MODULE 2.1
SERVER OPERATING SYSTEM INSTALLATION AND CONFIGURATION

GELIL DAVID S. GALANG

Instructor I

What is Server?

- A server is **a computer program or device that provides a service to another computer program** and its user, also known as the client.

- A **server operating system** (server OS) runs on a server in a client-server architecture and provides multiple services to client machines within the network. It forms the software backbone to run various programs and applications.

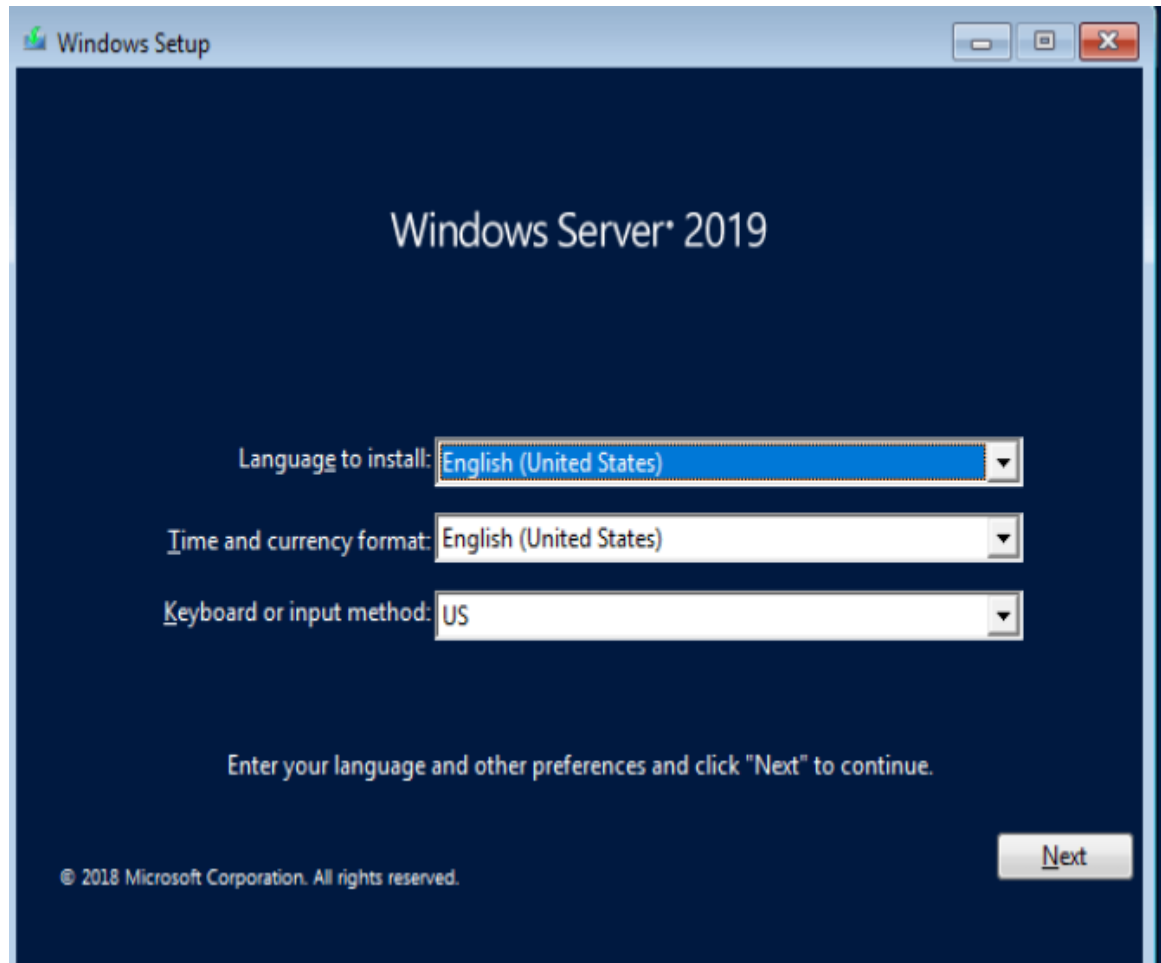# How To Install Windows Server 2019 Step by Step

This guide will walk you through the steps of installing Windows Server 2019 on a physical server, Virtual Environment or in the Cloud. For a physical server installation, you'll need to pull the windows server ISO image and burn to a USB device.

How To Install Windows Server 2019 Step by Step

- After creating a bootable USB or DVD medium, insert it and start your Computer. VirtualBox, KVM and VMware users only need to attach the ISO file during VM creation and follow the installation steps shown.
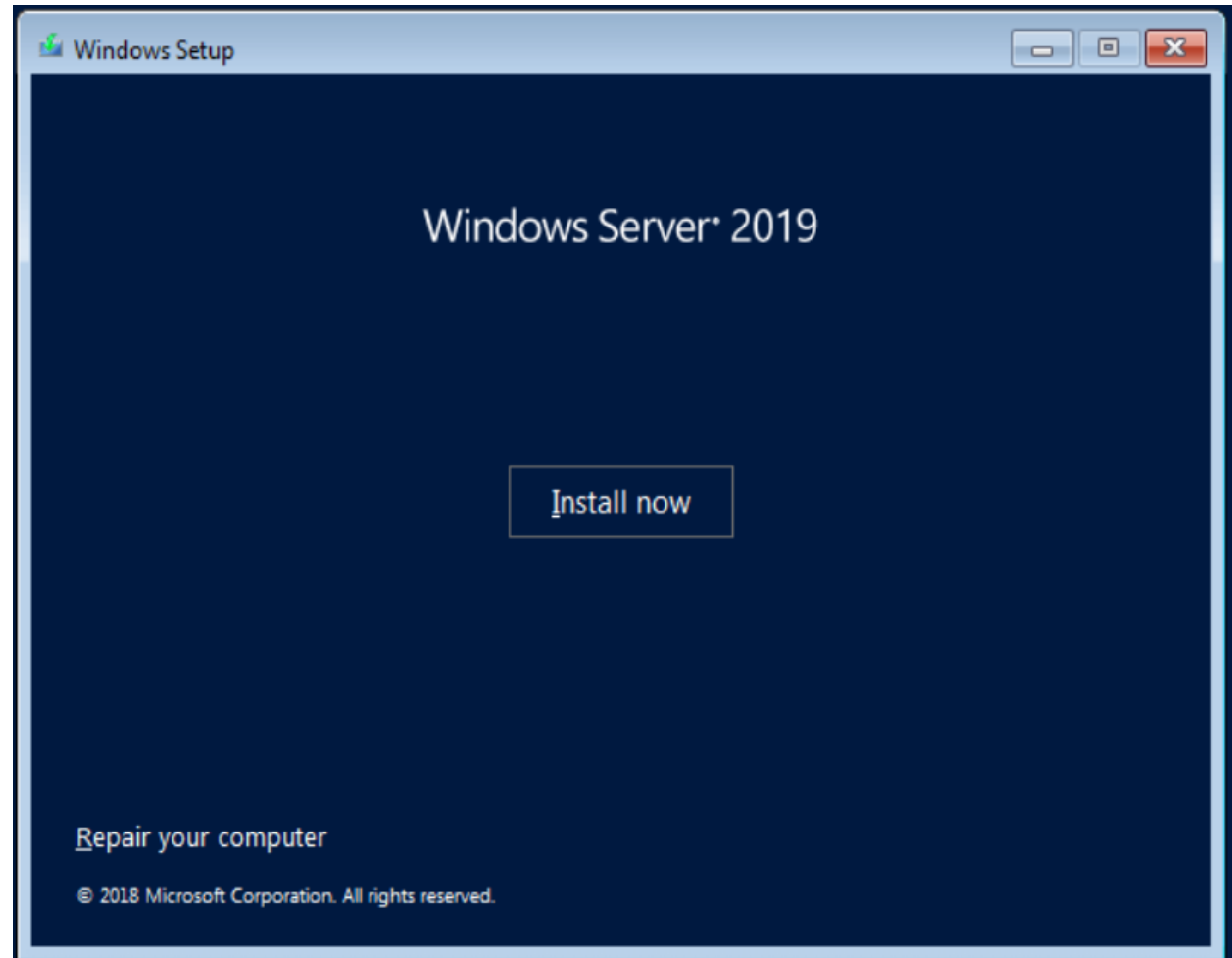
How To Install Windows Server 2019 Step by Step

- 1.On the first screen, select installation language, Time and keyboard layout the click "Next".

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- 2.Start the installation by clicking on "Install Now".
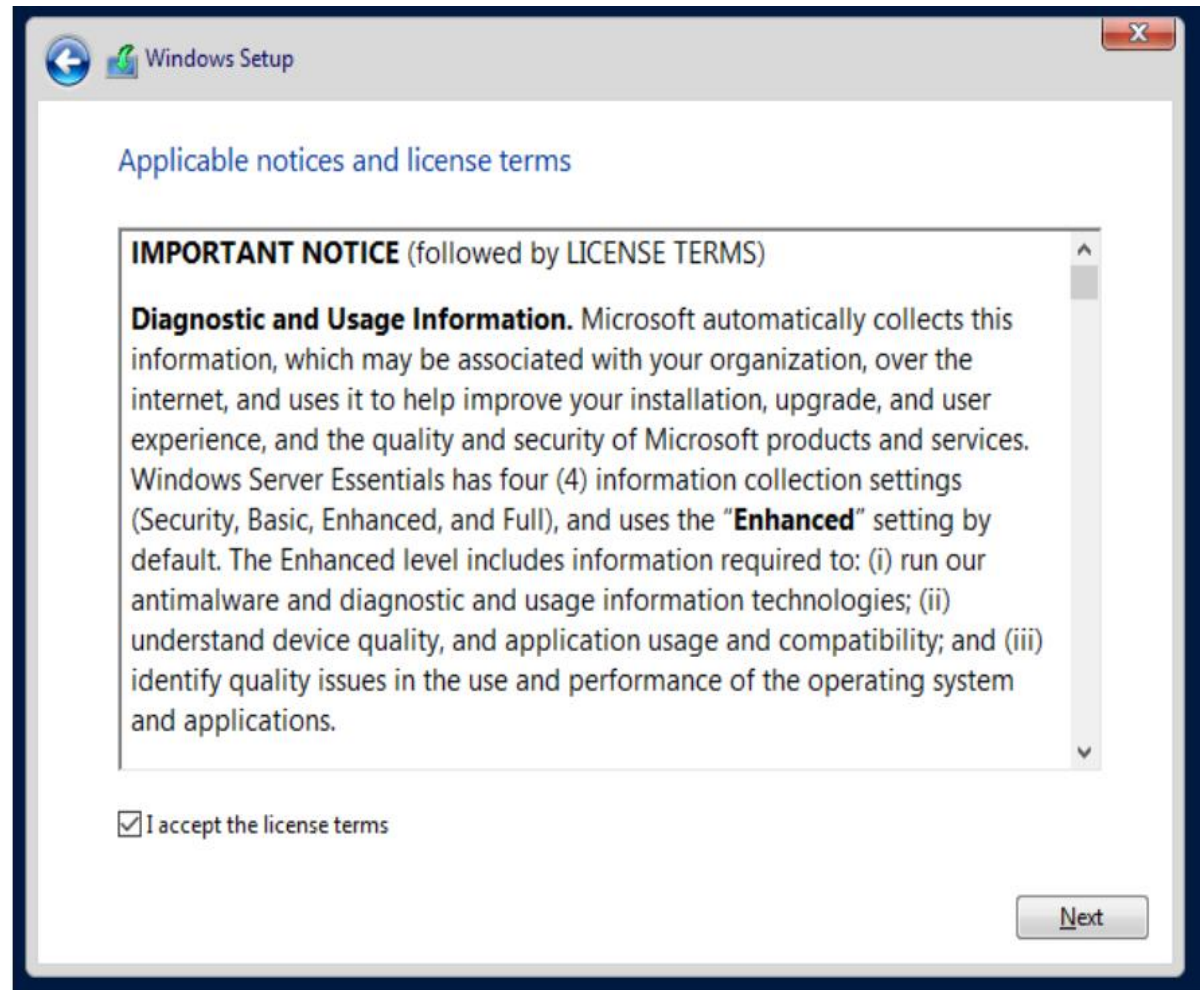
The setup should start in a short while.

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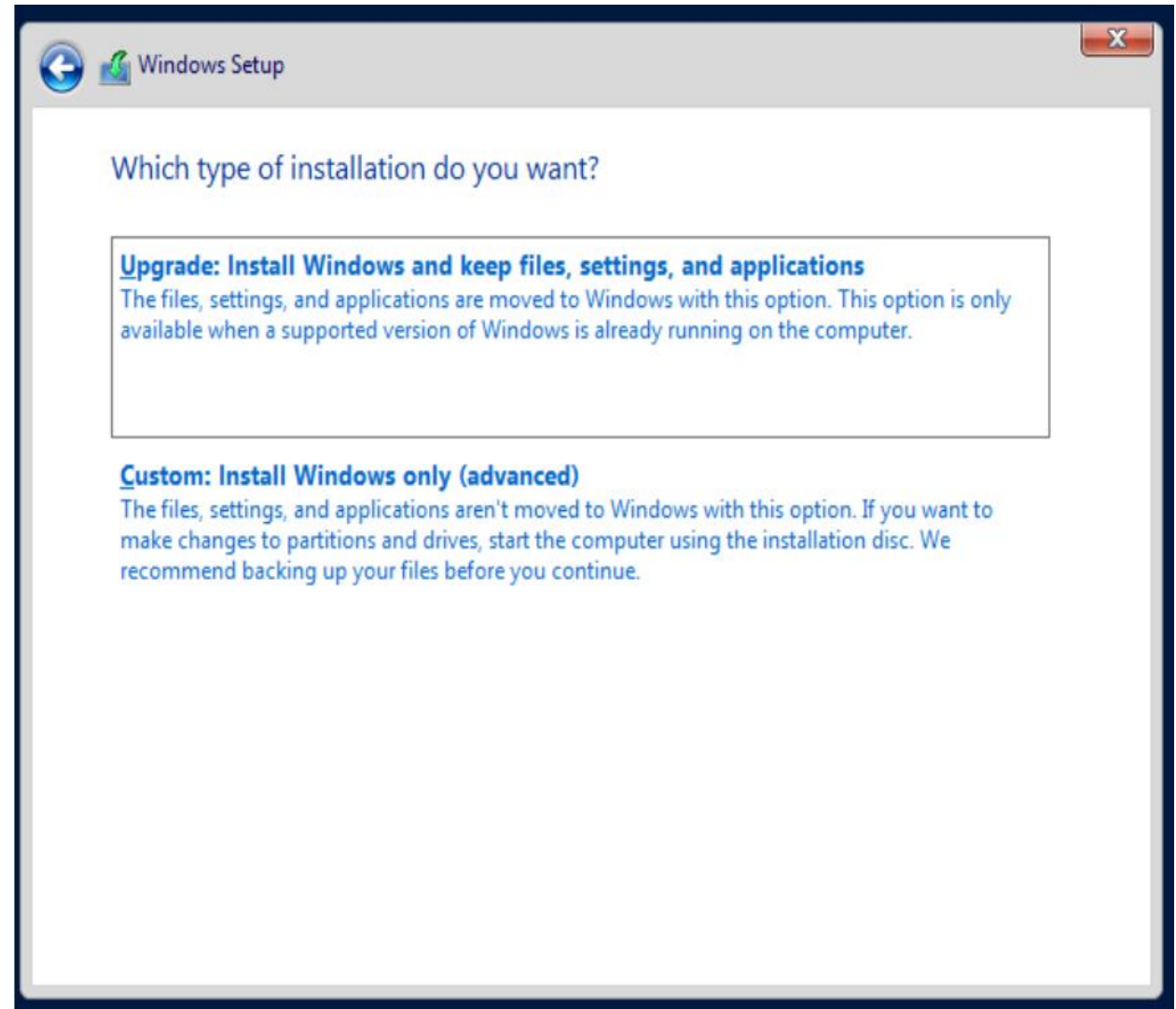- 3.Select the Windows Server 2019 edition to install and click Next.
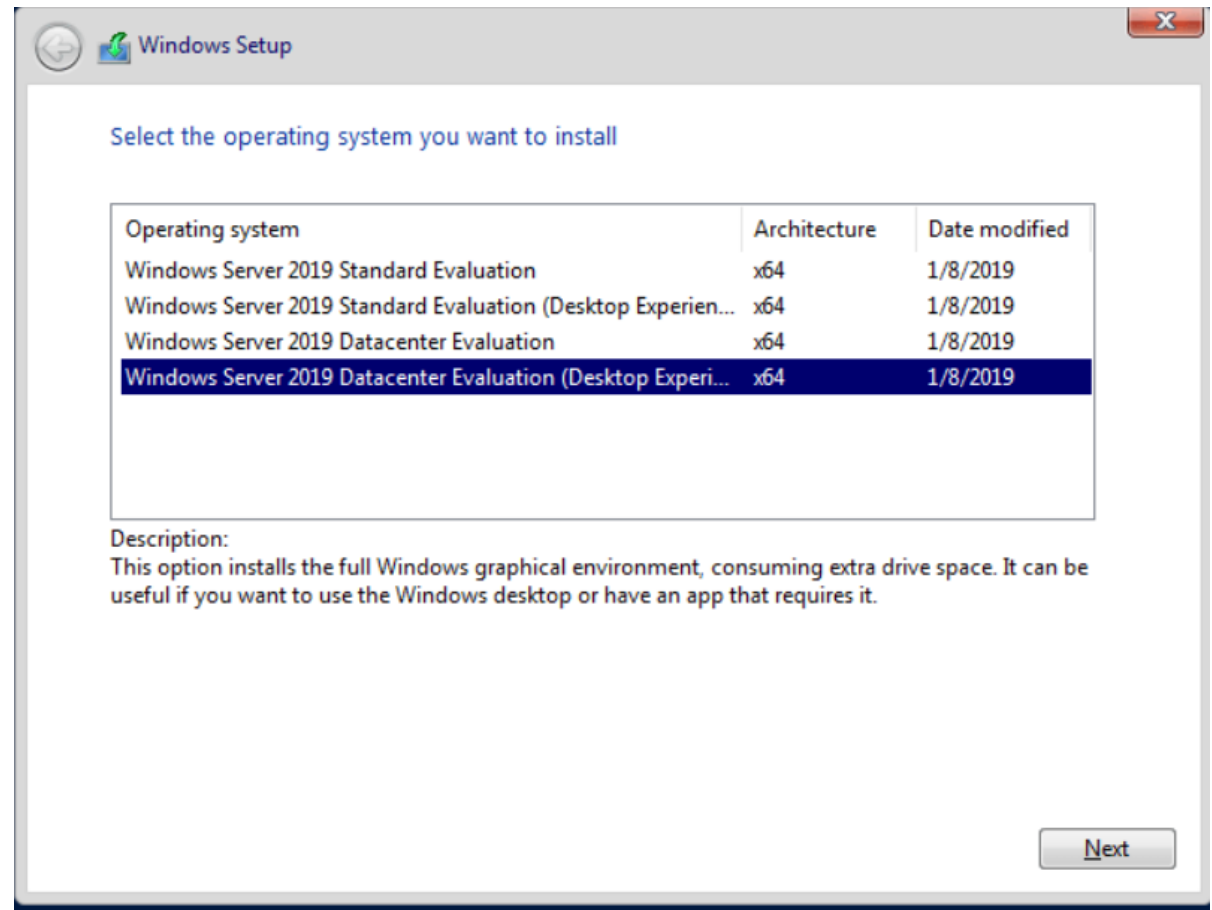
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- 4. Read the License terms and agree to them to start the installation by checking the box "I accept the license terms".
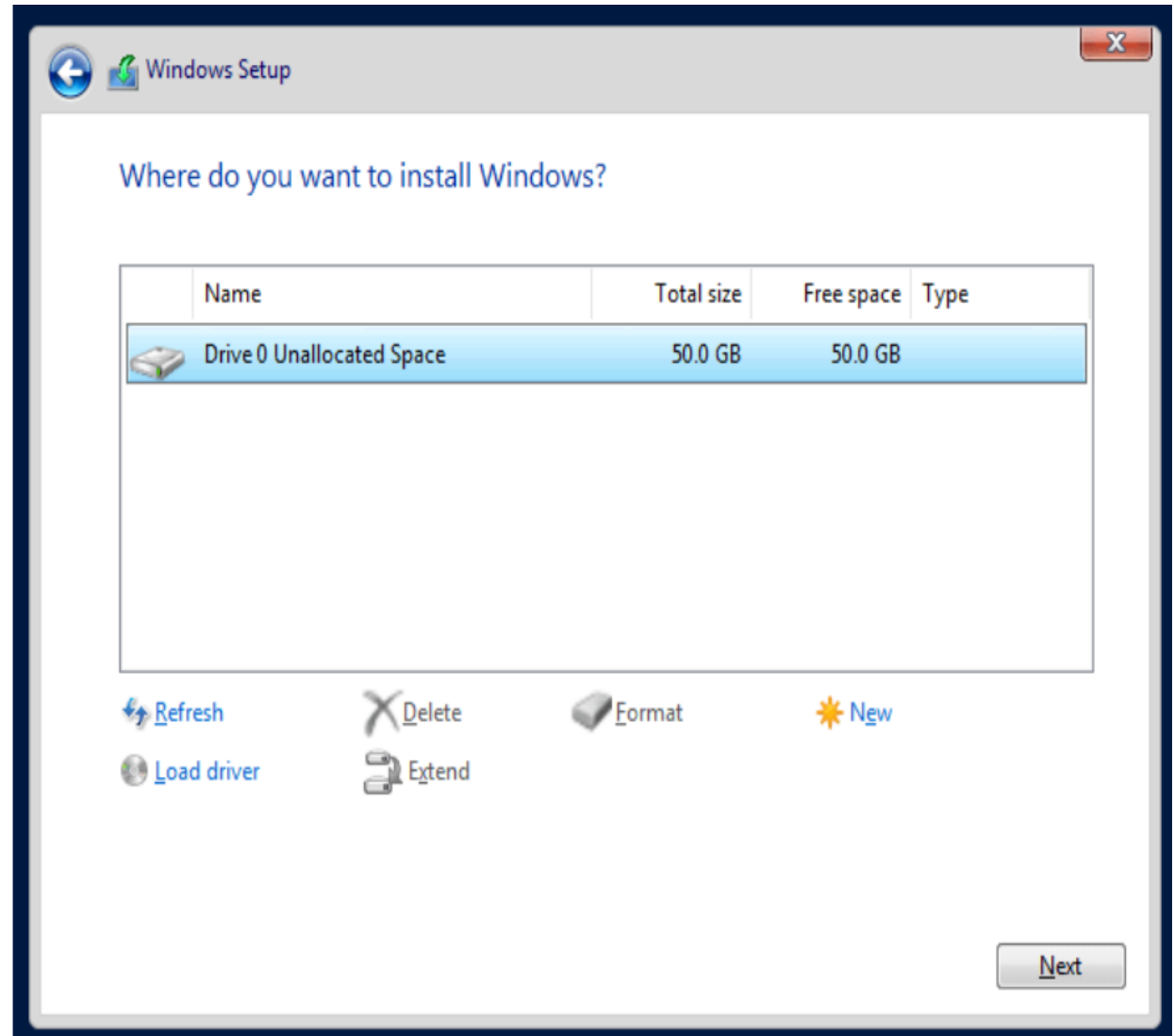
How To Install Windows Server 2019 Step by Step

- 5. if this is the first installation of Windows Server 2019 on the server, select (Custom: Install Windows only).

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- 6. Select a partition to install Windows Server, you can optionally create new one from available or use total available size by clicking "Next".
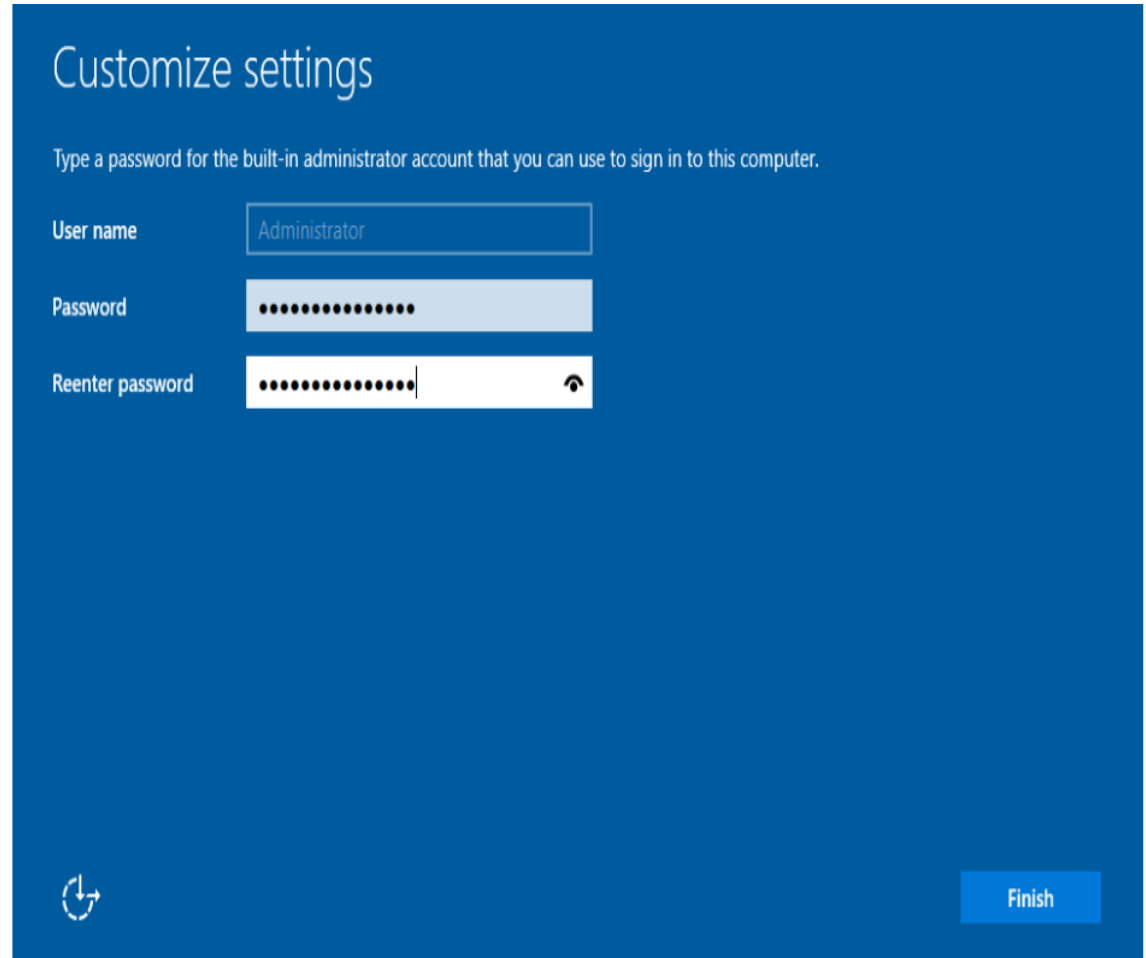
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- 7. The installation should start, wait for it to finish.
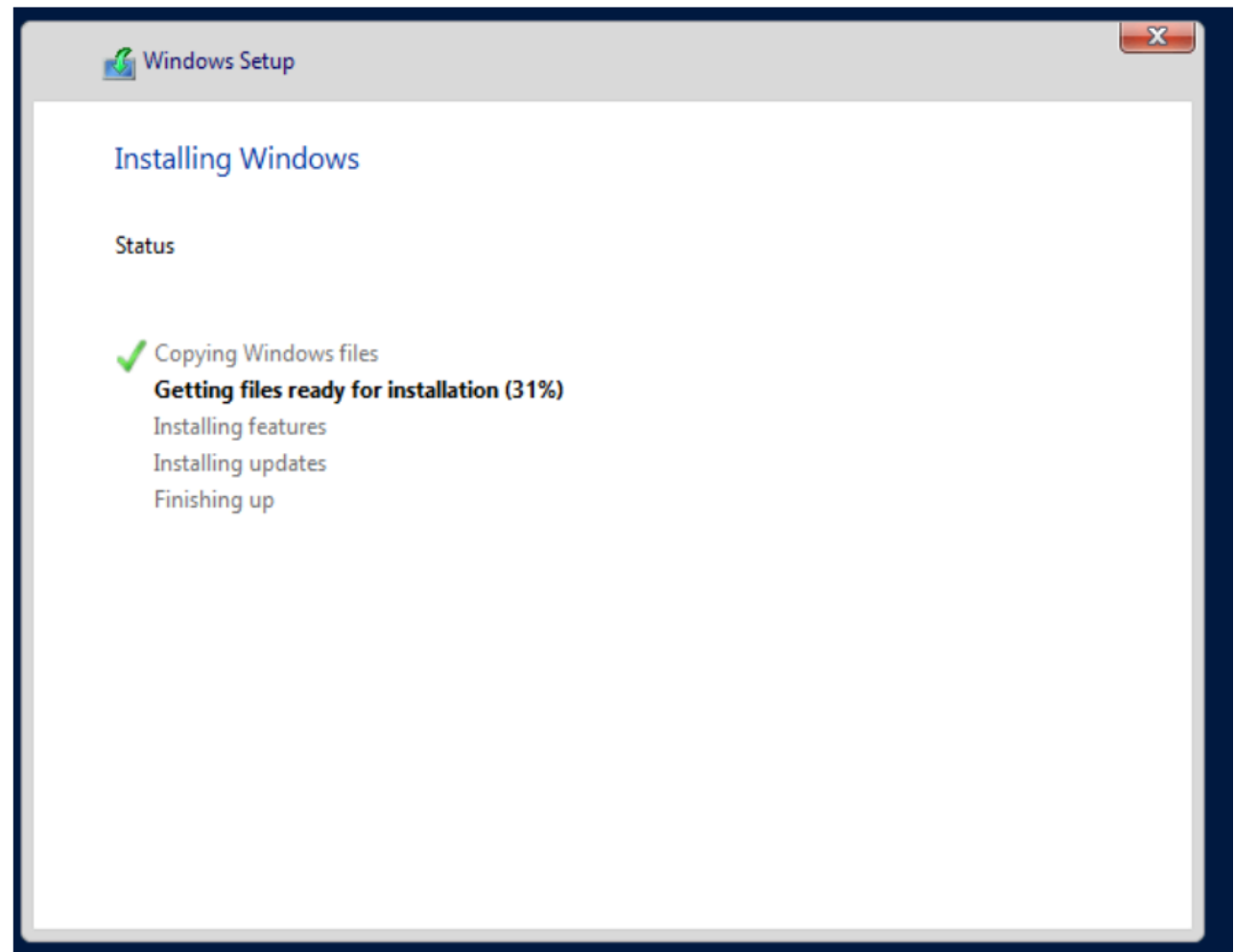
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- 8. The system should automatically reboot after the installation. Set Administrator password when prompted on the next screen.
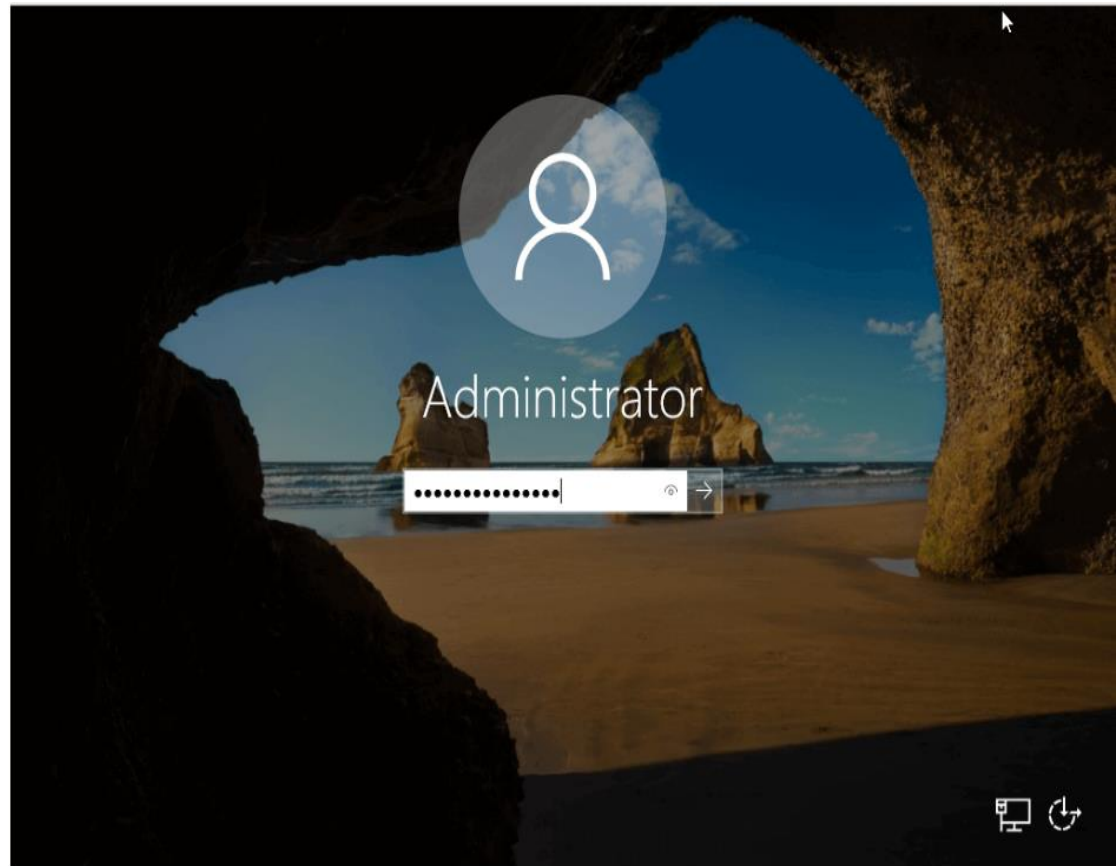
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- 9. Click Finish to complete the installation. To login with the Administrator user, use Ctrl + Alt + Del key combination.
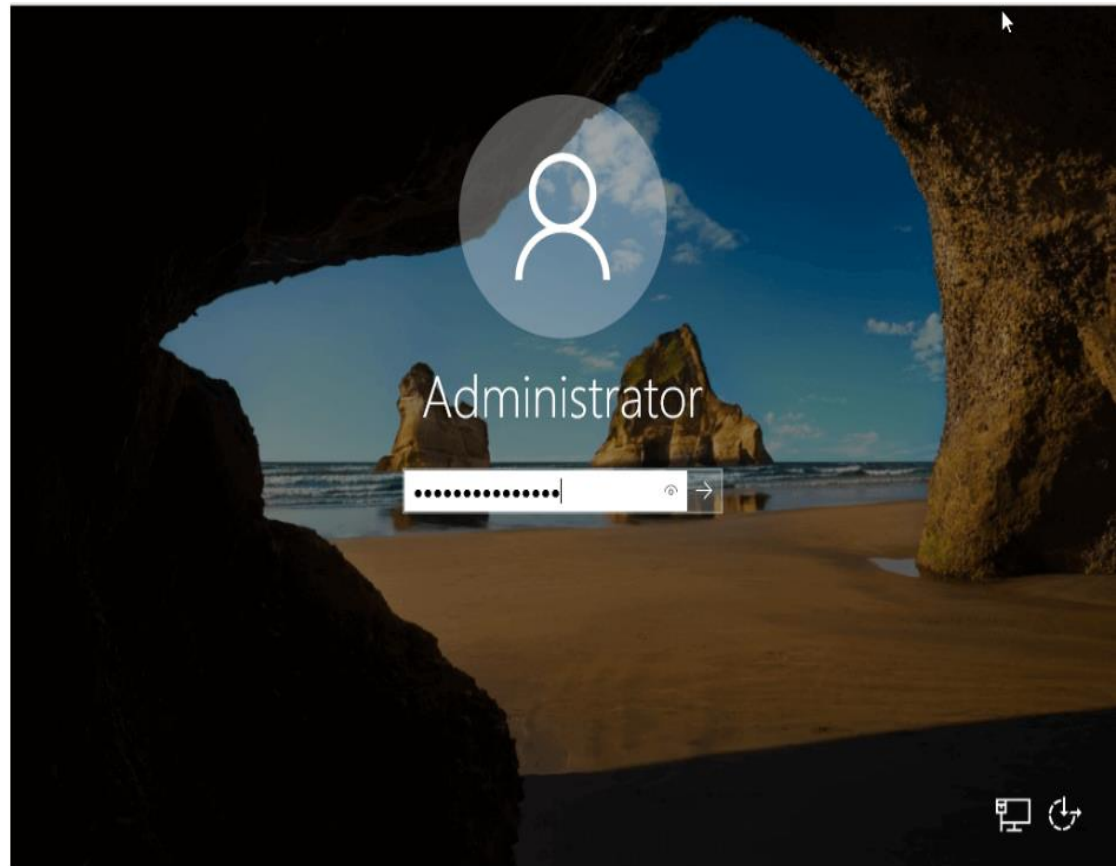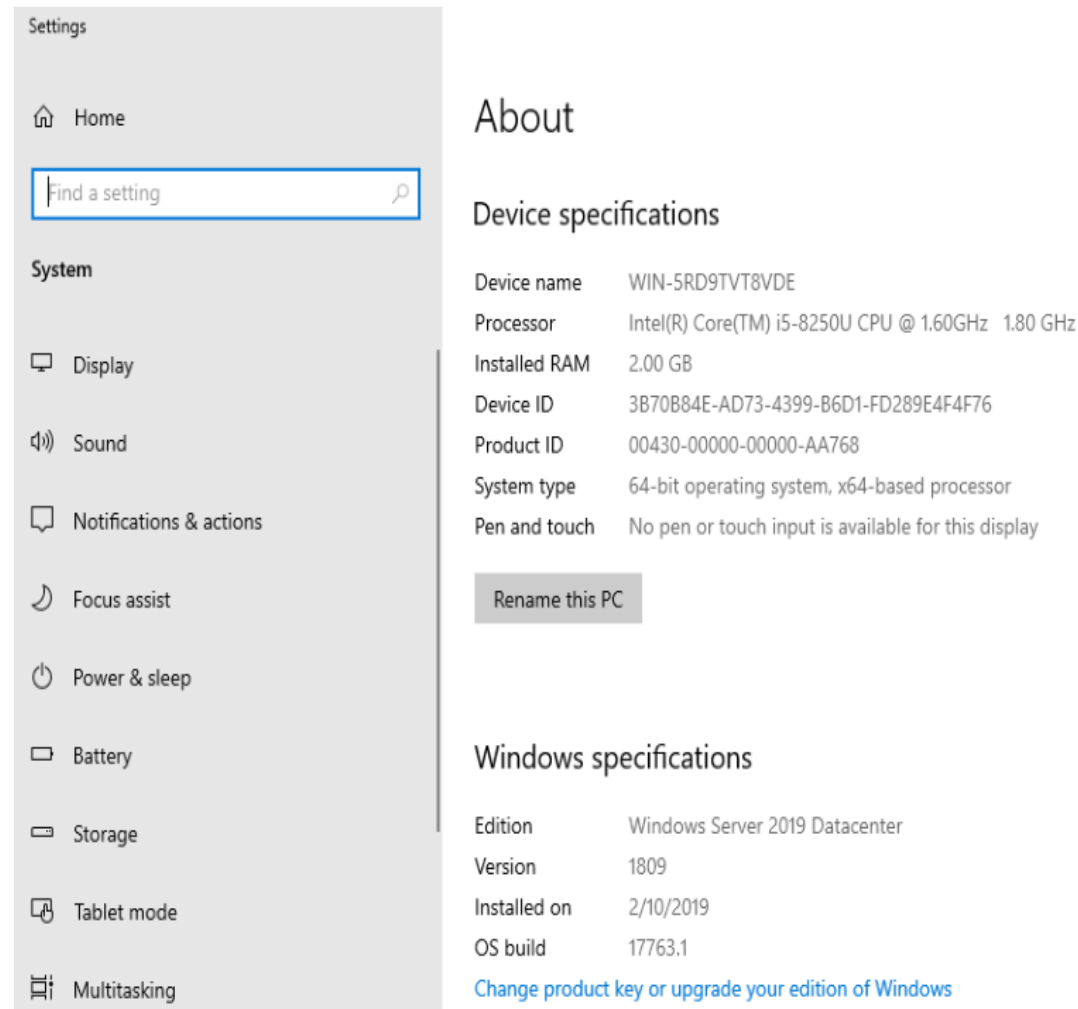
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- 10. Provide your Administrator Password and hit Enter.

How To Install Windows Server 2019 Step by Step

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- You can get Windows Server details on the settings section.

How To Install Windows Server 2019 Step by Step

- Access to Server Manager Local Server section should also give you some details about Windows Server 2019 installation.
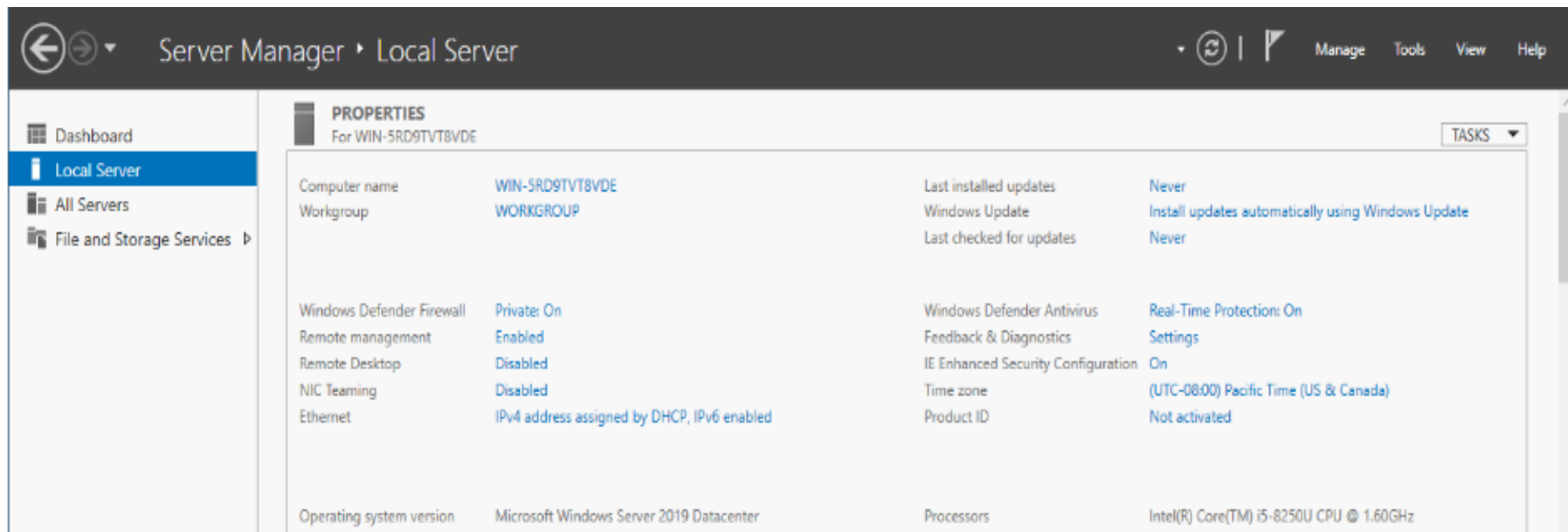
Next is to install Windows terminal

Open Command Prompt at Boot in Windows 10

Press Shift + F10 keys together on the keyboard. This will open the command prompt window:

Open Command Prompt at Boot in Windows 10

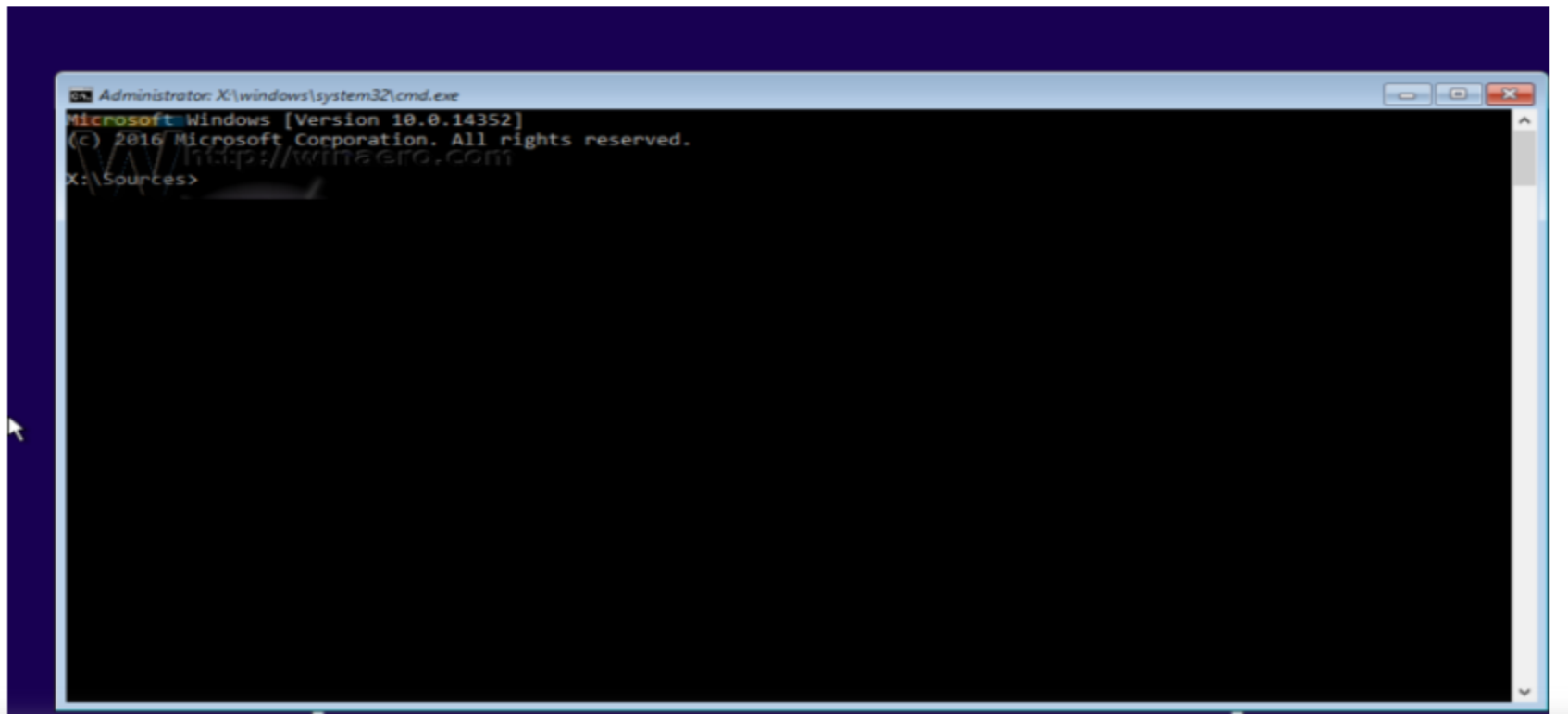Type taskmgr then task manger will open
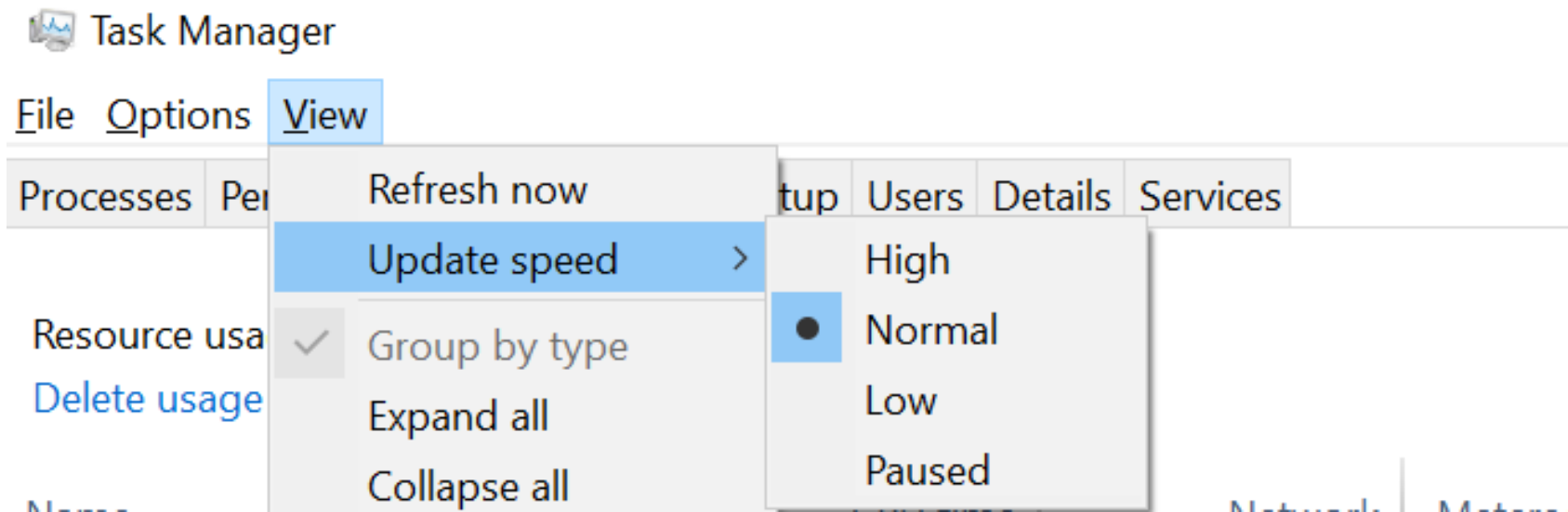
C:\WINDOWS\system32\cmd.exe

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Cherrifer Jane>taskmgr_
```

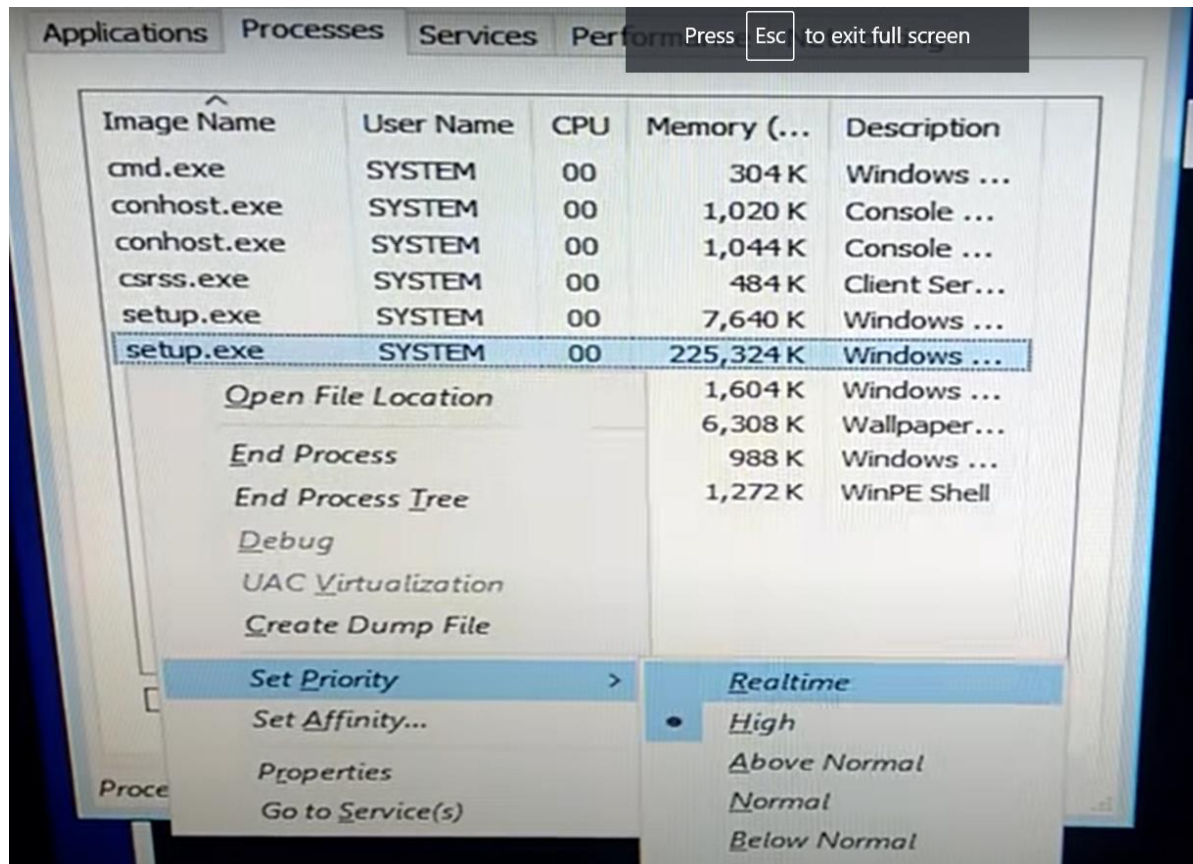# Open Command Prompt at Boot in Windows 10

Task Manager will open > Select View > Update Speed > then click high to boost the windows installation.

Open Command Prompt at Boot in Windows 10

Go to **Processes** > Select **setup.exe** with high memory allocation > Right click > **select set priority** > right click then select **High**

How to create a bootable flashdrive?

What is Configuration Management

- *Configuration management* is a centralized approach to applying one or more changes to one or more users or computers

The key elements of configuration management are:

- Setting

- Scope

- Application

The overview of group policies

- The most basic component of Group Policy is known as a *policy*, which defines a specific configuration change

- A policy setting can have three states:
  - Not Configured
  - Enabled
  - Disabled

- Many policy settings are complex, and the effect of enabling or disabling them might not be obvious

What is Group Policy?

- A Group Policy Object (GPO) is a virtual collection of policy settings. A GPO has a unique name, such as a GUID.

- Group Policy settings are contained in a GPO. A GPO can represent policy settings in the file system and in the Active Directory. GPO settings are evaluated by clients using the hierarchical nature of Active Directory.

Benefits of group policy

- Group Policies are very powerful administrative tools

- You can use them to enforce various types of settings to a large number of users and computers

- Typically, you use GPOs to:

  - Apply security settings

  - Manage desktop application settings

  - Deploy application software

  - Manage Folder Redirection

  - Configure network settings

Demonstration: How to create GPO and configure GPO Settings

Creating & Configure GPO in Windows Server 2012 R2

1 – As usual on the domain server, create a new GPO, in my case my new GPO will be **Comsys Infra Standard...**
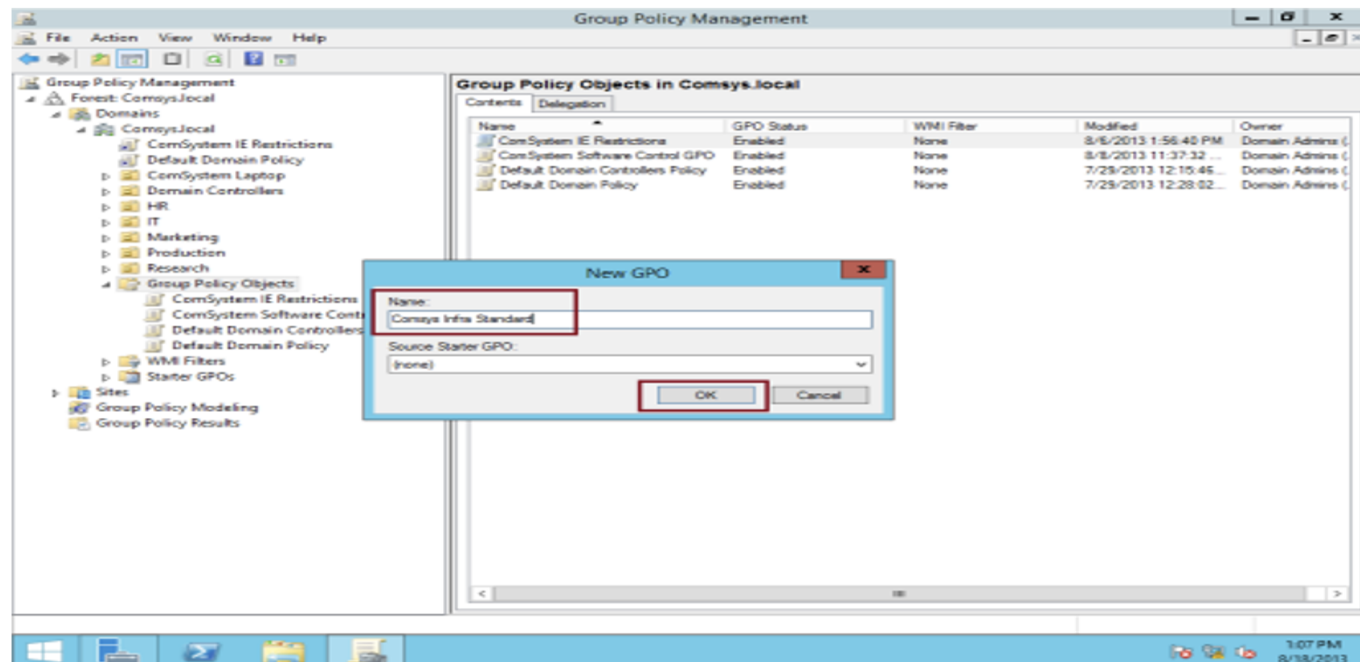
Any Questions …..

THANK YOU ☺

sir Gelil

The End