

# Installing SharePoint 2019 - Part 1

In this post, I will show you the steps involved for SP2019 installation. Within the lab, I will be running it on Windows Server 2019. The server is fully patched and restarted. It is a virtual machine with 12GB Memory and 250GB Hard Drive. The whole installation will be a single server install. All the roles, features, database on a single server farm.



Just created a VM for this install.

New Virtual Machine Wizard

**Specify Name and Location**

**Before You Begin**

- Specify Name and Location
- Specify Generation
- Assign Memory
- Configure Networking
- Connect Virtual Hard Disk
- Summary

Choose a name and location for this virtual machine.

The name is displayed in Hyper-V Manager. We recommend that you use a name that helps you easily identify this virtual machine, such as the name of the guest operating system or workload.

Name:

You can create a folder or use an existing folder to store the virtual machine. If you don't select a folder, the virtual machine is stored in the default folder configured for this server.

☒ Store the virtual machine in a different location

Location:

**!** If you plan to take checkpoints of this virtual machine, select a location that has enough free space. Checkpoints include virtual machine data and may require a large amount of space.

< Previous **Next >** Finish Cancel

New Virtual Machine Wizard

**Specify Generation**

**Before You Begin**

- Specify Name and Location
- Specify Generation**
- Assign Memory
- Configure Networking
- Connect Virtual Hard Disk
- Summary

Choose the generation of this virtual machine.

☐ Generation 1

This virtual machine generation supports 32-bit and 64-bit guest operating systems and provides virtual hardware which has been available in all previous versions of Hyper-V.

☒ **Generation 2**

This virtual machine generation provides support for newer virtualization features, has UEFI-based firmware, and requires a supported 64-bit guest operating system.

**!** Once a virtual machine has been created, you cannot change its generation.

[More about virtual machine generation support](#)

< Previous **Next >** Finish Cancel



## Assign Memory

Before You Begin  
Specify Name and Location  
Specify Generation  
**Assign Memory**  
Configure Networking  
Connect Virtual Hard Disk  
Summary

Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 12582912 MB. To improve performance, specify more than the minimum amount recommended for the operating system.

Startup memory:  MB

☐ Use Dynamic Memory for this virtual machine.

**i** When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.

< Previous

Next >

Finish

Cancel



## Configure Networking

Before You Begin  
Specify Name and Location  
Specify Generation  
Assign Memory  
**Configure Networking**  
Connect Virtual Hard Disk  
Summary

Each new virtual machine includes a network adapter. You can configure the network adapter to use a virtual switch, or it can remain disconnected.

Connection:

< Previous

Next >

Finish

Cancel



## Connect Virtual Hard Disk

Before You Begin

Specify Name and Location

Specify Generation

Assign Memory

Configure Networking

Connect Virtual Hard Disk

Summary

A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.

☐ Create a virtual hard disk

Use this option to create a VHDX dynamically expanding virtual hard disk.

Name: SP2019.vhdx

Location: C:\VM\SP2019\Virtual Hard Disks\

Browse...

Size: 127 GB (Maximum: 64 TB)

☐ Use an existing virtual hard disk

Use this option to attach an existing VHDX virtual hard disk.

Location: C:\VM\

Browse...

☒ Attach a virtual hard disk later

Use this option to skip this step now and attach an existing virtual hard disk later.

< Previous

Next >

Finish

Cancel



## Completing the New Virtual Machine Wizard

Before You Begin

Specify Name and Location

Specify Generation

Assign Memory

Configure Networking

Connect Virtual Hard Disk

Summary

You have successfully completed the New Virtual Machine Wizard. You are about to create the following virtual machine.

Description:

Name: SP2019

Generation: Generation 2

Memory: 12048 MB

Network: Realtek PCIe GBE Family Controller - Virtual Switch

Hard Disk: None

To create the virtual machine and close the wizard, click Finish.

< Previous

Next >

Finish

Cancel

Hyper-V Manager

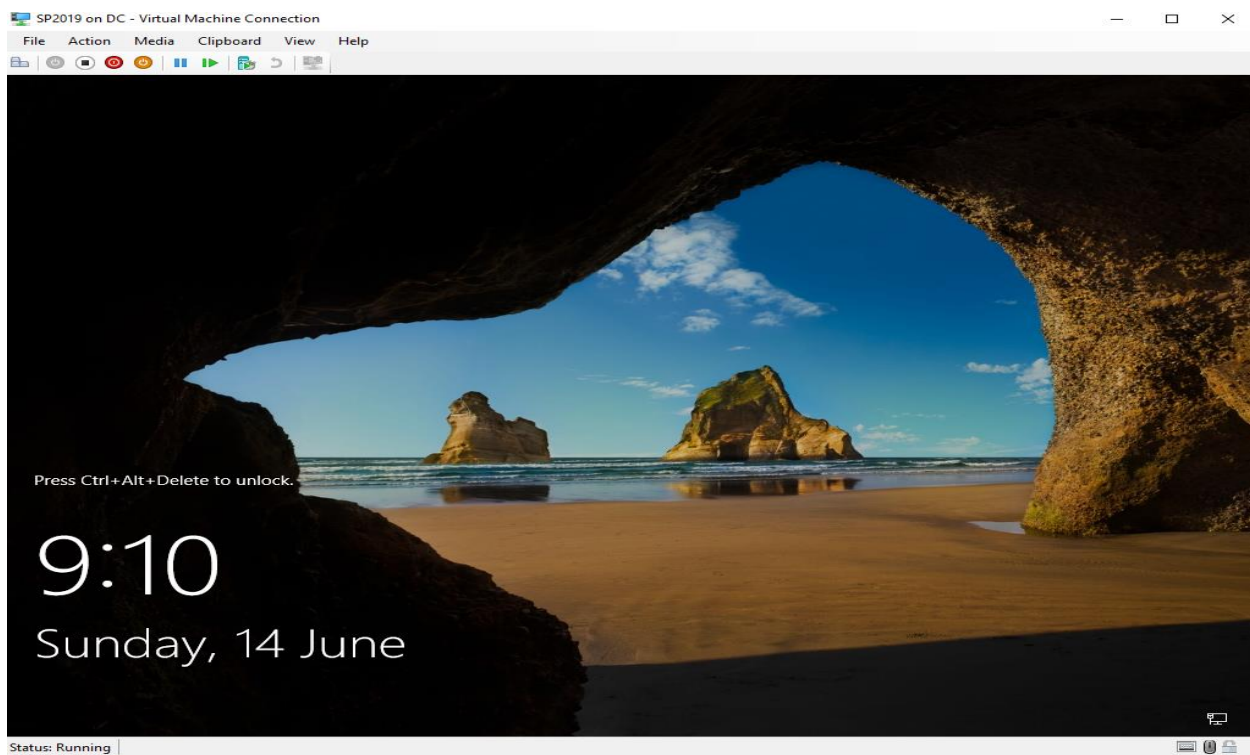
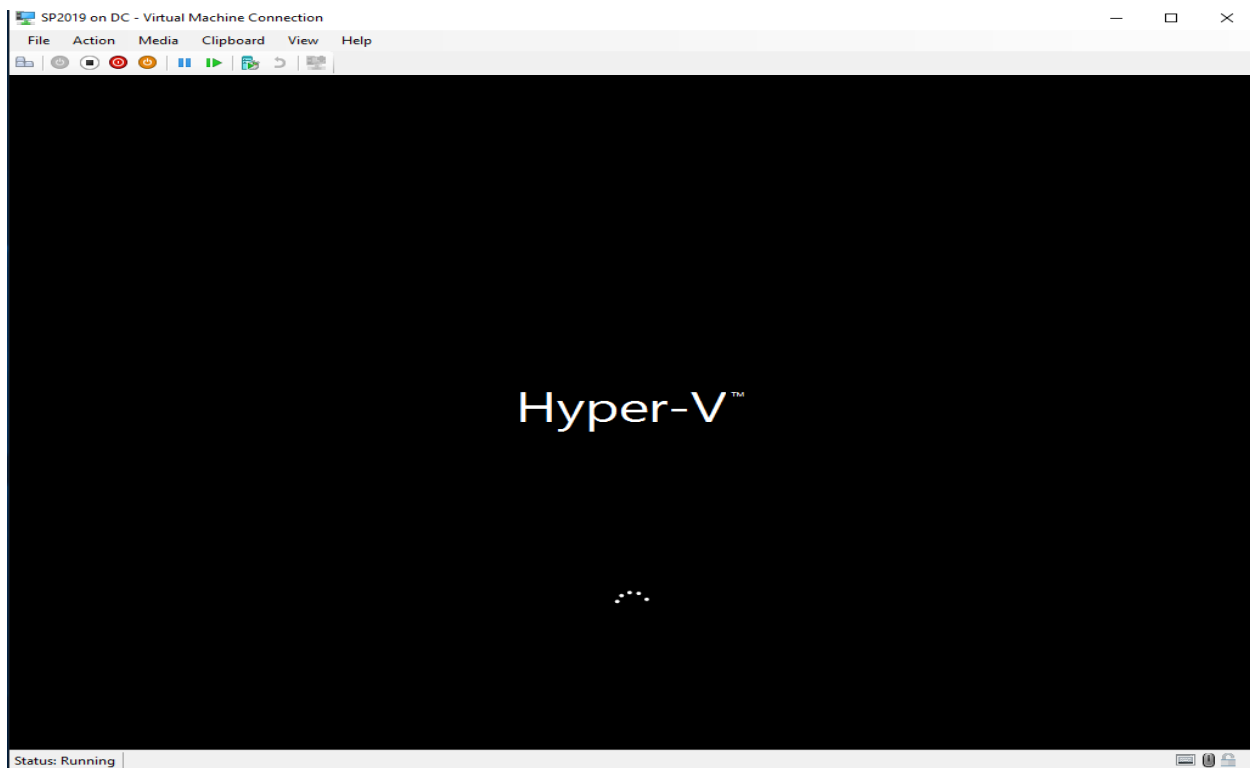
File Action View Help

Hyper-V Manager

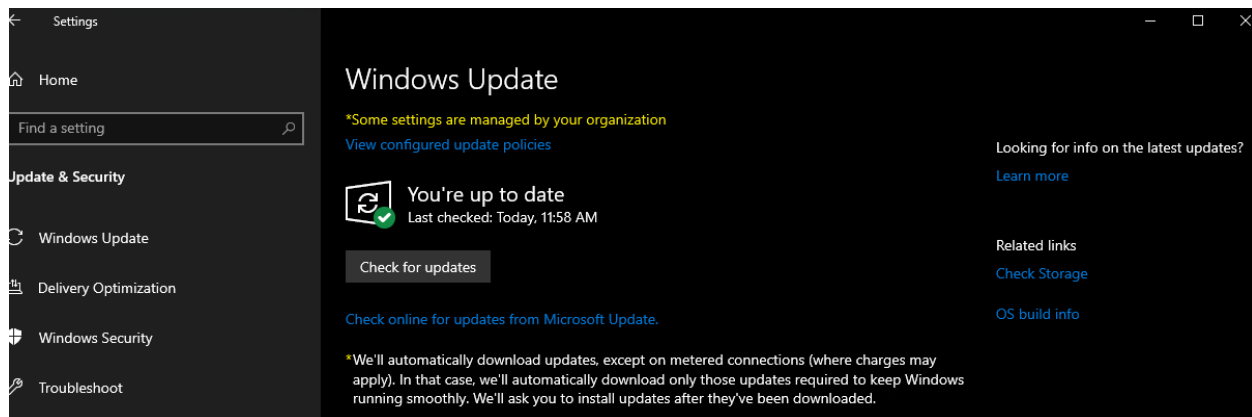
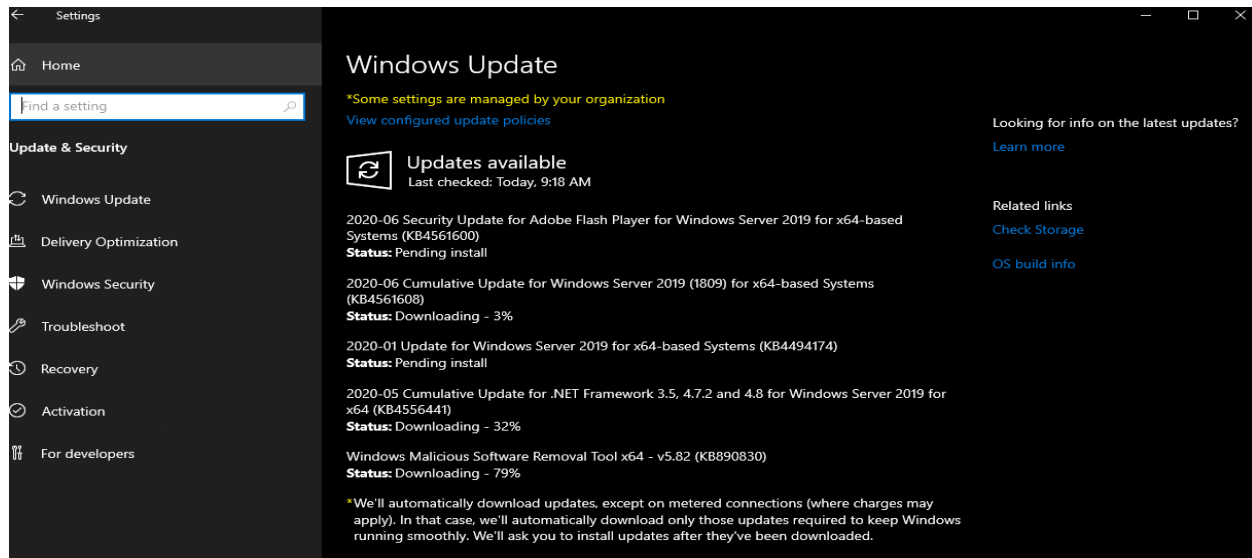
DC

Virtual Machines

Name	State	CPU Usage	Assigned Memory	Uptime	Status	Configurati...
DPM	Off					9.0
OFFICESERVER	Off					9.0
OM	Off					9.0
ORCH	Off					9.0
SFB	Off					9.0
SM1	Off					9.0
SM2	Off					9.0
SRV2004	Off					9.0
TP1	Off					9.0
VMM	Off					9.0
SP2019	Off					9.0

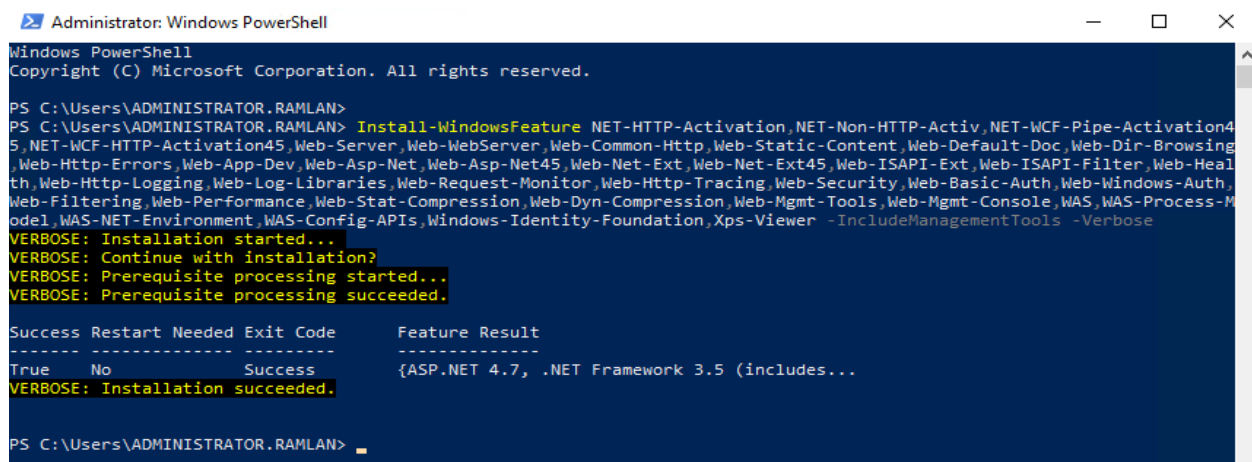


The server is up and running. Installing the updates.

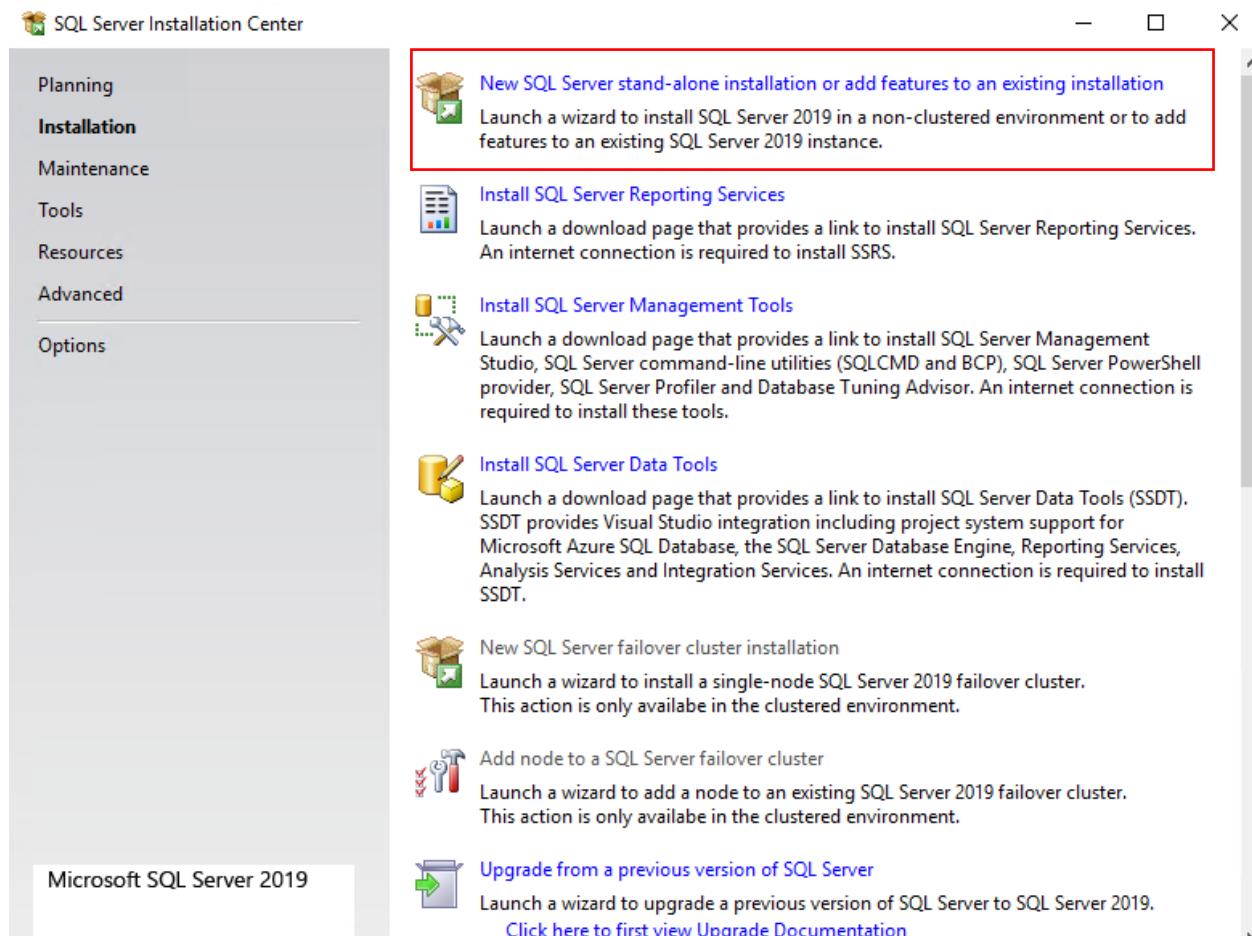
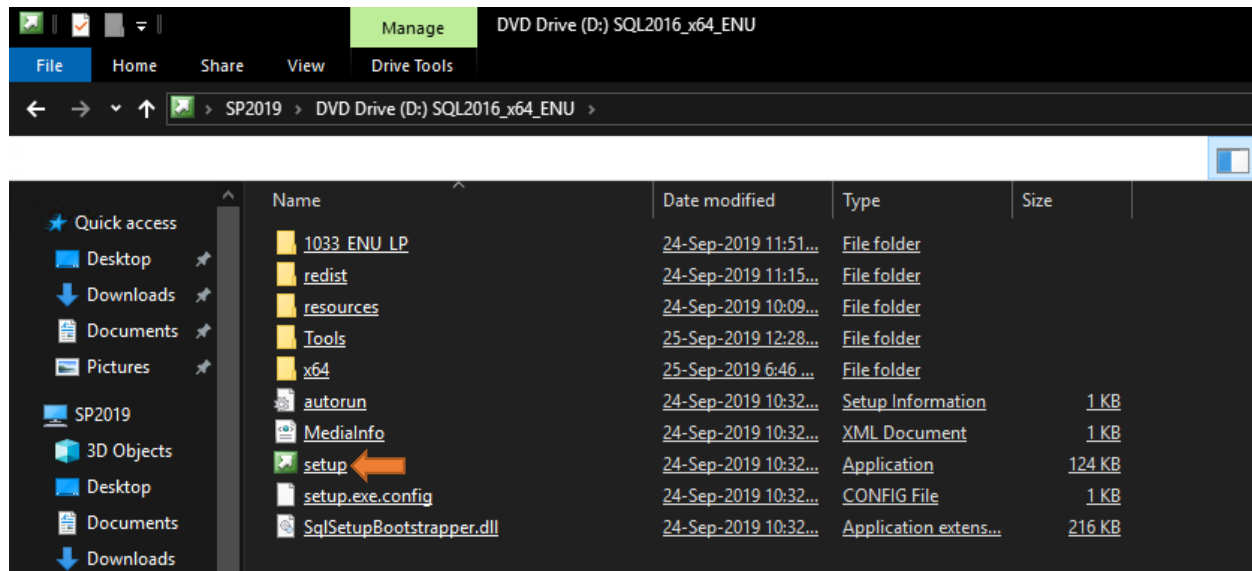


Now we will install required roles and features. Open PowerShell and run this command

Install-WindowsFeature NET-HTTP-Activation,NET-Non-HTTP-Activ,NET-WCF-Pipe-Activation45,NET-WCF-HTTP-Activation45,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-Asp-Net45,Web-Net-Ext,Web-Net-Ext45,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-Performance,Web-Stat-Compression,Web-Dyn-Compression,Web-Mgmt-Tools,Web-Mgmt-Console,WAS,WAS-Process-Model,WAS-NET-Environment,WAS-Config-APIs,Windows-Identity-Foundation,Xps-Viewer -IncludeManagementTools -Verbose



We will install SQL 2019



## Product Key

Specify the edition of SQL Server 2019 to install.

### Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Validate this instance of SQL Server 2019 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard.

☐ Specify a free edition:

Evaluation

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Next >

Cancel

## License Terms

To install SQL Server 2019, you must accept the Microsoft Software License Terms.

Product Key

**License Terms**

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

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Notice: A paid SQL Server edition product key has been provided for the current action - Enterprise. Please ensure you are entitled to this SQL Server edition with proper licensing in place for the product key (edition) supplied.

SQL Server transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the [documentation](#).

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Cancel



## Microsoft Update

Use Microsoft Update to check for important updates

Product Key  
License Terms  
Global Rules  
**Microsoft Update**  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

Microsoft Update offers security and other important updates for Windows and other Microsoft software, including SQL Server 2019. Updates are delivered using Automatic Updates, or you can visit the Microsoft Update website.

☒ Use Microsoft Update to check for updates (recommended)

[Microsoft Update FAQ](#)

[Microsoft Update Privacy Statement](#)

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Cancel

## Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
**Install Rules**  
Feature Selection  
Feature Rules  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

Operation completed. Passed: 3. Failed 0. Warning 1. Skipped 0.

Hide details <<

Re-run

[View detailed report](#)

Result	Rule	Status
✓	Consistency validation for SQL Server registry keys	<a href="#">Passed</a>
✓	Computer domain controller	<a href="#">Passed</a>
⚠	Windows Firewall	<a href="#">Warning</a>
✓	SQL 2019 minimum CTP for Upgrade and Side by Side Support	<a href="#">Passed</a>

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Cancel



## Feature Selection

Select the Enterprise features to install.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
**Feature Selection**  
Feature Rules  
Instance Configuration  
Server Configuration  
Database Engine Configuration  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

Looking for Reporting Services? [Download it from the web](#)

Features:

- Instance Features**
- ☒ Database Engine Services
    - ☐ SQL Server Replication
    - ☐ Machine Learning Services and Language
      - ☐ R
      - ☐ Python
      - ☐ Java
    - ☐ Full-Text and Semantic Extractions for Search
    - ☐ Data Quality Services
    - ☐ PolyBase Query Service for External Data
    - ☐ In-Memory OLTP

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL

Prerequisites for selected features:

Already installed:  
... Windows PowerShell 3.0 or higher

To be installed from media:

Disk Space Requirements

Drive C: 1003 MB required, 229911 MB available

Select All

Unselect All

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

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

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## Instance Configuration

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

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
**Instance Configuration**  
Server Configuration  
Database Engine Configuration  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

☒ Default instance

☐ Named instance: MSSQLSERVER

Instance ID: MSSQLSERVER

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version

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Cancel

## Server Configuration

Specify the service accounts and collation configuration.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
**Server Configuration**  
Database Engine Configuration  
Feature 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	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Browser	NT AUTHORITY\LOCAL ...		Automatic ▾

☐ Grant Perform Volume Maintenance Task privilege to SQL Server Database Engine Service

This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

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Cancel

## Server Configuration

Specify the service accounts and collation configuration.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
**Server Configuration**  
Database Engine Configuration  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

Service Accounts Collation

Database Engine:

Latin1\_General\_CI\_AS

Customize...

Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive

**Above Collation will work. No need for Latin1\_General\_CI\_AS\_KS\_WS**

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Cancel

## Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, MaxDOP, Memory, and Filestream settings.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
Server Configuration  
**Database Engine Configuration**  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
Complete

Server Configuration | Data Directories | TempDB | MaxDOP | Memory | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

☒ Windows authentication mode

☐ Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa) account.

Enter password:

Confirm password:

Specify SQL Server administrators

RAMLAN\Administrator (Administrator)  
SP2019\Administrator (Administrator)  
RAMLAN\ram (Ram)  
RAMLAN\SQLSVC (SQLSVC)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User

Add...

Remove

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Cancel

## Ready to Install

Verify the SQL Server 2019 features to be installed.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
Server Configuration  
Database Engine Configuration  
Feature Configuration Rules  
**Ready to Install**  
Installation Progress  
Complete

Ready to install SQL Server 2019:

Summary

... Edition: Enterprise

... Action: Install (Product Update)

Prerequisites

... Already installed:

... Windows PowerShell 3.0 or higher

... To be installed from media:

... Microsoft Visual C++ 2017 Redistributable

General Configuration

Features

... Database Engine Services

Instance configuration

... Instance Name: MSSQLSERVER

... Instance ID: MSSQLSERVER

Instance IDs

... SQL Database Engine: MSSQL15.MSSQLSERVER

... Instance Directory: C:\Program Files\Microsoft SQL Server\

Configuration file path:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20200614\_121612\ConfigurationFile.ini

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Install

Cancel

## Complete

Your SQL Server 2019 installation completed successfully with product updates.

Product Key  
License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
Server Configuration  
Database Engine Configuration  
Feature Configuration Rules  
Ready to Install  
Installation Progress  
**Complete**

Information about the Setup operation or possible next steps:

Feature	Status
Database Engine Services	Succeeded
SQL Browser	Succeeded
SQL Writer	Succeeded
SQL Client Connectivity SDK	Succeeded
SQL Client Connectivity	Succeeded
Setup Support Files	Succeeded

Details:


Install successful.

Summary log file has been saved to the following location:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20200614\_121612  
Summary\_SP2019\_20200614\_121612.txt

Close

## Will install SQL Server 2019 CU4 KB4548597

 Install a SQL Server 2019 update

**License Terms**

To install the update, you must accept the Microsoft Software License Terms.

SQL Server 2019 update

**License Terms**

Select Features

Check Files In Use



Ready to update

Update Progress

Complete

**UPDATE FOR MICROSOFT SQL SERVER 2019**

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 Install a SQL Server 2019 update

**Select Features**

Specify the features to update.

SQL Server 2019 update

License Terms

**Select Features**

Check Files In Use

Ready to update

Update Progress

Complete

Instances:

☒ MSSQLSERVER  
    Database Engine Services  
☒ Shared Features  
    SQL Client Connectivity SDK

Select All   Unselect All

Description:

Language:

Edition:

Patch Level:

Architecture:

Service Pack:

Upgrade Status:

< Back   Next >   Cancel

**Check Files In Use**

The following services and applications are using files that Setup needs to complete the installation. To avoid a computer restart, stop the applications and services.

SQL Server 2019 update  
License Terms  
Select Features  
**Check Files In Use**  
Ready to update  
Update Progress  
Complete

Files in use check completed.

Stop check

Refresh check

< Back

Next >

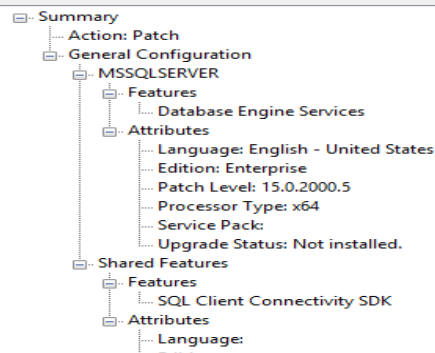
Cancel

**Ready to update**

Verify the list of features to be updated.

SQL Server 2019 update  
License Terms  
Select Features  
Check Files In Use  
**Ready to update**  
Update Progress  
Complete

Ready to update:



Configuration file path:

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Update

Cancel

**Complete**

Your SQL Server 2019 update operation is complete.

SQL Server 2019 update  
License Terms  
Select Features  
Check Files In Use  
Ready to update  
Update Progress  
**Complete**

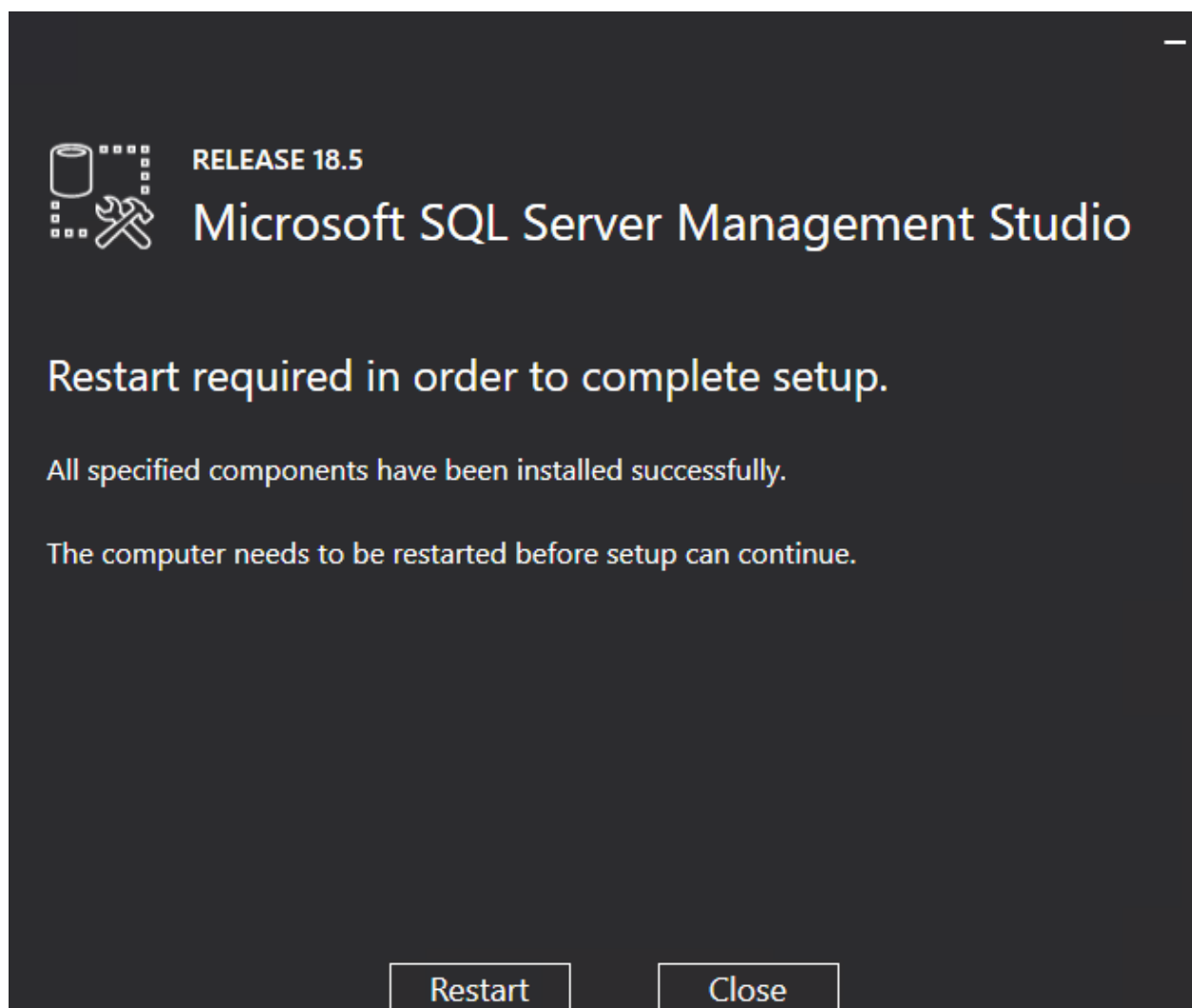
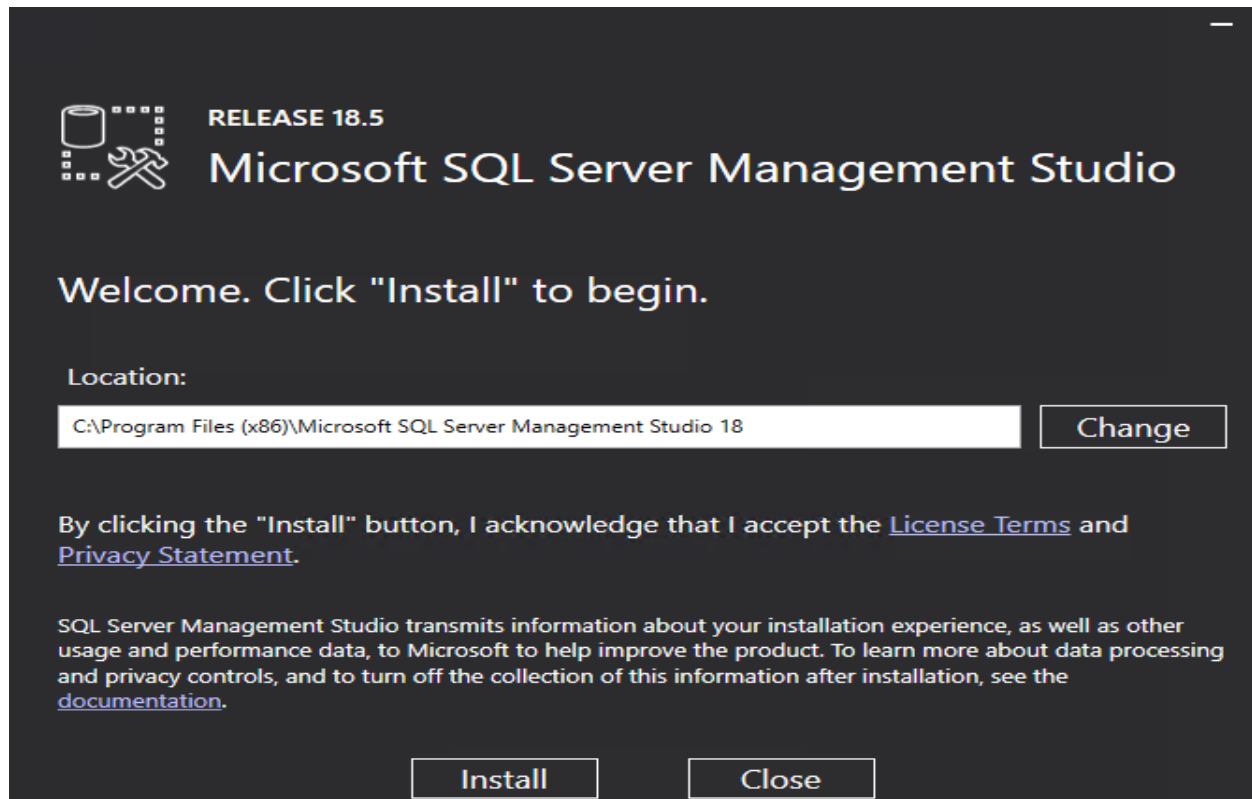
Information about the Setup operation or possible next steps:

Feature	Status
Database Engine Services (MSSQLSERVER)	Succeeded
SQL Browser (MSSQLSERVER)	Succeeded
SQL Writer (MSSQLSERVER)	Succeeded
Setup Support Files (MSSQLSERVER)	Succeeded

Summary log file has been saved to the following location:

[C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20200614\\_124752\Summary\\_SP2019\\_20200614\\_124752.txt](C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20200614_124752\Summary_SP2019_20200614_124752.txt)

Close



Now we are ready to start pre req checker within SP2019.

SP2019 > DVD Drive (D:) 16.0.10337.12109 >

Name	Date modified	Type	Size
Catalog	25-Sep-2018 3:11 ...	File folder	
Files	25-Sep-2018 3:11 ...	File folder	
Global	25-Sep-2018 3:11 ...	File folder	
Setup	25-Sep-2018 3:11 ...	File folder	
Updates	25-Sep-2018 3:11 ...	File folder	
WSS.en-us	25-Sep-2018 3:11 ...	File folder	
autorun	13-Sep-2018 11:49...	Icon	2 KB
autorun	13-Sep-2018 11:49...	Setup Information	1 KB
default	15-Sep-2018 5:14 ...	HTML Application	15 KB
PrerequisiteInstaller	25-Sep-2018 1:39 ...	Application	5,849 KB
setup	13-Sep-2018 11:49...	Windows Comma...	1 KB
setup.dll	25-Sep-2018 1:26 ...	Application extens...	1,248 KB
setup	25-Sep-2018 1:26 ...	Application	266 KB
splash	15-Sep-2018 5:13 ...	HTML Application	3 KB
svrsetup.dll	25-Sep-2018 1:27 ...	Application extens...	16,983 KB
vcruntime140.dll	13-Sep-2018 11:28...	Application extens...	88 KB

Microsoft® SharePoint® 2019 Products Preparation Tool



## Welcome to the Microsoft® SharePoint® 2019 Products Preparation Tool

The Microsoft® SharePoint® 2019 Products Preparation Tool checks your computer for required products and updates. It may connect to the internet to download products from the Microsoft Download Center. The tool installs and configures the following products:

- Web Server (IIS) Role
- Microsoft SQL Server 2012 SP4 Native Client
- Microsoft Sync Framework Runtime v1.0 SP1 (x64)
- Windows Server AppFabric
- Microsoft Identity Extensions
- Microsoft Information Protection and Control Client 2.1
- Microsoft WCF Data Services 5.6
- Microsoft .NET Framework 4.7.2
- Cumulative Update Package 7 for Microsoft AppFabric 1.1 for Windows Server (KB3092423)
- Visual C++ Redistributable Package for Visual Studio 2012
- Visual C++ Redistributable Package for Visual Studio 2017

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Next >

Cancel



**License Terms for software products.**

This solution requires that you install each of the following software modules and agree to their license terms. Please review the license terms.

**MICROSOFT SOFTWARE LICENSE TERMS**

**Below are License Terms that cover ten different Microsoft products. The products covered by these license terms are:**

Microsoft SQL Server 2012 SP4 Native Client  
Microsoft Sync Framework Runtime v1.0 SP1  
Microsoft AppFabric 1.1 for Windows Server  
Microsoft Identity Extensions  
Microsoft Information Protection and Control Client 2.1  
Microsoft WCF Data Services 5.6  
Microsoft .NET Framework Version 4.7.2 and Associated Language Packs for Microsoft Windows

Be sure to carefully read and understand all of the rights and restrictions described in the EULA. You must accept the terms of the EULA before the products can be downloaded and installed on your computer.

I have read, understood, and agreed to the terms of the End User License Agreement(s) and so signify by clicking "I accept the terms of the License Agreement(s)" and using these products.

☒ I accept the terms of the License Agreement(s)

&lt; Back

Next &gt;

Cancel

**Your system needs to restart to continue. Press Finish to restart your system.**

- Web Server (IIS) Role: configured successfully
- Microsoft SQL Server 2012 SP4 Native Client: equivalent products already installed (no action taken)
- Microsoft Sync Framework Runtime v1.0 SP1 (x64): installed successfully
- Windows Server AppFabric: installed successfully
- Microsoft Identity Extensions: installed successfully
- Microsoft Information Protection and Control Client 2.1: installed successfully
- Microsoft WCF Data Services 5.6: installed successfully
- Cumulative Update Package 7 for Microsoft AppFabric 1.1 for Windows Server (KB3092423): installed successfully
- Microsoft .NET Framework 4.7.2: equivalent products already installed (no action taken)
- Visual C++ Redistributable Package for Visual Studio 2012: installed successfully
- Visual C++ Redistributable Package for Visual Studio 2017: equivalent products already installed (no action taken)

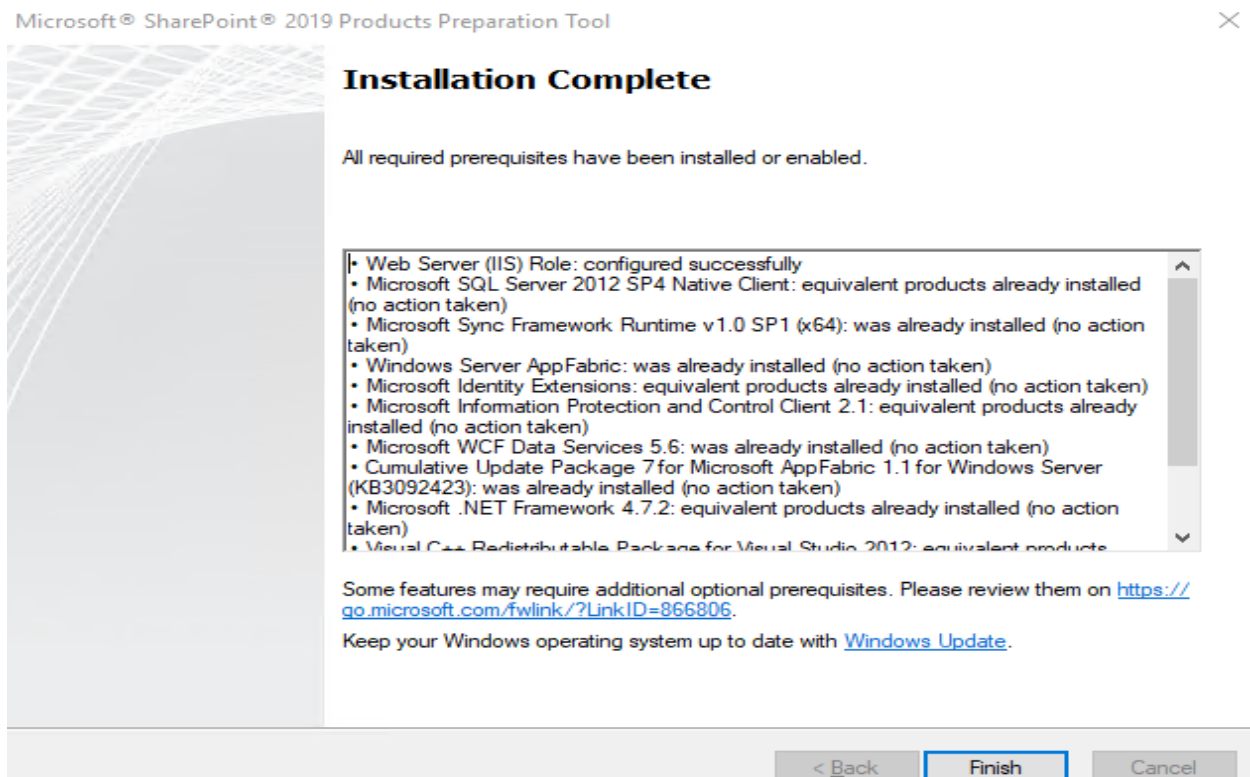
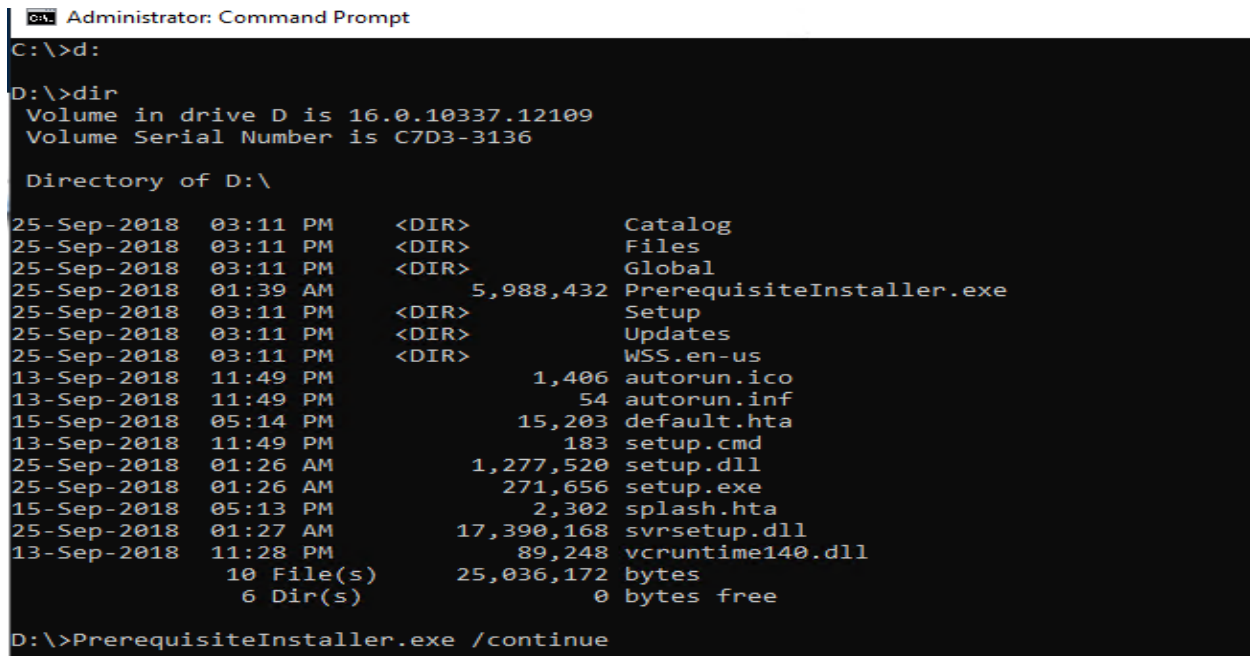
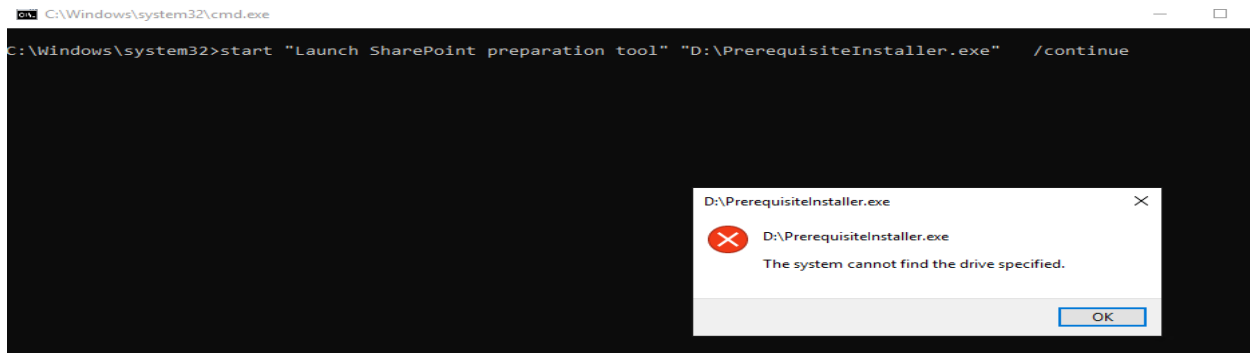
[Review the log file](#)

&lt; Back

Finish

Cancel

If you see this error do the following from command prompt as detailed below.



Now we can start SharePoint 2019 install

SP2019 > DVD Drive (D:) 16.0.10337.12109				
Name	Date modified	Type	Size	
Catalog	25-Sep-2018 3:11 ...	File folder		
Files	25-Sep-2018 3:11 ...	File folder		
Global	25-Sep-2018 3:11 ...	File folder		
Setup	25-Sep-2018 3:11 ...	File folder		
Updates	25-Sep-2018 3:11 ...	File folder		
WSS.en-us	25-Sep-2018 3:11 ...	File folder		
autorun	13-Sep-2018 11:49...	Icon	2 KB	
autorun	13-Sep-2018 11:49...	Setup Information	1 KB	
default	15-Sep-2018 5:14 ...	HTML Application	15 KB	
PrerequisiteInstaller	25-Sep-2018 1:39 ...	Application	5,849 KB	
setup	13-Sep-2018 11:49...	Windows Comma...	1 KB	
setup.dll	25-Sep-2018 1:26 ...	Application extens...	1,248 KB	
setup	25-Sep-2018 1:26 ...	Application	266 KB	
splash	15-Sep-2018 5:13 ...	HTML Application	3 KB	
svrsetup.dll	25-Sep-2018 1:27 ...	Application extens...	16,983 KB	
vcruntime140.dll	13-Sep-2018 11:28...	Application extens...	88 KB	

Microsoft SharePoint Server 2019



## 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](#)

Continue



## Read the Microsoft Software License Terms



To continue you must accept the terms of this agreement. If you do not want to accept the Microsoft Software License Terms, close this window to cancel the installation.

MICROSOFT SOFTWARE LICENSE TERMS  
MICROSOFT SHAREPOINT SERVER 2019  
MICROSOFT PROJECT SERVER 2019

This installation contains the following software, the license terms of each of which are included below, respectively:

1. Microsoft SharePoint Server 2019
2. Microsoft Project Server 2019

Scroll down to read these license terms.



#1  
MICROSOFT EVALUATION SOFTWARE LICENSE TERMS  
MICROSOFT SHAREPOINT SERVER 2019  
Below are two separate sets of terms for Microsoft SharePoint Server 2019. Only one set of the Microsoft SharePoint Server 2019 terms applies to you. Your product key will determine which terms apply to you. If you have a Trial product key, then the Trial Terms below apply to you. If you do not have a Trial Product key, then the following Notice applies to you:

NOTICE  
Your use of this software is subject to the terms and conditions of the license agreement by which you acquire this software. For instance, if you

☒ I accept the terms of this agreement

Continue

File Location

 **Choose a file location** 

Microsoft SharePoint Server 2019 will be installed on your computer. To install this product in a different location, click Browse, and then select the location.

If you intend to use this computer as a search server, the search index files will be stored on the local hard drive. These files can be very large, so ensure that there is sufficient free space on the selected drive. To change where Microsoft SharePoint Server 2019 will store its search index files, click Browse, and then select the location.

## Run Configuration Wizard

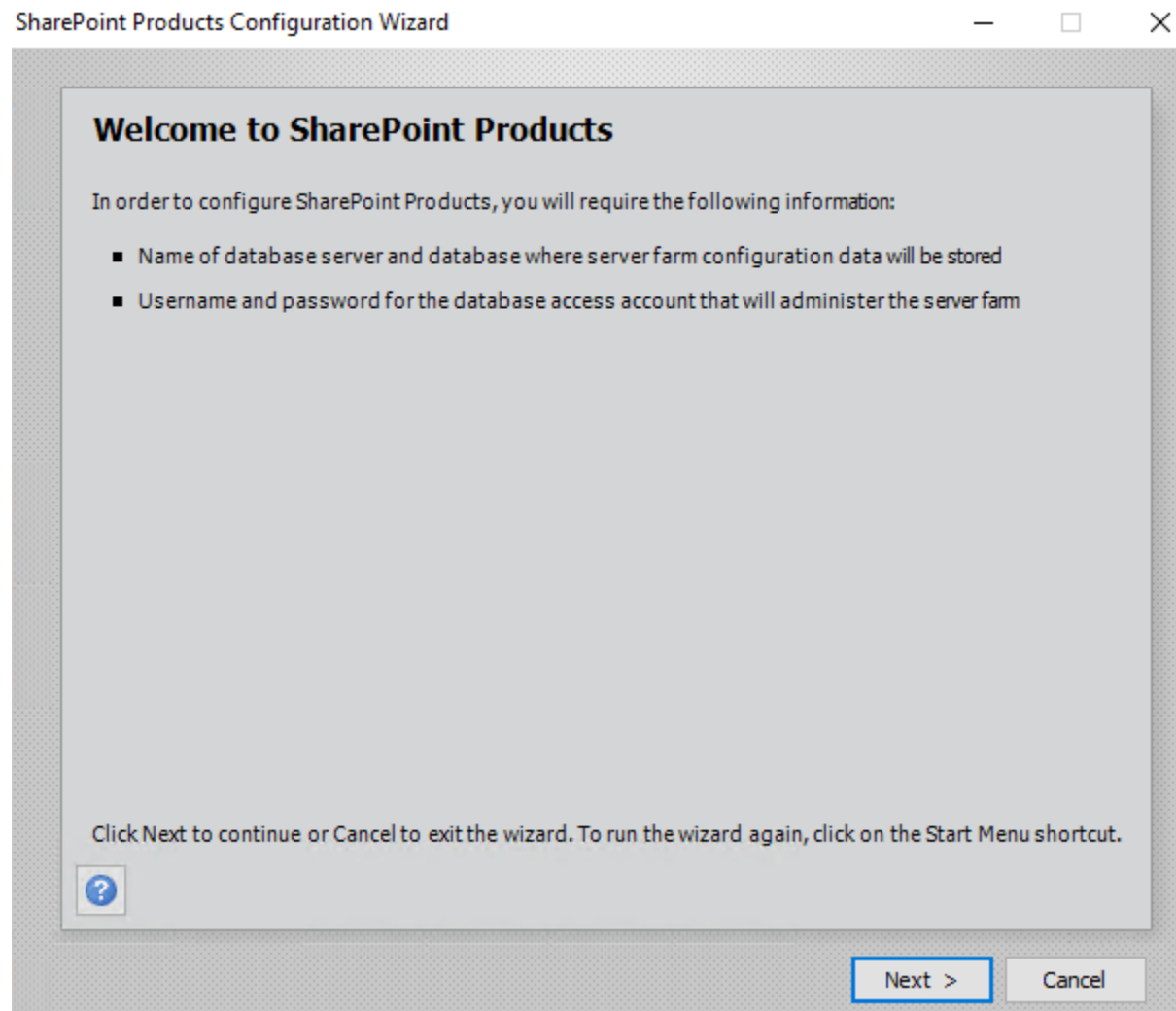


To complete configuration of your server, you must run the SharePoint Products Configuration Wizard.

☒ Run the SharePoint Products Configuration Wizard now.

Close

Now we will complete post configuration after server restart.



SharePoint Products Configuration Wizard



The following services may have to be started or reset during configuration:

Internet Information Services  
SharePoint Administration Service  
SharePoint Timer Service

Choose yes to restart the services if required and continue with the configuration wizard or no to exit the configuration wizard.

Yes

No

## Connect to a server farm

A server farm is a collection of two or more computers that share configuration data. Do you want to connect to an existing server farm?

- ☐ Connect to an existing server farm  
☒ Create a new server farm

## Specify Configuration Database Settings

All servers in a server farm must share a configuration database. Type the database server and database name. If the database does not exist, it will be created. To reuse an existing database, the database must be empty. For additional information regarding database server security configuration and network access please see [help](#).

Database server:

Database name:

## Specify Database Access Account

Select an existing Windows account that this machine will always use to connect to the configuration database. If your configuration database is hosted on another server, you must specify a domain account.

Type the username in the form DOMAIN\User\_Name and password for the account.

Username:

Password:

## Specify Farm Security Settings

Please enter a new passphrase for the SharePoint Products farm. This passphrase is used to secure farm configuration data and is required for each server that joins the farm. The passphrase can be changed after the farm is configured.

Passphrase:

Confirm passphrase:

## Specify Server Role

### Dedicated Roles

- ☐ Front-end
- ☐ Application
- ☐ Distributed Cache
- ☐ Search

### Shared Roles

- ☐ Front-end with Distributed Cache
- ☐ Application with Search

### Special Roles

- ☒ Single-Server Farm
- ☐ Custom

### Description

Service applications, services, and components that are required for a single-server farm belong on a server running the Single-Server Farm role. Use this role for development, testing, and limited production tasks.

[Learn more about server farm topology.](#)



I choose NTLM authentication to keep the lab simple.

## 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)

## Completing the SharePoint Products Configuration Wizard

The following configuration settings will be applied:

- |   |   |
|---|---|
| ■ Configuration Database Server                   | <input type="text" value="SP2019"/>               |
| ■ Configuration Database Name                     | <input type="text" value="SharePoint_Config"/>    |
| ■ Host the Central Administration Web Application | <input type="text" value="yes"/>                  |
| ■ Central Administration URL                      | <input type="text" value="http://sp2019:37351/"/> |
| ■ Authentication provider                         | <input type="text" value="NTLM"/>                 |
| ■ Local Server Role                               | <input type="text" value="Single-Server Farm"/>   |

Click Next to apply configuration settings.

[Advanced Settings](#)

SharePoint Products Configuration Wizard

### Configuration Successful

The following configuration settings were successfully applied:

- |   |   |
|---|---|
| ■ Configuration Database Server                   | <input type="text" value="SP2019"/>               |
| ■ Configuration Database Name                     | <input type="text" value="SharePoint_Config"/>    |
| ■ Host the Central Administration Web Application | <input type="text" value="yes"/>                  |
| ■ Central Administration URL                      | <input type="text" value="http://sp2019:37351/"/> |
| ■ Authentication provider                         | <input type="text" value="NTLM"/>                 |
| ■ Local Server Role                               | <input type="text" value="Single-Server Farm"/>   |

Click Finish to close this wizard and launch the SharePoint Central Administration website to continue configuring your SharePoint installation. The users may be prompted by their web browser for the username in the form DOMAIN\User\_Name and password to access the site. At that prompt, enter the credentials that you used to logon to this computer. Add this site to the list of trusted sites when prompted.



[Finish](#)



The site will open through Internet Explorer. You can either participate or ignore to improve SharePoint.

## Help us improve SharePoint and OneDrive

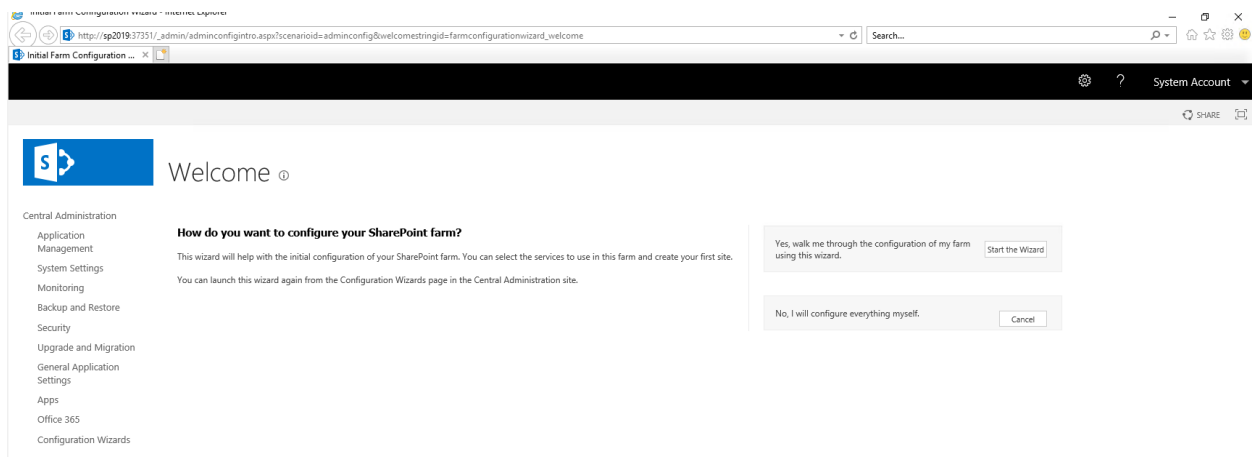
If you participate, SharePoint and OneDrive will automatically send error reports and usage statistics to Microsoft. We'll use this information to build better and more reliable product experiences. We'll also use this data to troubleshoot any issues you encounter.

- ☐ Yes, I am willing to participate (Recommended).
- ☐ No, I don't wish to participate.

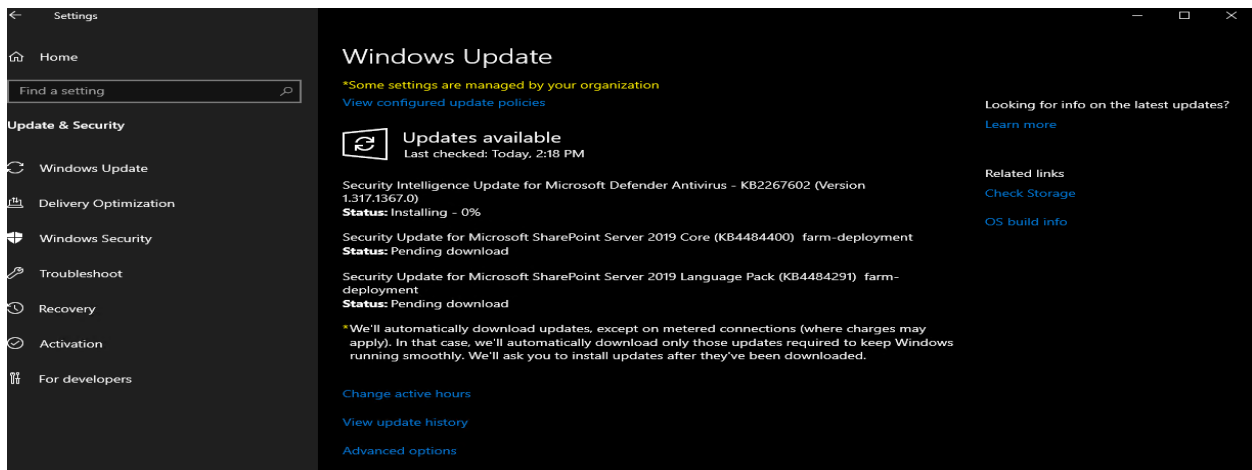
Enter an email address that we can use to verify your identity. We'll use this information when looking up your data in troubleshooting scenarios. We recommend that you use a distribution list for users that have administrator access to this farm.

[More information on what's being sent to Microsoft.](#)

Email address



Will perform one final Windows Update.



This concludes the basic installation of SharePoint 2019.

Thanks

Ram Lan  
14<sup>th</sup> June 2020