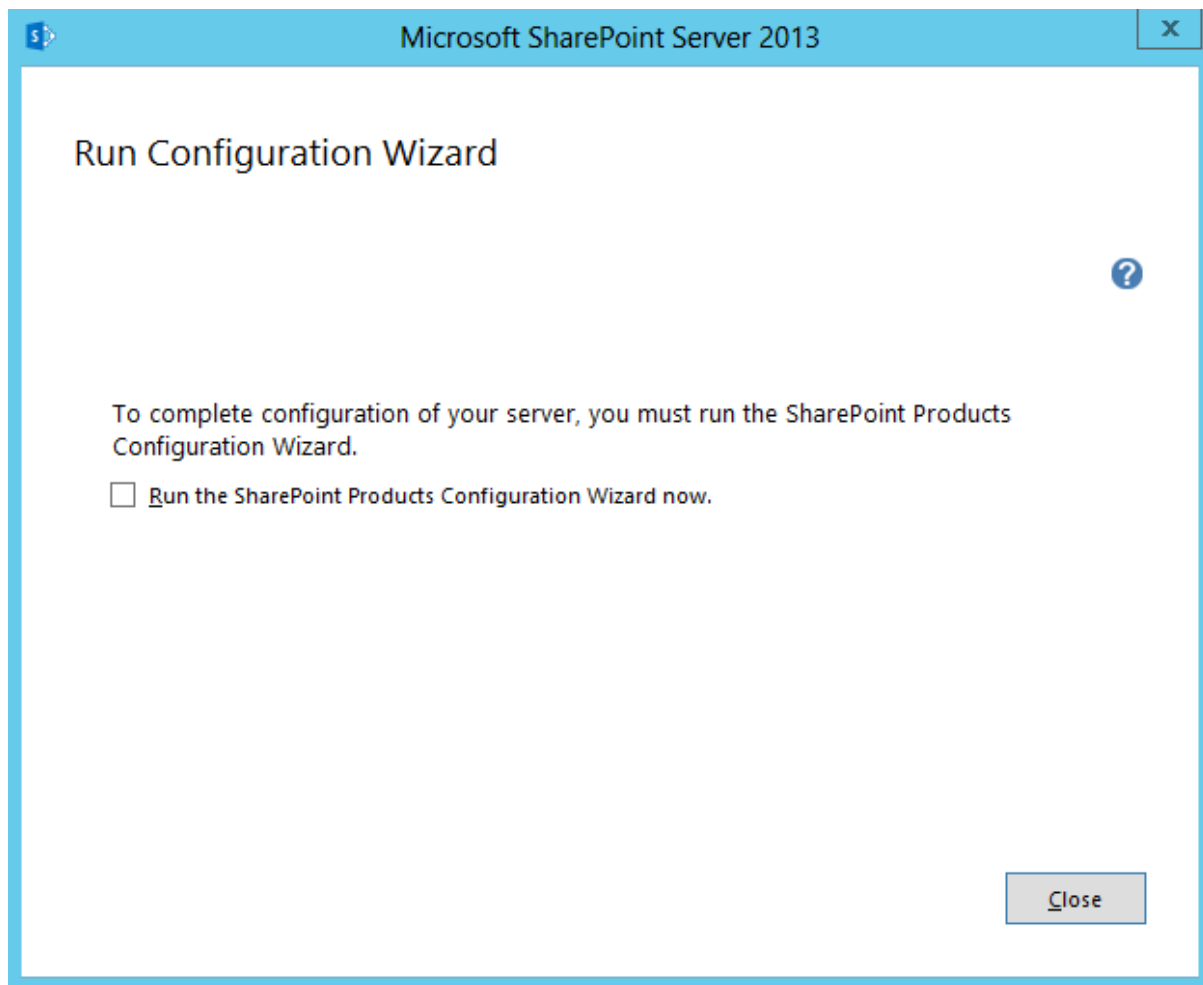
- Select Complete as we are going to be doing a full installation. Click the Install Now button.



- The installation takes a little while, depending on your hardware.

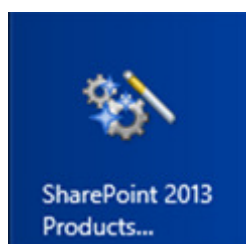


- Finalization screen.



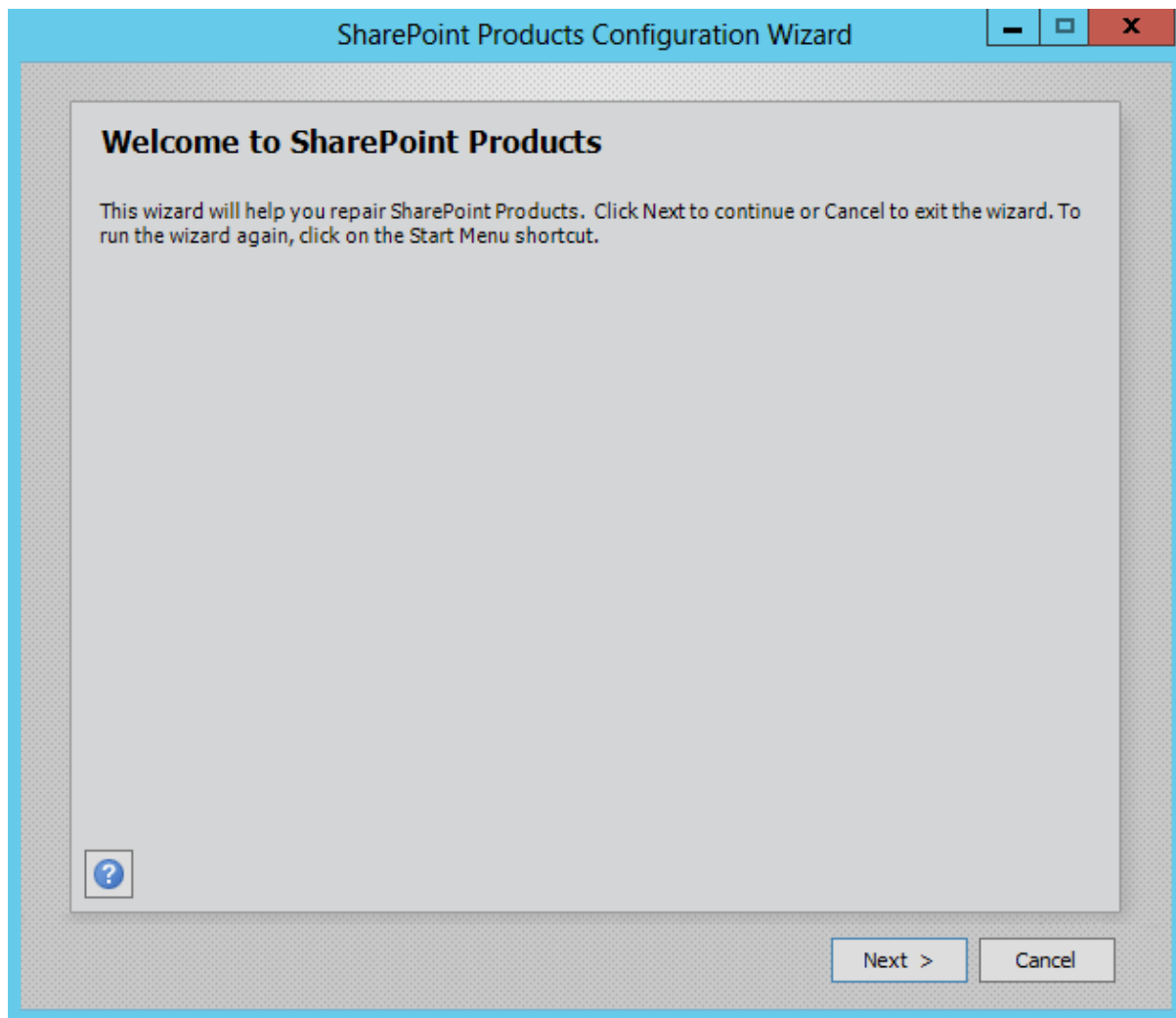
- Setup is now complete. Click the Close button.

## Configure SharePoint 2013

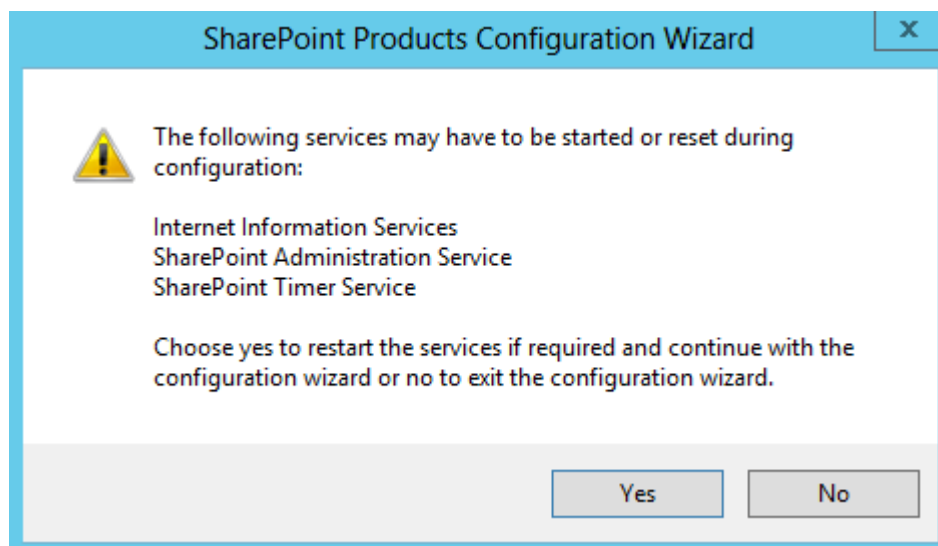


- Press the windows key and the click on SharePoint 2013 Products Configuration.





- Click Next to start the configuration wizard.



- The splash screen above will show, click yes to stop the services and continue the setup.

The screenshot shows a Windows-style dialog box titled "SharePoint Products Configuration Wizard". The main content area is titled "Modify server farm Settings". It contains the text "This server is connected to the following server farm:". Below this, there are two input fields: "Database server:" which is empty, and "Database name:" which contains the text "SharePoint\_Config". Underneath these fields, it says "Select one of the following options." followed by two radio button options: "Do not disconnect from this server farm" (which is selected) and "Disconnect from this serverfarm". In the bottom-left corner of the main area is a small square button with a question mark. At the bottom of the dialog are three buttons: "< Back", "Next >", and "Cancel".

SharePoint Products Configuration Wizard

### Modify server farm Settings

This server is connected to the following server farm:

Database server:

Database name:

Select one of the following options.

☒ Do not disconnect from this server farm

☐ Disconnect from this serverfarm

- Accept the default settings or enter in a database server (I removed my name from the screen shot)
- Select the first option "Do no disconnect from this server farm" and click Next.

SharePoint Products Configuration Wizard

### Configure SharePoint Central Administration Web Application

A SharePoint Central Administration Web Application allows you to manage configuration settings for a server farm. The first server added to a server farm must host this web application. To specify a port number for the web application hosted on this machine, check the box below and type a number between 1 and 65535. If you do not specify a port number, a random one will be chosen.


☐ Specify port number:

### Configure Security Settings

Kerberos is the recommended security configuration to use with Integrated Windows authentication. Kerberos requires special configuration by the domain administrator. NTLM authentication will work with any application pool account and the default domain configuration. [Show me more information.](#)

Choose an authentication provider for this Web Application.

☒ NTLM  
☐ Negotiate (Kerberos)



< Back   Next >   Cancel

- You can specify a port number as above or accept the one assigned. Select your Security settings and then click Next.

SharePoint Products Configuration Wizard

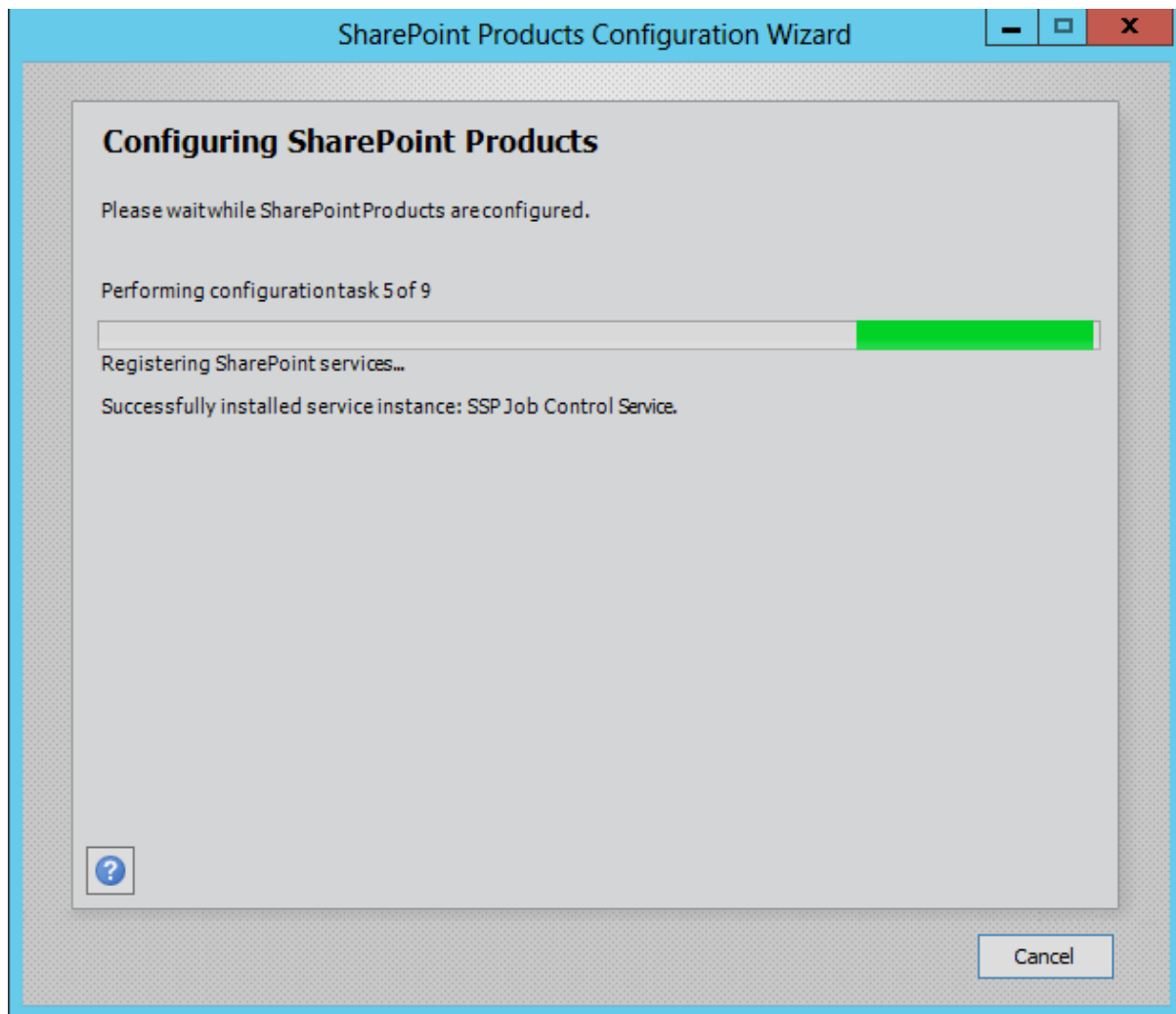
### Completing the SharePoint Products Configuration Wizard

The following configuration settings will be applied:

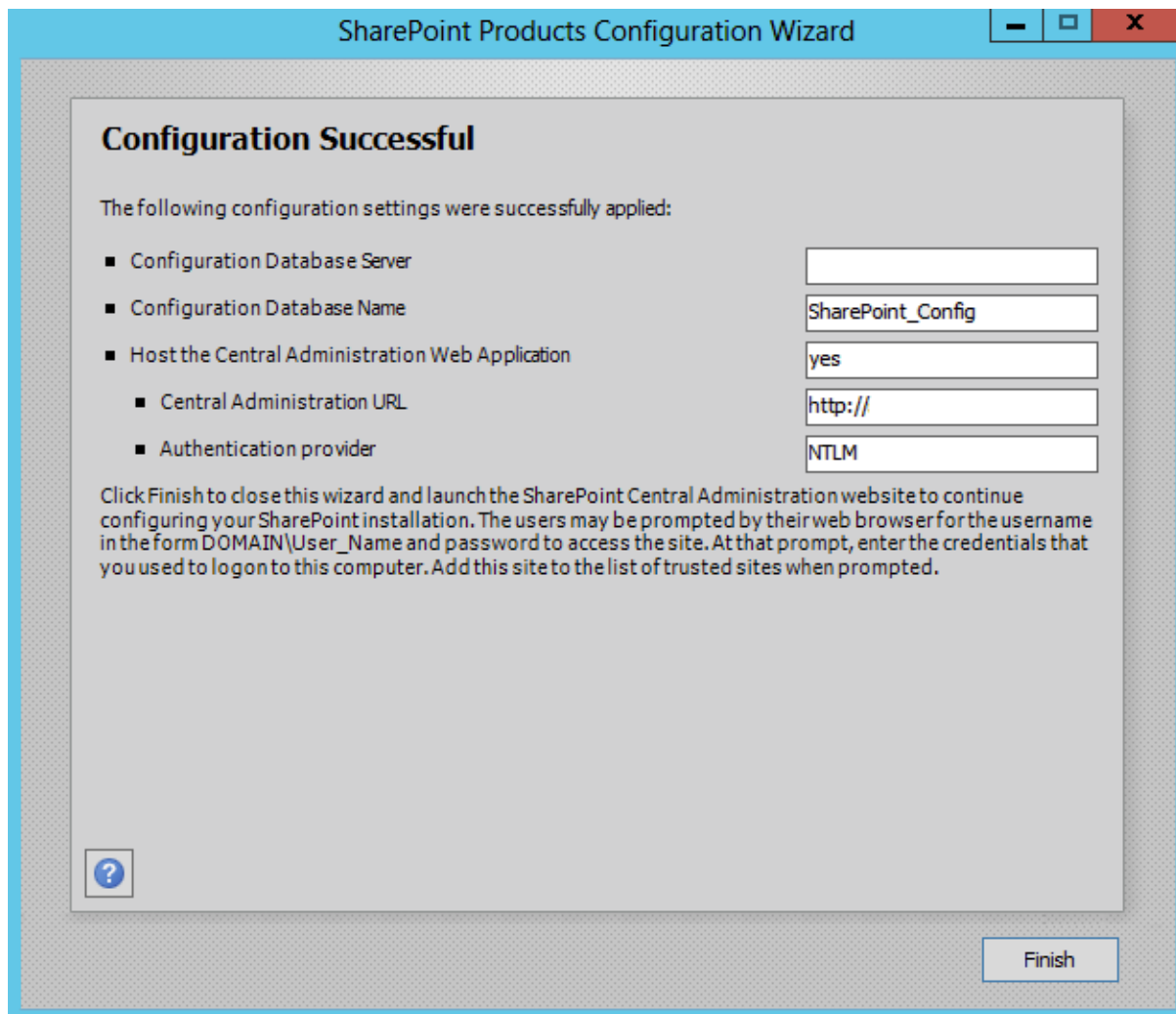
- Configuration Database Server
- Configuration Database Name
- Host the Central Administration Web Application 
  - Central Administration URL
  - Authentication provider

Click Next to apply configuration settings.

- Review your selection and then click the Next button to start the configuration/installation.

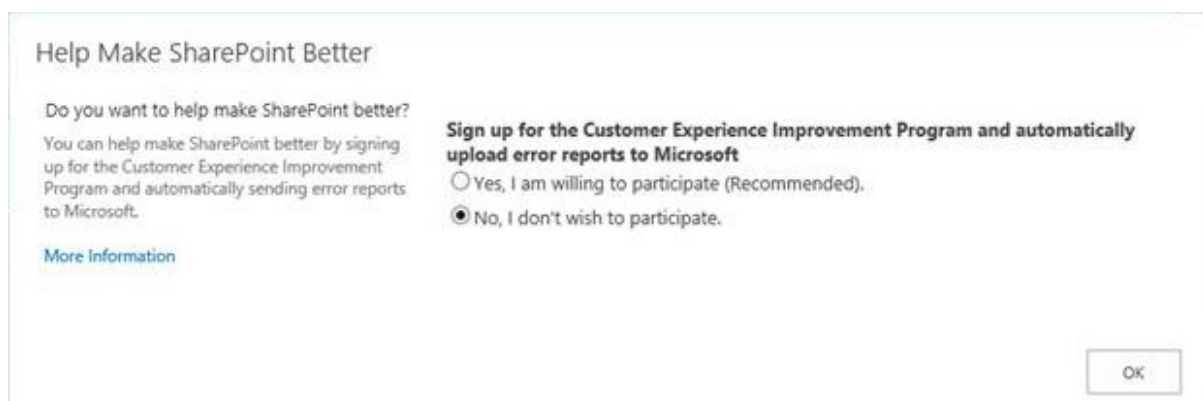


- Installation progress.
- Step 2 takes a few minutes and then the rest of the steps go pretty quickly.
- Step 9 and 10 also take some time. Just be patient for the install to finish.

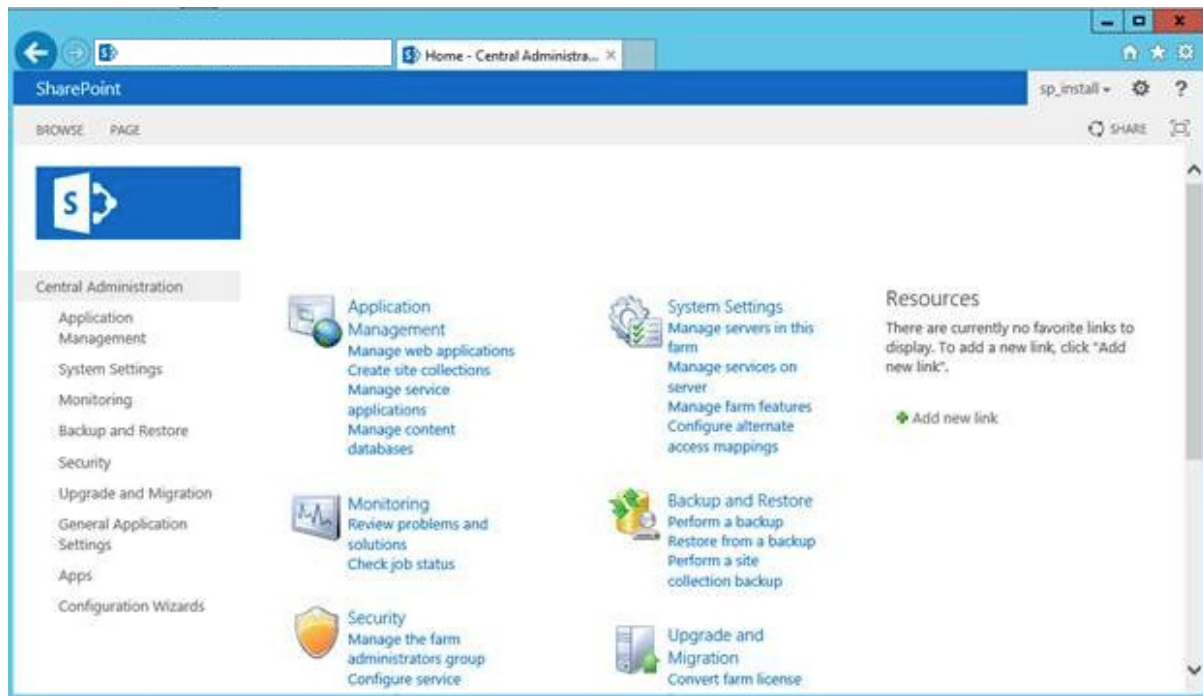


- Configuration successful. Copy the URL for Central Administration and paste it in a web browser to start the configuration of SharePoint 2013 in your environment.

## Advanced configuration SharePoint 2013



- Select the option that suites you and click Ok.



- Central Administration Webpage.
- Now you can setup your search services, user profile services and creating or managing your websites.