

How to install Hyper-V on Windows Server 2019

Hyper-V is a Microsoft product used for hardware virtualization. In today's article, let's explore how to install Hyper-V on Windows Server 2019 with TipsMake.com!

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Installing Hyper-V on Windows Server 2019

System requirements:

1. 64-bit computers and CPUs with Intel XD bit (Execute Disable bit) or AMD NX bit (No-Execute bit) functionality.
2. Enable the Intel XD bit or AMD NX bit feature in the BIOS settings .

In the CUI settings, configure the following.

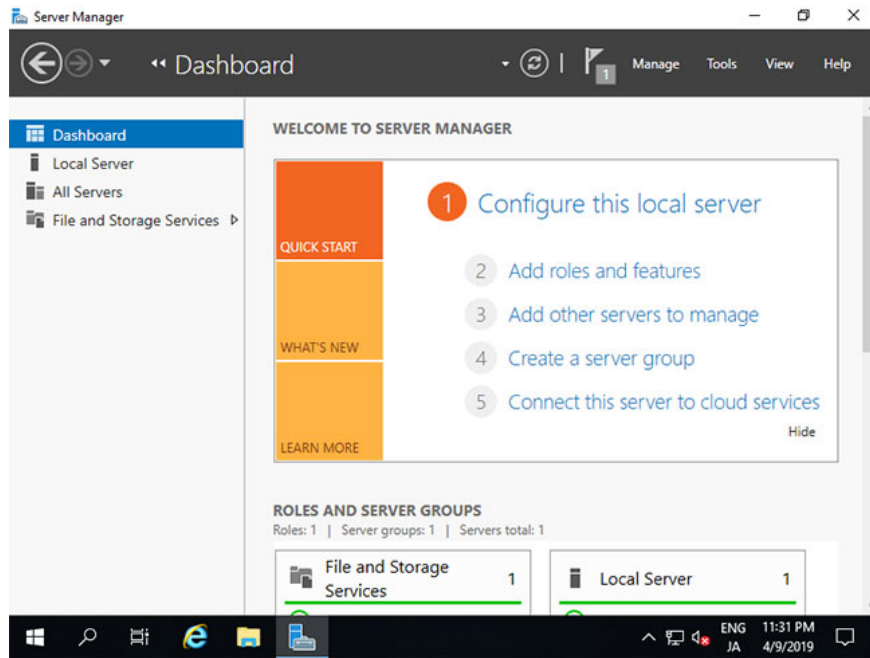
1. Run PowerShell with administrator privileges and install Hyper-V.

```
Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. # i
```

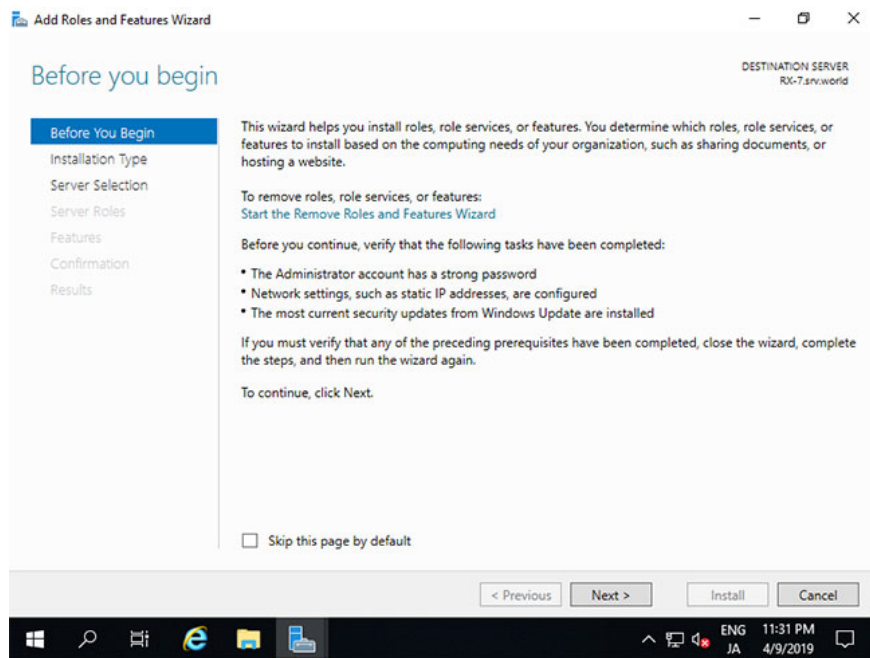
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?  
Hyper-V . WARNING: You must restart this server to finish the installation proced
```

In the GUI settings, configure it as follows.

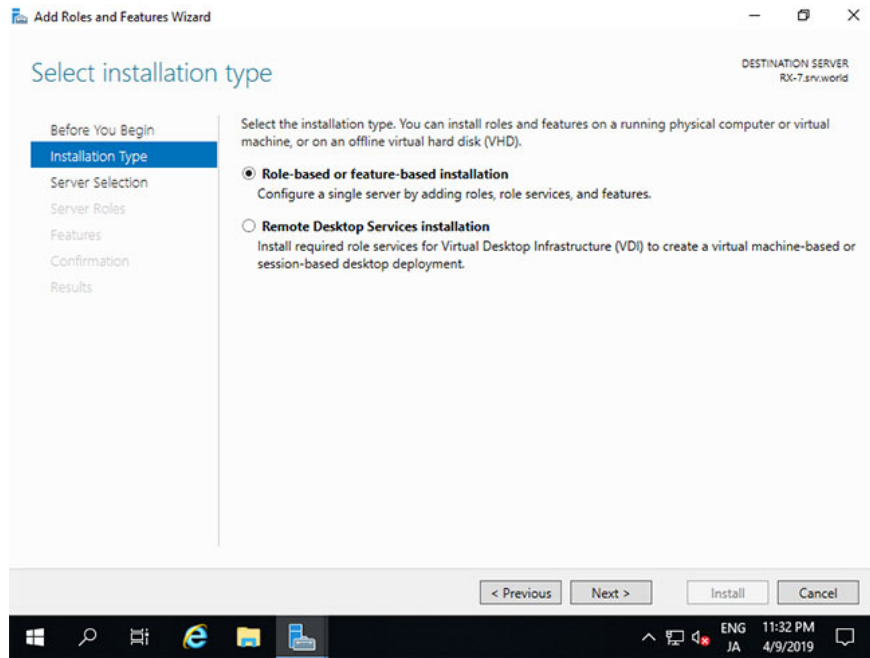
2. Run **Server Manager** and click **Add roles and features** .



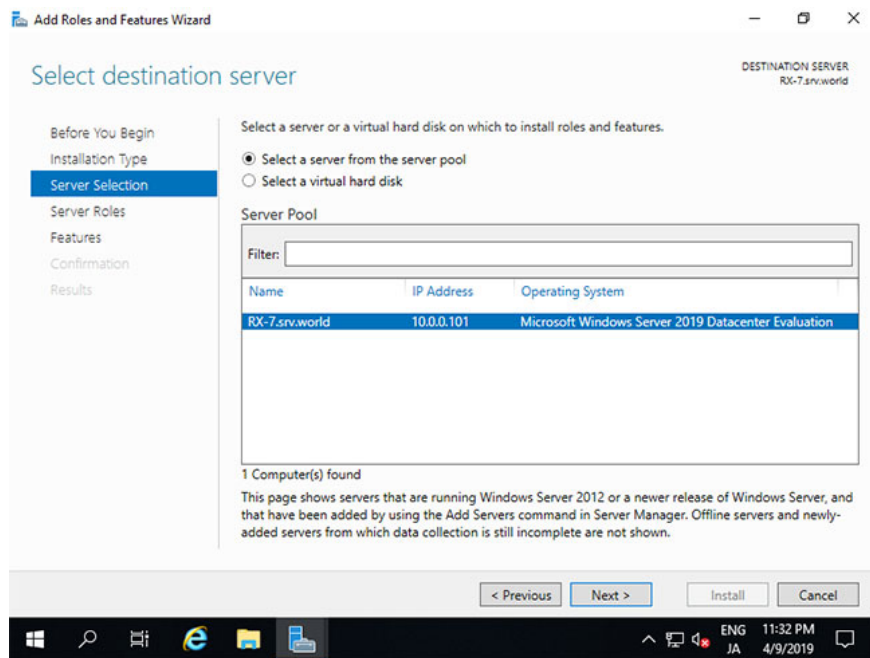
3. Click **Next**.



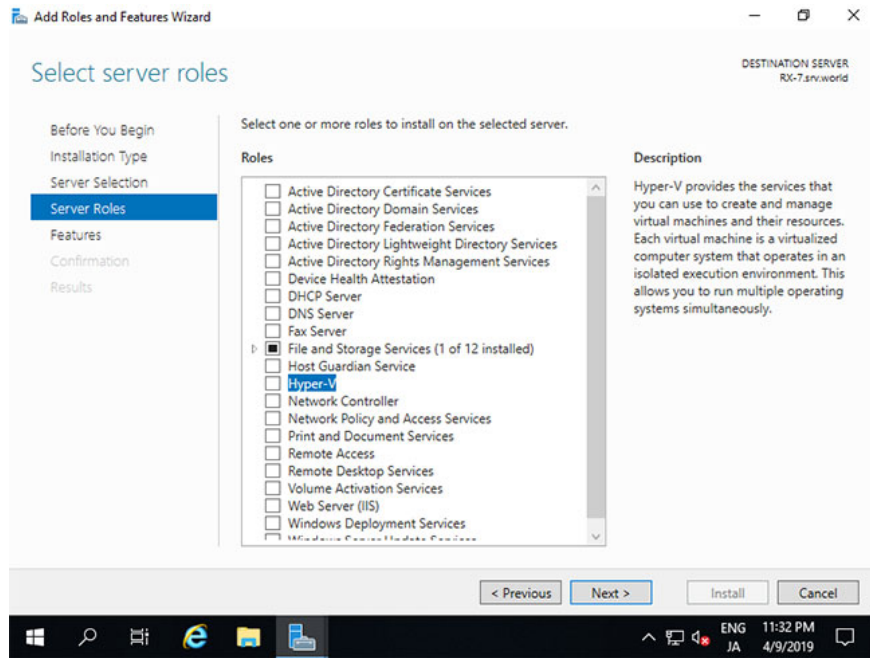
4. Select **Role-based or feature-based installation** .



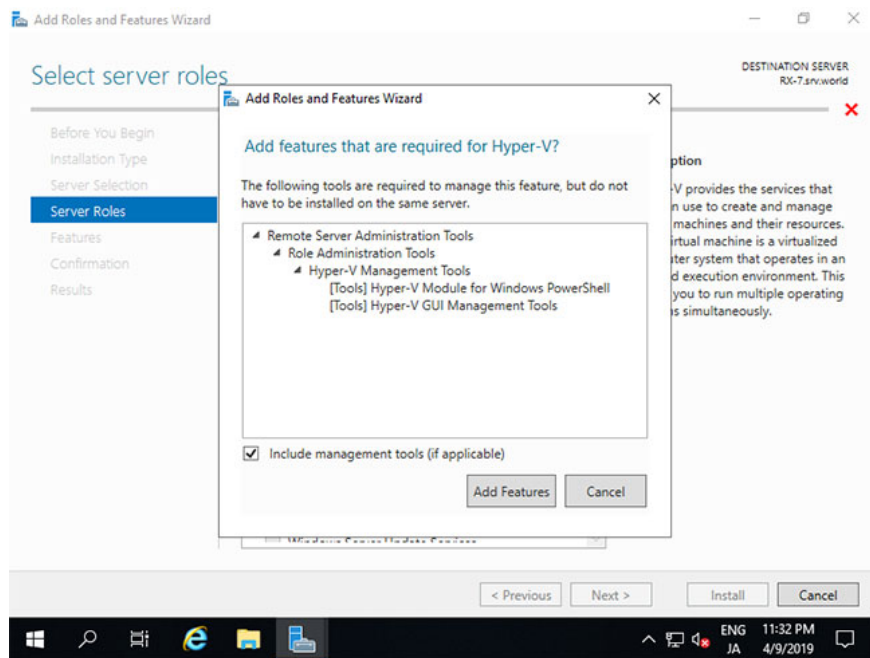
5. Select the host you want to add the services to.



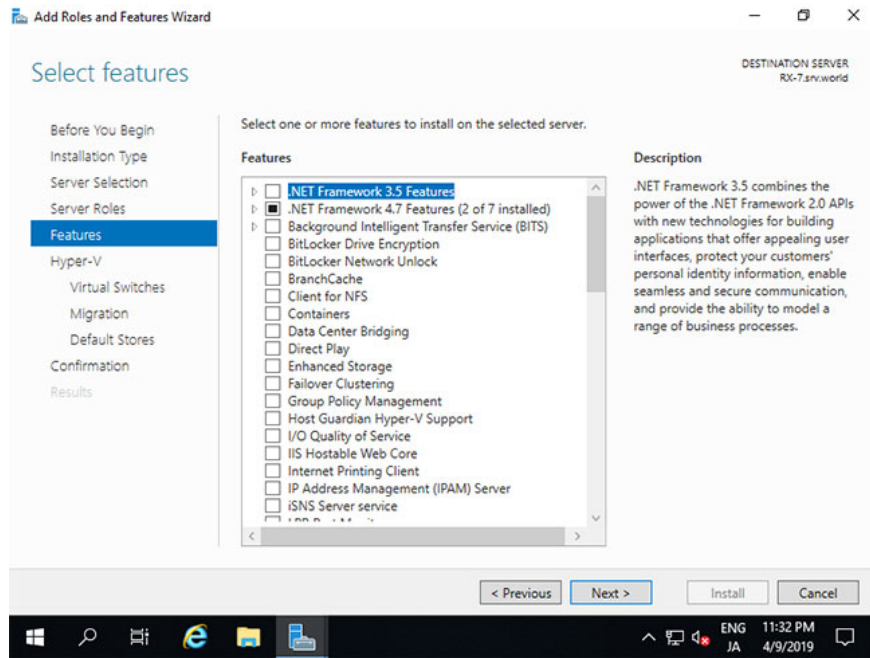
6. Check the **Hyper-V** box .



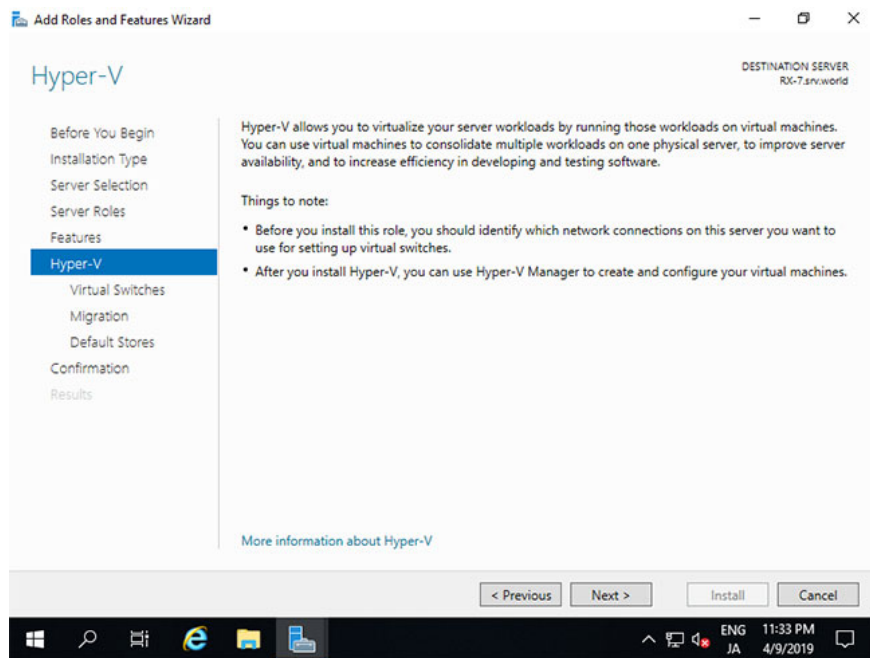
7. Additional features are required to add Hyper-V. Click the **Add Features** button and proceed to **Next** .



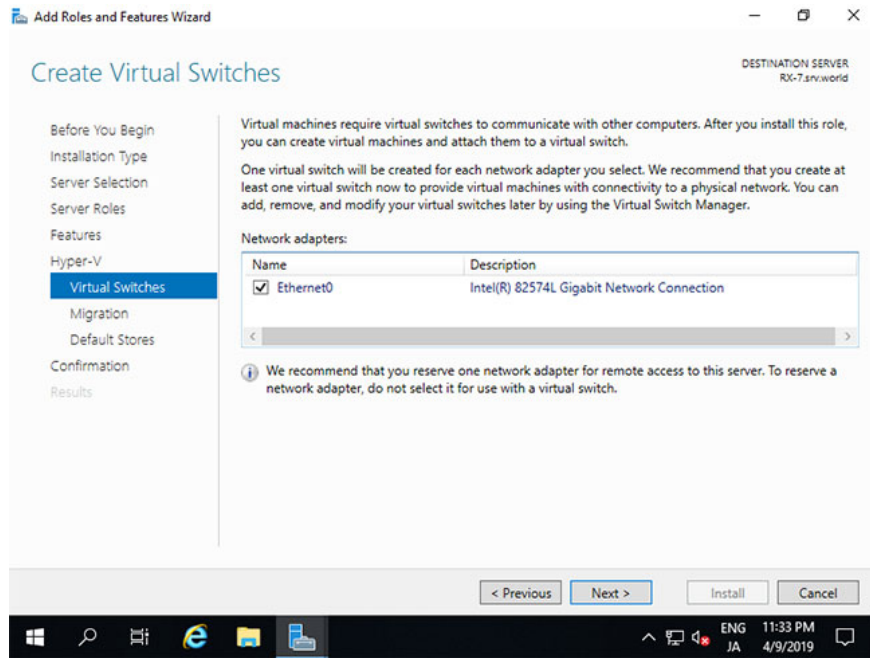
8. Click the **Next** button .



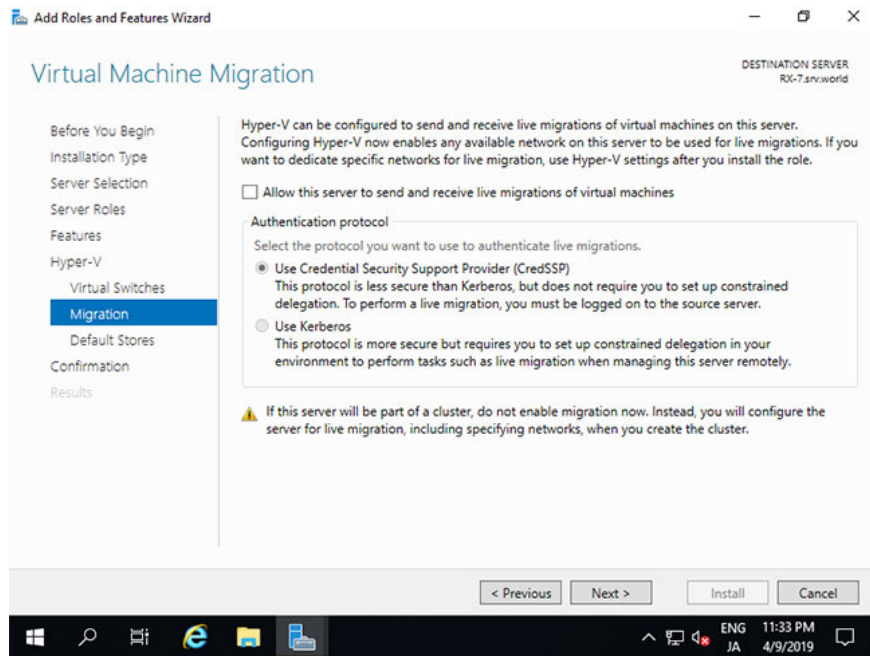
9. Click the **Next** button .



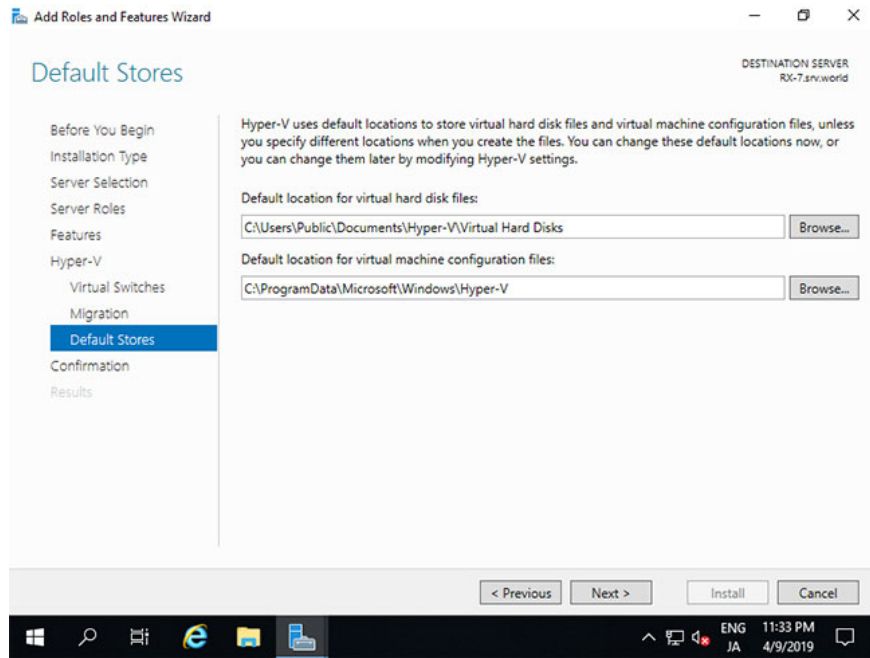
10. This section is for creating **Virtual Switches**. Choose a network adapter for it.



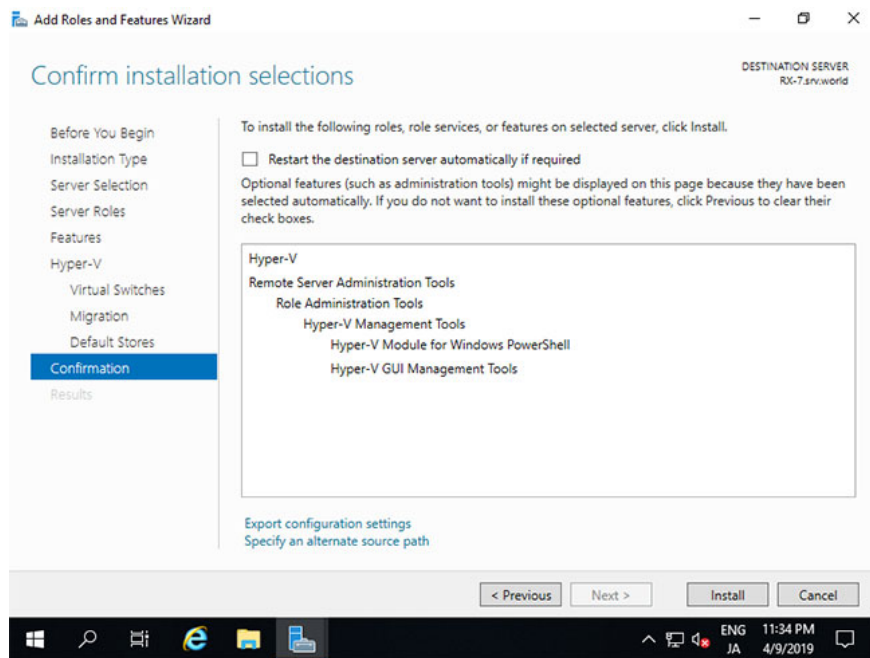
11. This is the **Virtual Machines Migration** section . In this example, keep the default options and continue by clicking **Next**.



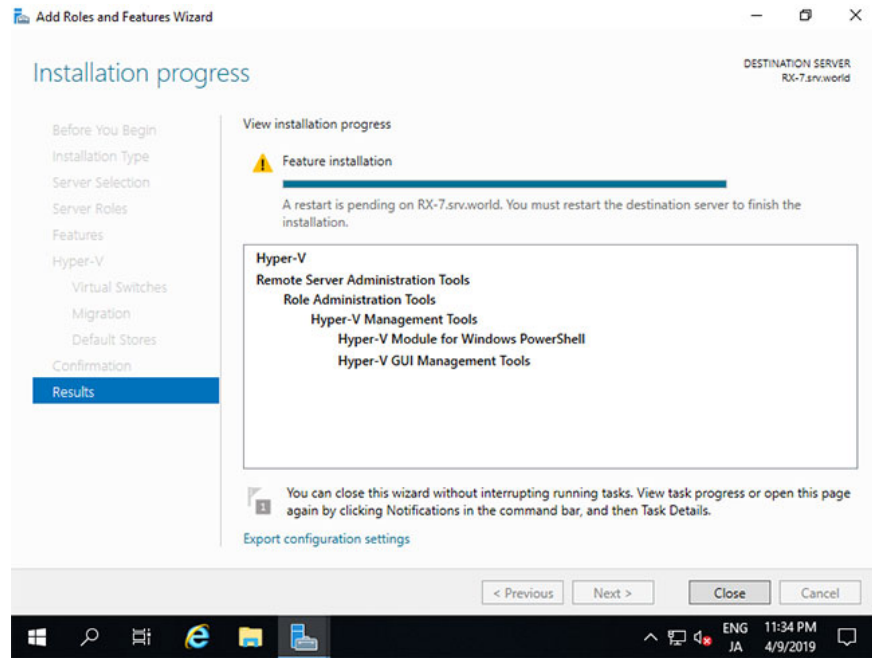
12. This section specifies the configuration location of the virtual machine. In this example, keep the default option and continue by clicking **Next** .



13. Click the **Install** button to begin the installation.



14. After the installation process is complete, click the **Close** button and restart your computer .



1. How to install iSCSI Target on Windows Server 2019

Create a virtual machine

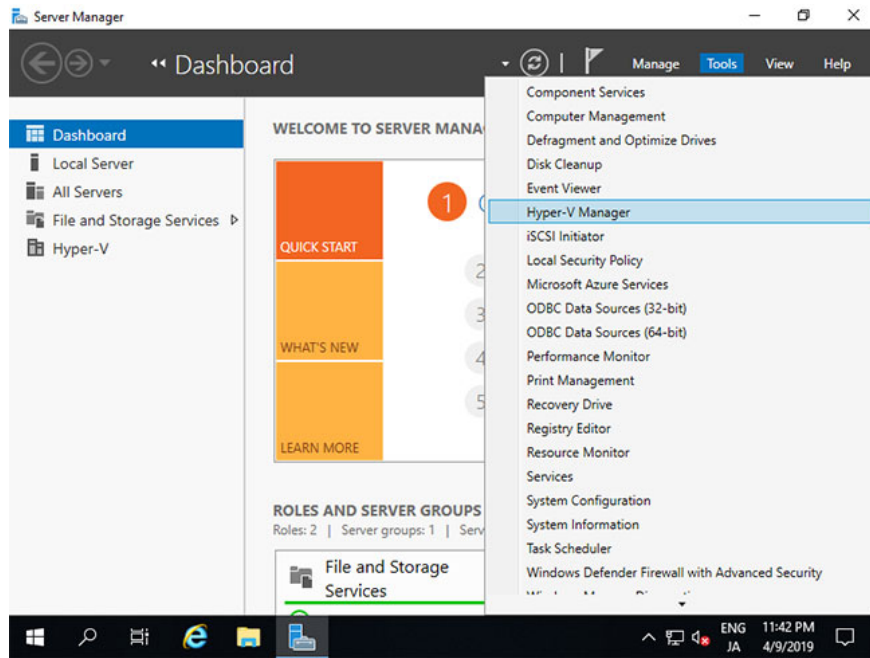
In the CUI configuration, set it up as follows:

1. Run PowerShell with administrator privileges and configure:

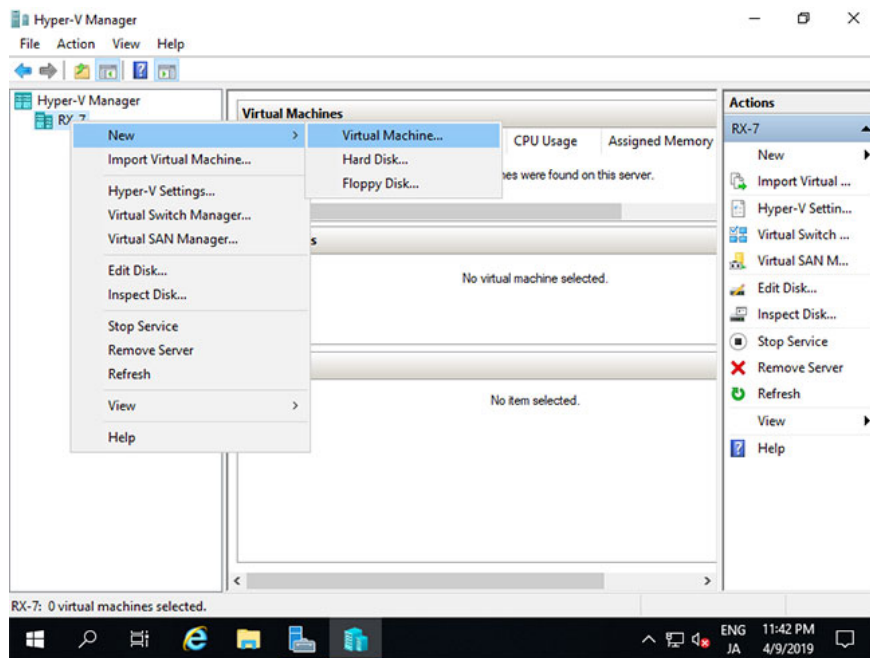
```
Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. # c
```

In the GUI configuration, set it up as follows.

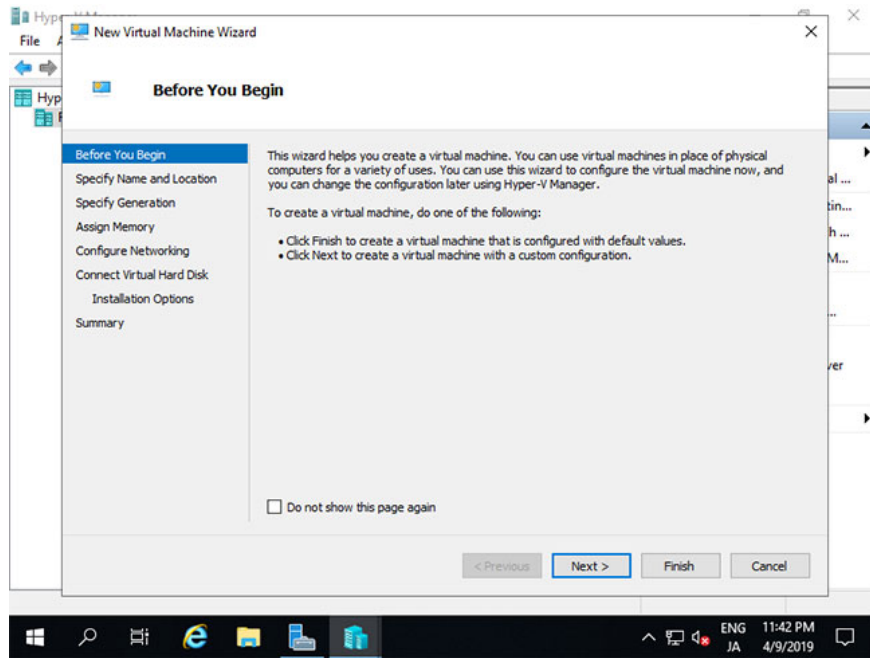
2. Run **Server Manager** and open **Tools > Hyper-V Manager** .



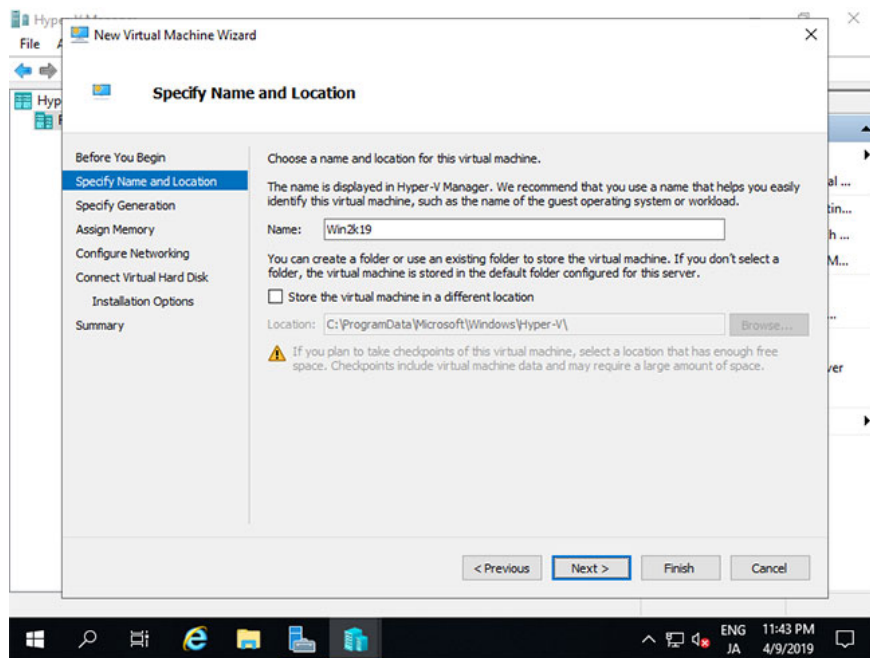
3. Select Hostname on the left and right-click on it to open the menu, then select **New > Virtual Machine** .



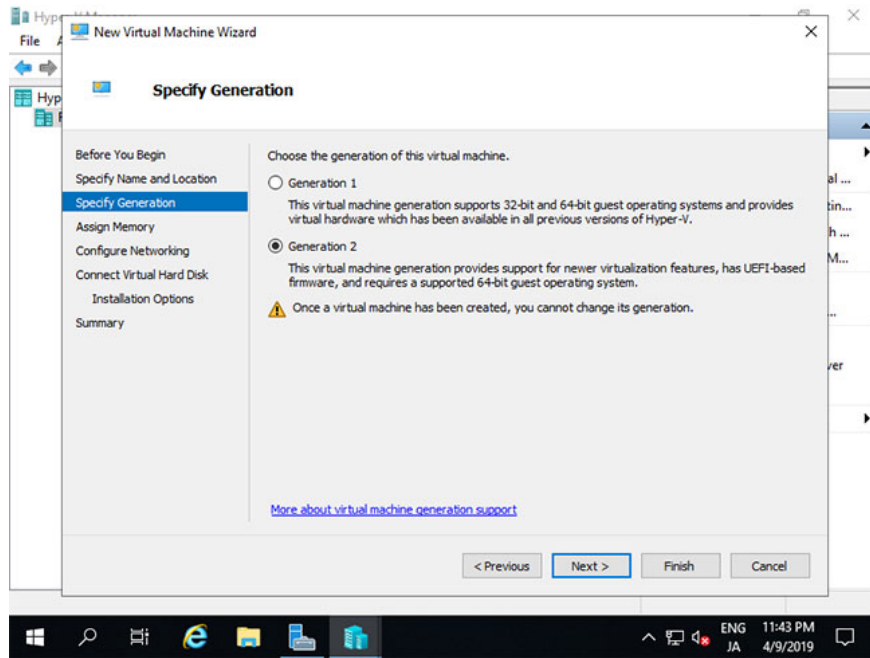
4. Click the **Next** button .



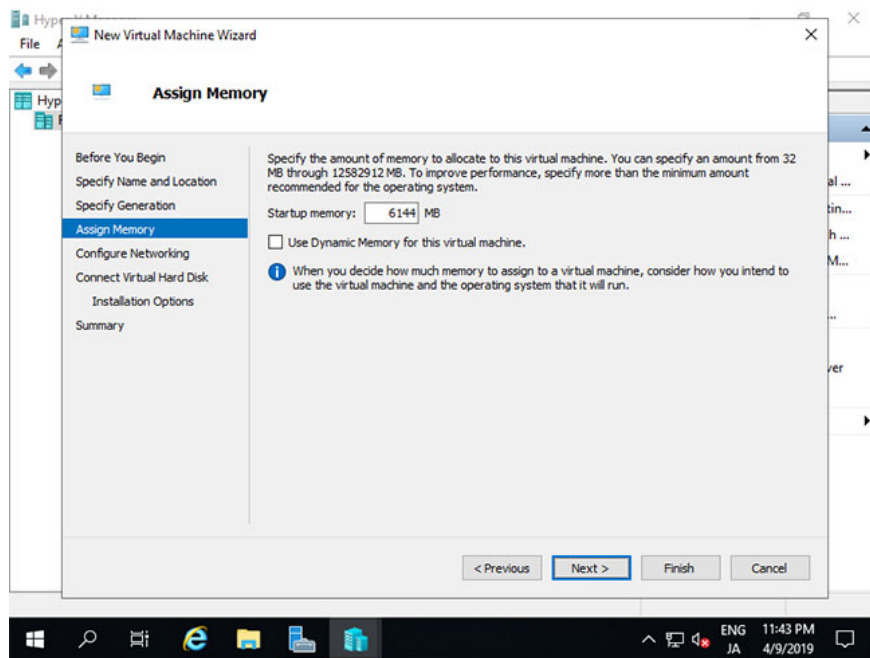
5. Enter a name for the virtual machine. Any name will do.



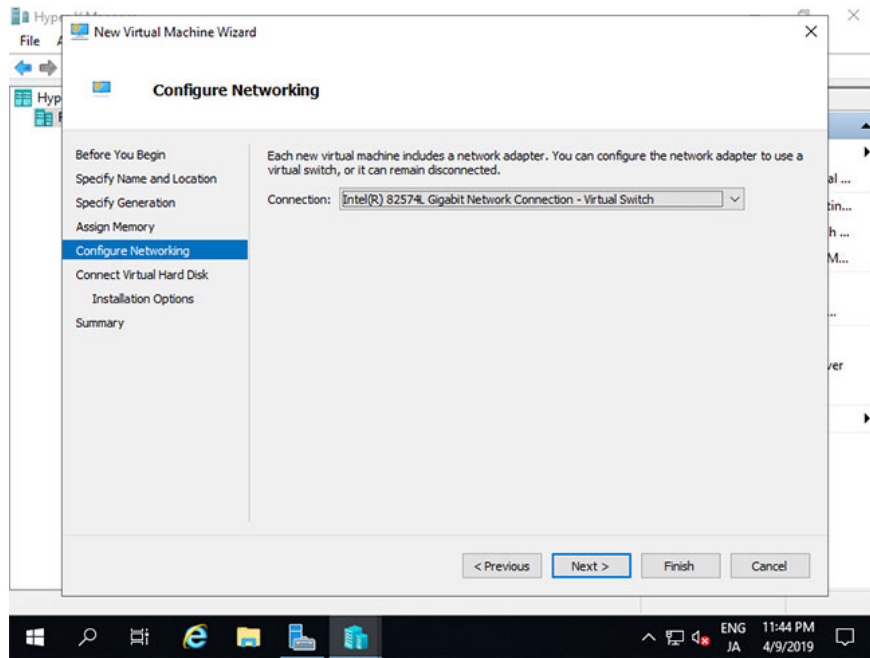
6. Specify the virtual machine generation. In this example, select **Generation 2**.



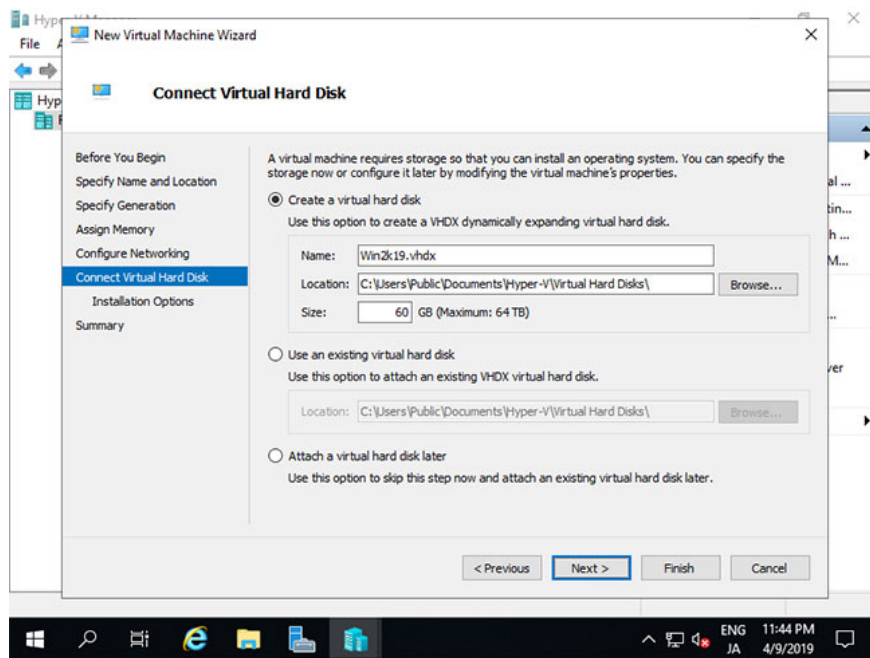
7. Allocate memory for the virtual machine.



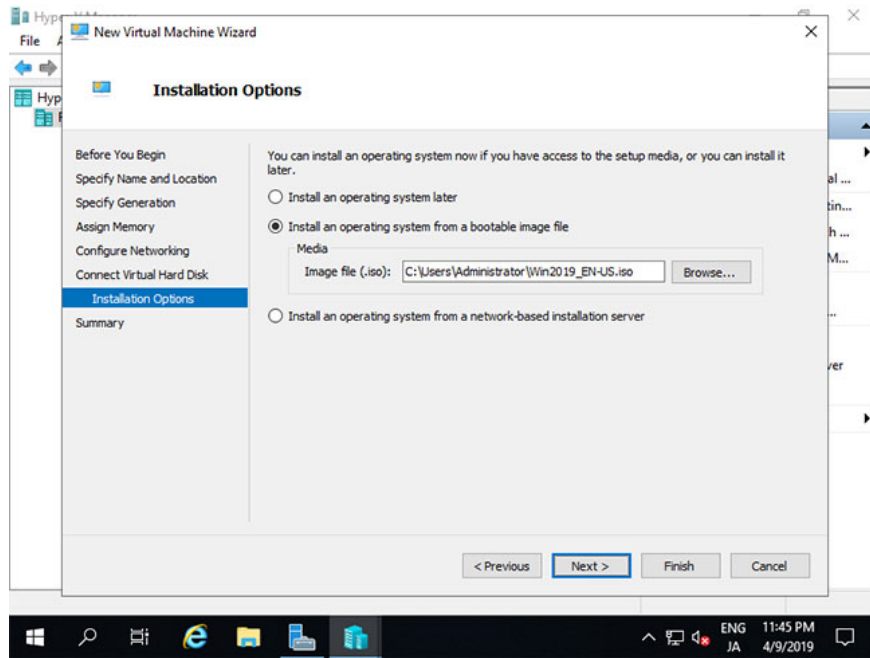
8. Select Virtual Switch to use the virtual machine's network connection.



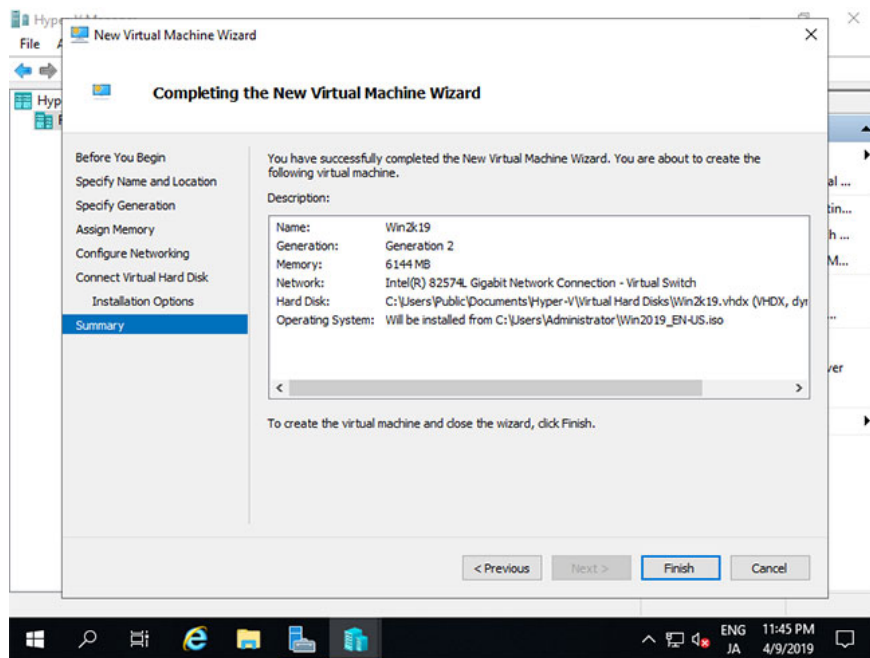
9. Configure the virtual hard drive. Set the parameters to your liking.



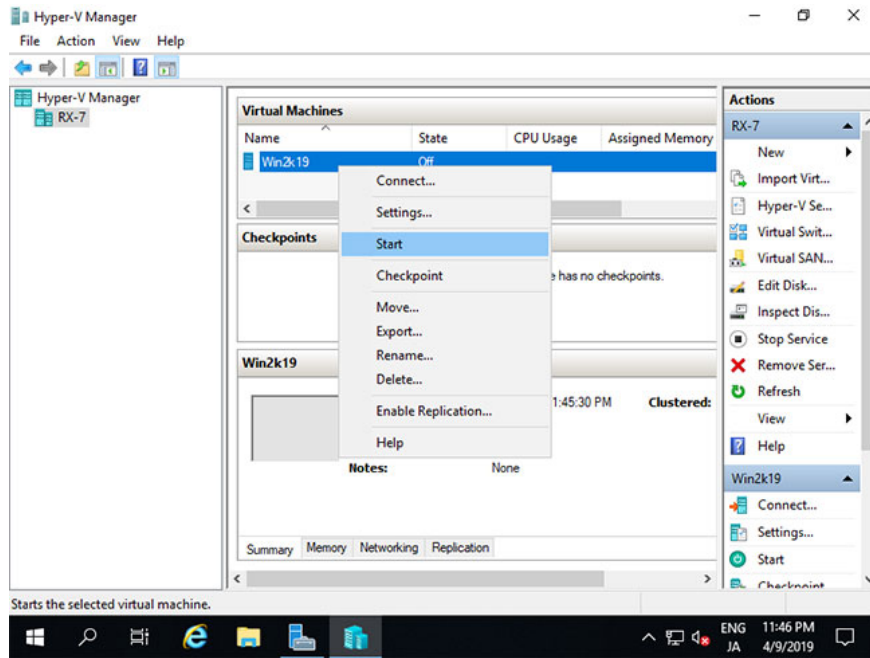
10. Choose the GuestOS installation source.



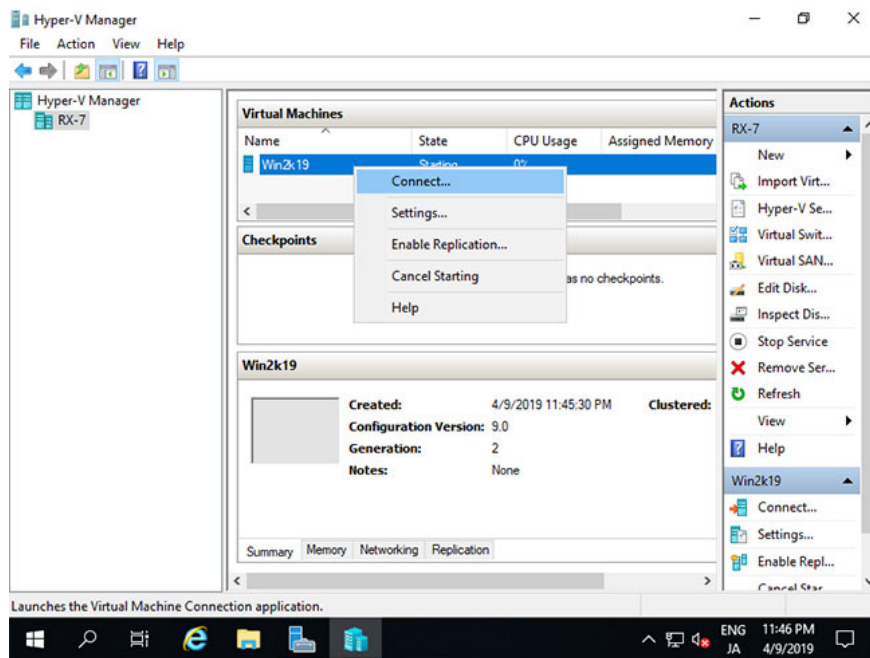
11. Click the **Finish** button if everything is OK.



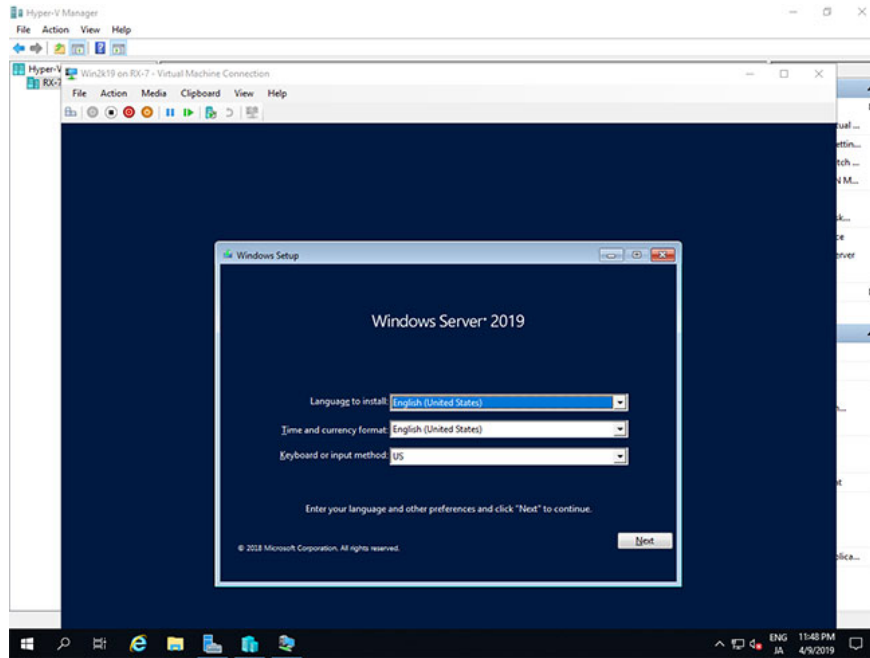
12. The virtual machine has just been created. To start it, right-click on it and select **Start**.



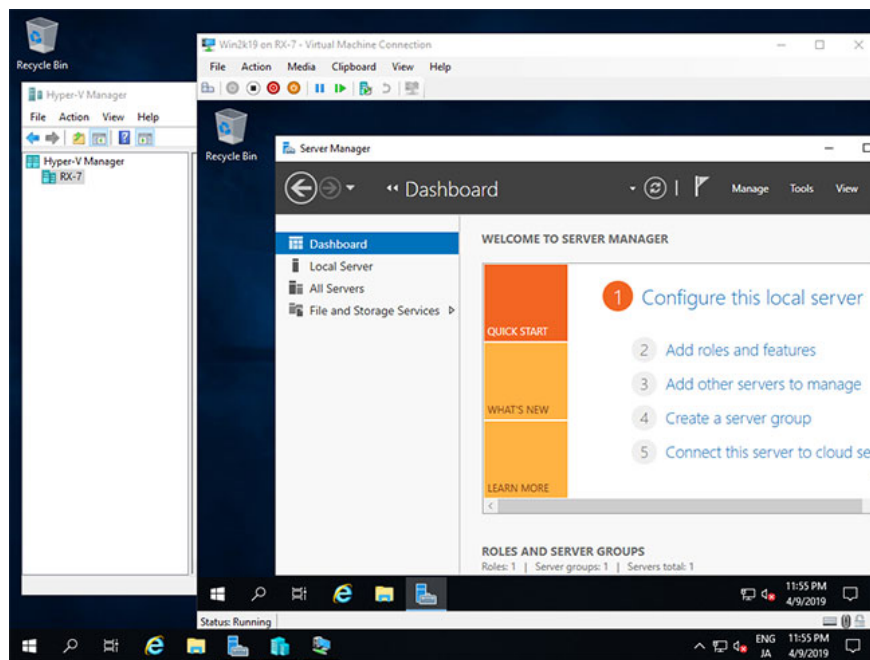
13. To connect to the virtual machine's control panel, right-click on it and select **Connect**.



14. Install GuestOS following the standard procedure.



15. The installation process is complete and the Windows Server virtual machine is now running.



Good luck!

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