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**Quickstart: Create a Windows virtual machine in the Azure portal**

Azure virtual machines (VMs) can be created through the Azure portal. This method provides a browser-based user interface to create VMs and their associated resources. This quickstart shows you how to use the Azure portal to deploy a virtual machine (VM) in Azure that runs Windows Server 2019. To see your VM in action, you then RDP to the VM and install the IIS web server.

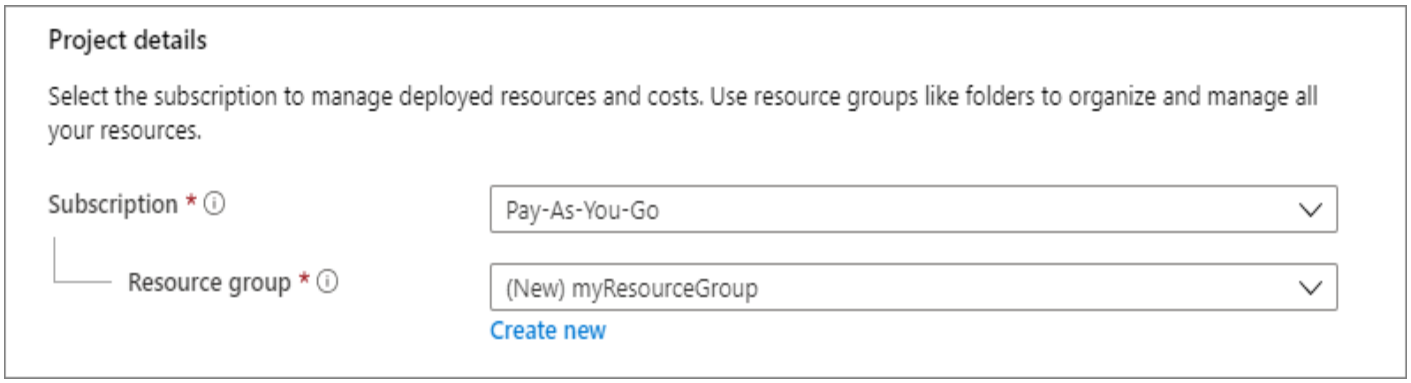
If you don't have an Azure subscription, create a free account before you begin.

**Sign in to Azure**

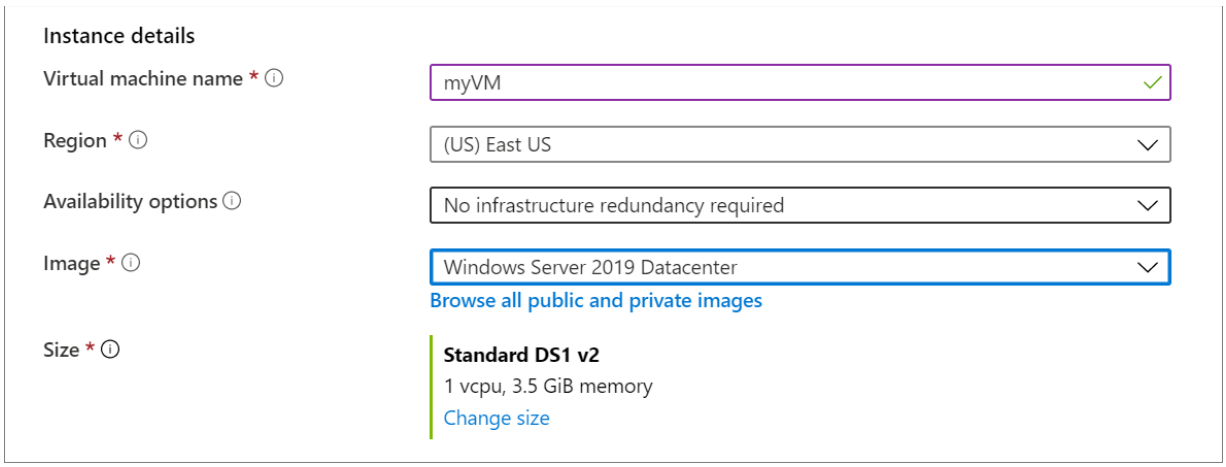
Sign in to the Azure portal at https://portal.azure.com.

**Create virtual machine**

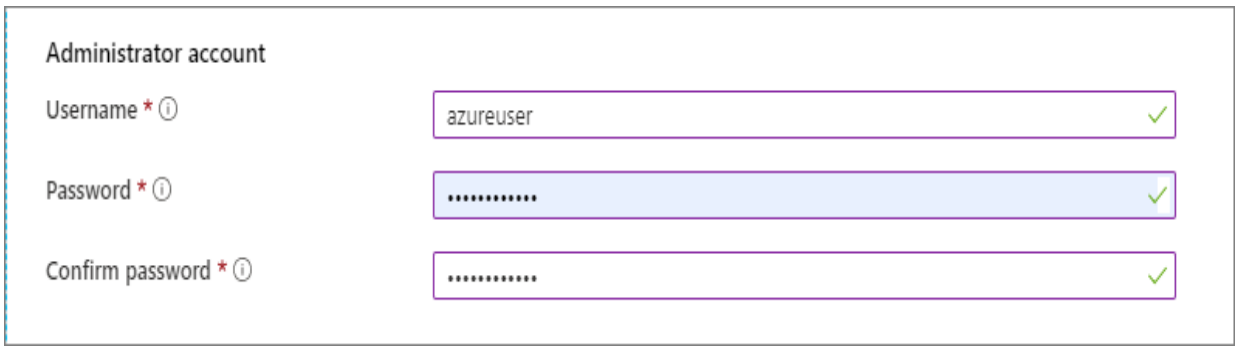
1. Type **virtual machines** in the search.
2. Under **Services**, select **Virtual machines**.
3. In the **Virtual machines** page, select **Add**.
4. In the **Basics** tab, under **Project details**, make sure the correct subscription is selected and then choose to **Create new** resource group. Type *myResourceGroup* for the name.



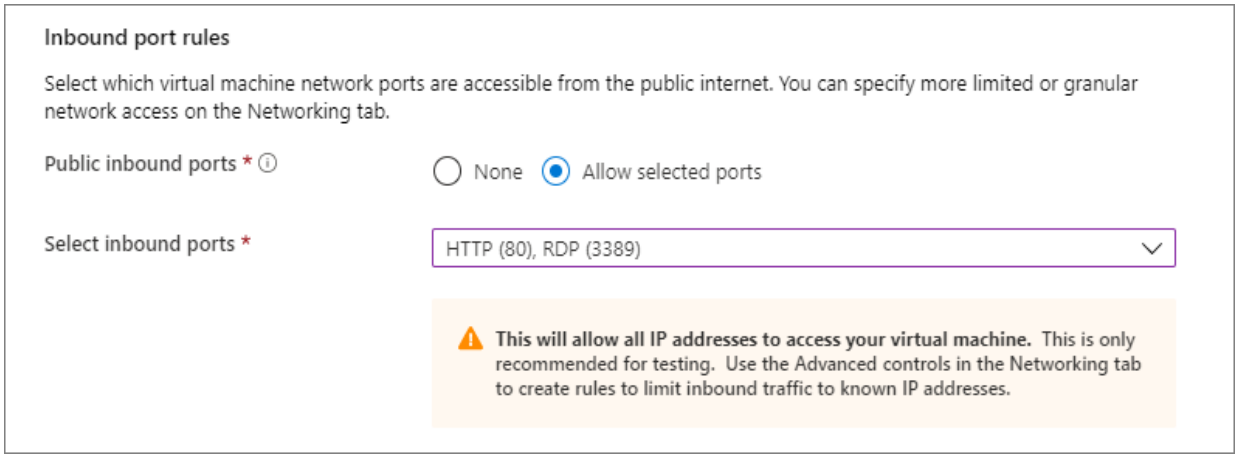

5. Under **Instance details**, type *myVM* for the **Virtual machine name** and choose *East US* for your **Region**, and then choose *Windows Server 2019 Datacenter* for the **Image**. Leave the other defaults.



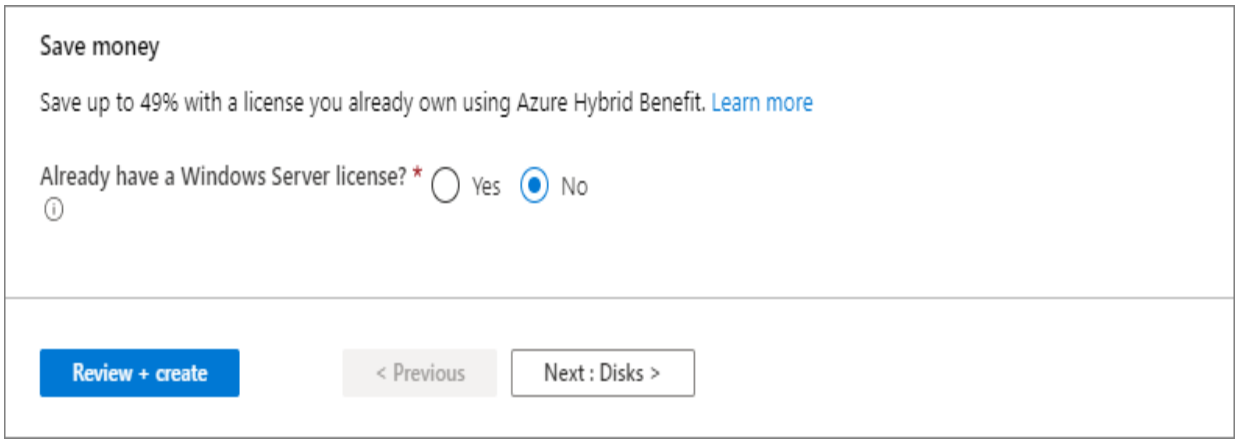
6. Under **Administrator account**, provide a username, such as *azureuser* and a password. The password must be at least 12 characters long and meet the [defined complexity requirements].




7. Under **Inbound port rules**, choose **Allow selected ports** and then select **RDP (3389)** and **HTTP (80)** from the drop-down.




8. Leave the remaining defaults and then select the **Review + create** button at the bottom of the page.




9. Click Next. In the screen as shown below, select **Create and attach a new disk**

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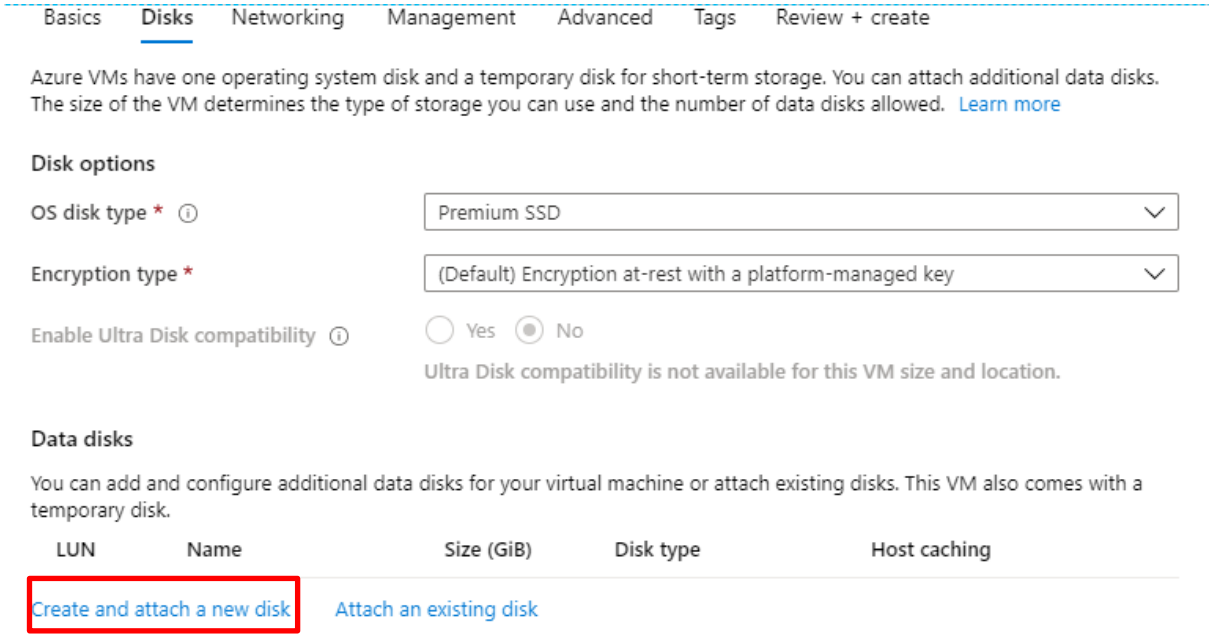
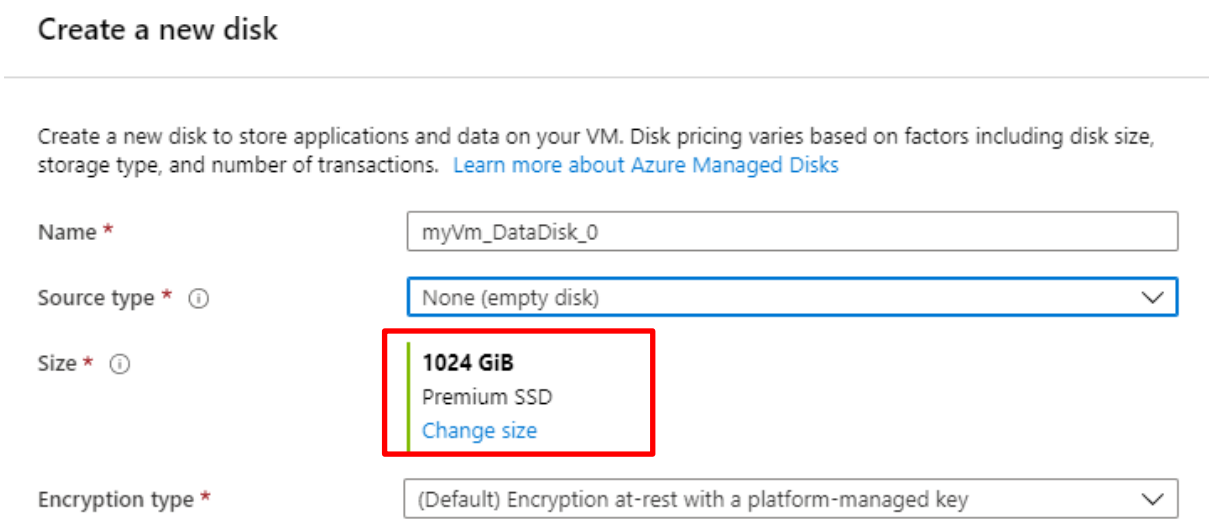



10. In the next screen, as shown below, click on the Change Size link.




11. Choose the highlighted option for size, as shown below.

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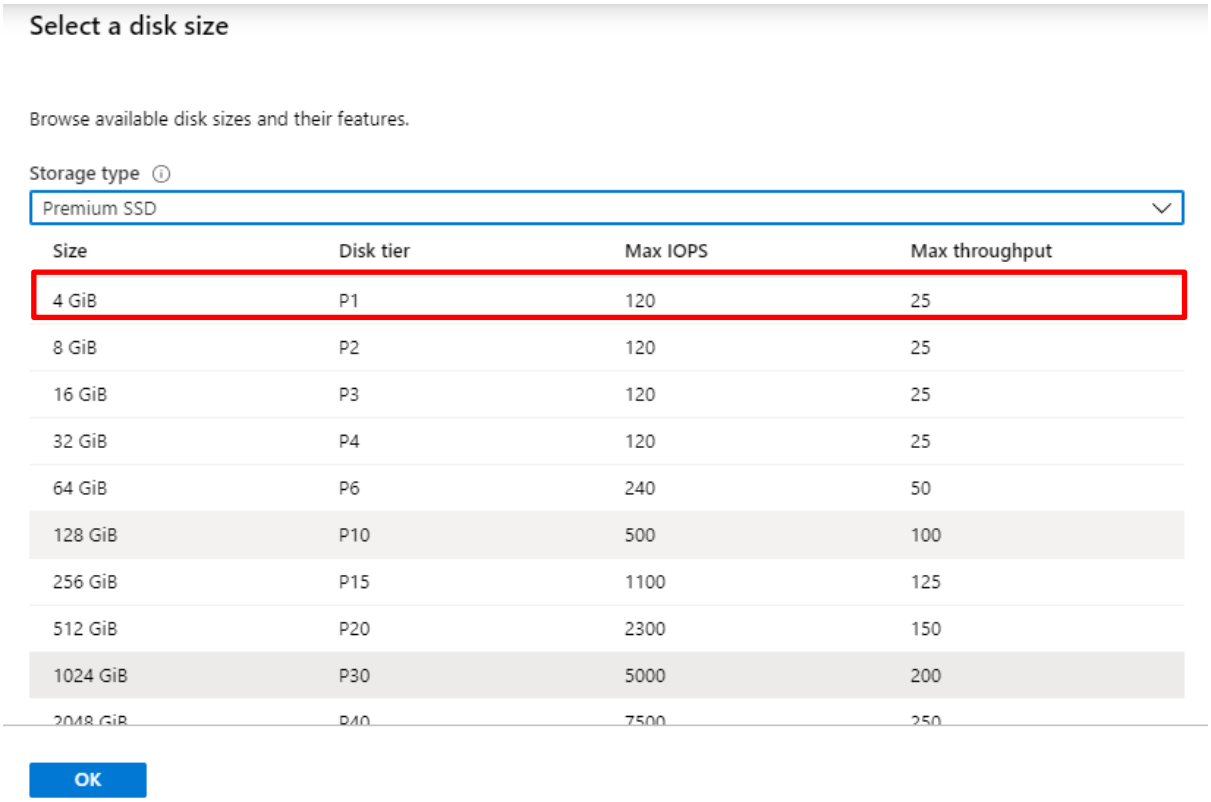
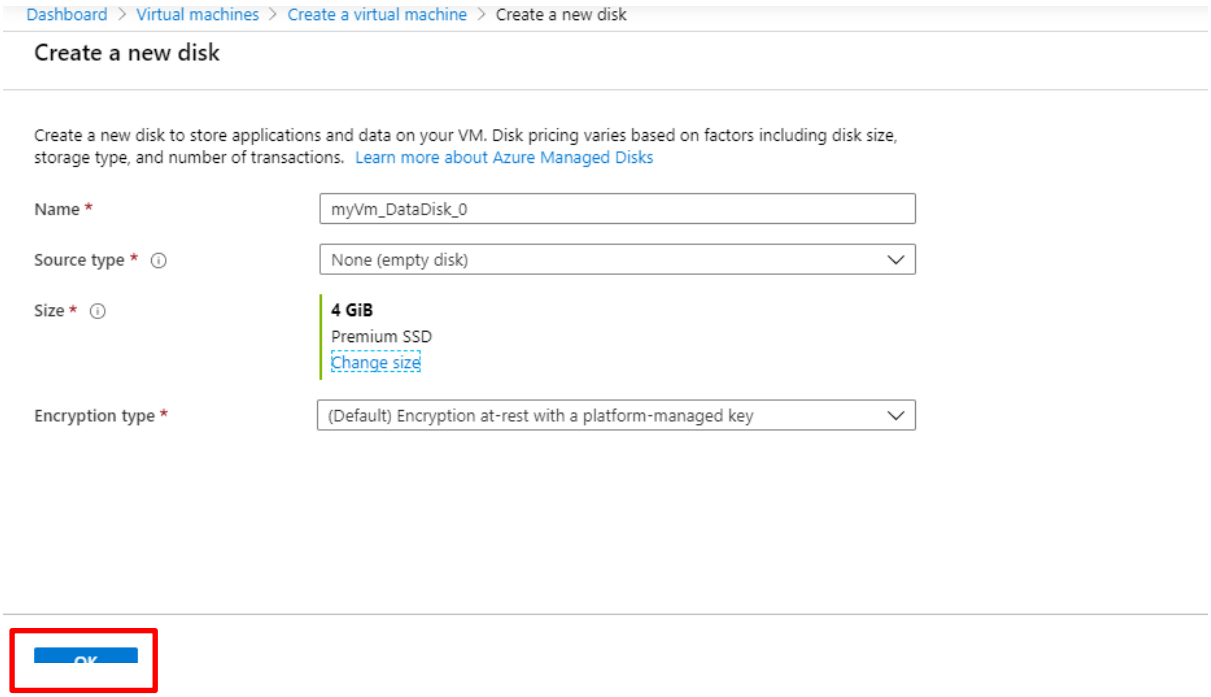



12. Click Ok. Then in the screen below also, click Ok




13. Optionally add Tags, if required. Then click on Review & Create. Then Click on Create. This completes the creation of the Virtual machine.

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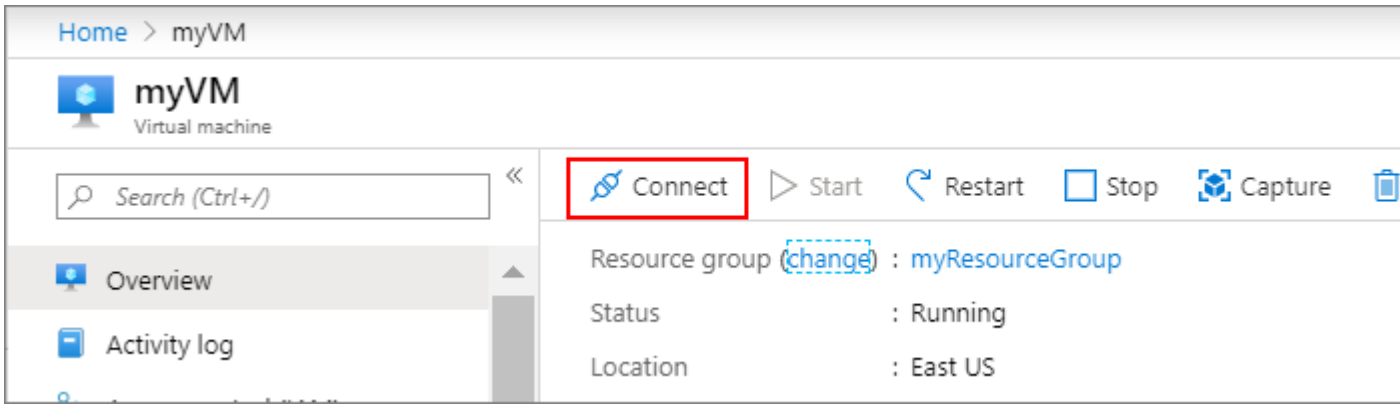
**Connect to virtual machine**

Create a remote desktop connection to the virtual machine. These directions tell you how to connect to your VM from a Windows computer. On a Mac, you need an RDP client such as this Remote Desktop Client from the Mac App Store.

1. Click the **Connect** button on the overview page for your virtual machine.




2. In the **Connect to virtual machine** page, keep the default options to connect by IP address, over port 3389, and click **Download RDP file**.
3. Open the downloaded RDP file and click **Connect** when prompted.
4. In the **Windows Security** window, select **More choices** and then **Use a different account**. Type the username as **localhost***username*, enter password you created for the virtual machine, and then click **OK**.
5. You may receive a certificate warning during the sign-in process. Click **Yes** or **Continue** to create the connection.

**------ Optional Steps for Experimentation for this audience--------**

**Install web server**

To see your VM in action, install the IIS web server. Open a PowerShell prompt on the VM and run the following command:

PowerShellCopy

Install-WindowsFeature -name Web-Server -IncludeManagementTools

When done, close the RDP connection to the VM.

**View the IIS welcome page**

In the portal, select the VM and in the overview of the VM, use the **Click to copy** button to the right of the IP address to copy it and paste it into a browser tab. The default IIS welcome page will open, and should look like this:

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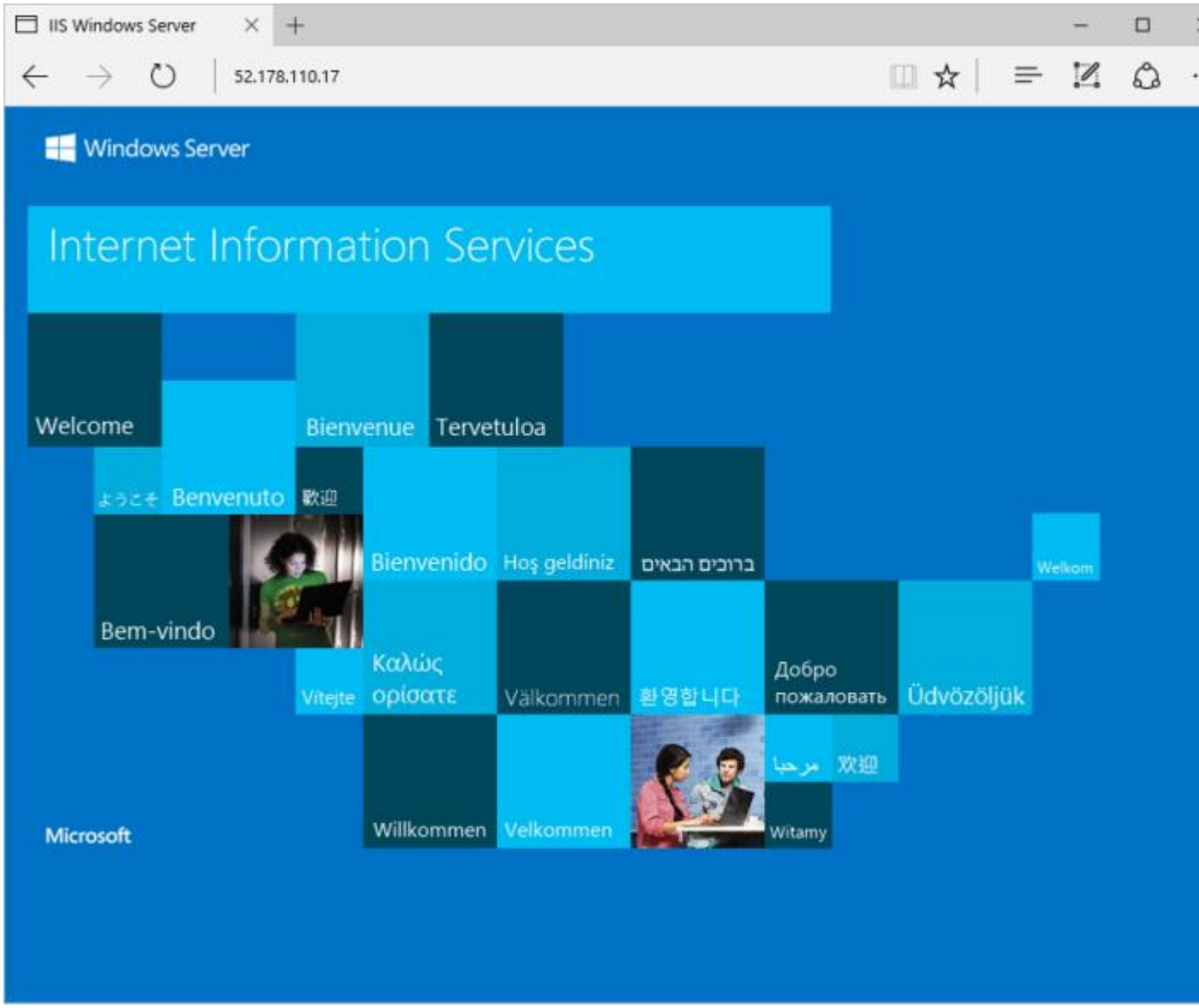


**Clean up resources**

When no longer needed, you can delete the resource group, virtual machine, and all related resources.

Select the resource group for the virtual machine, then select **Delete**. Confirm the name of the resource group to finish deleting the resources.