# Create a Virtual Machine and Connect to It Using Azure Bastion

Introduction

Azure Bastion enables remote connectivity to a virtual machine (VM) without the need to have a public IP address on the virtual machine or the requirement to deploy and manage jump boxes. In this lab, you will create a virtual machine that does not have a public IP address and an Azure Bastion resource. Then you will connect securely to the virtual machine with Azure Bastion.
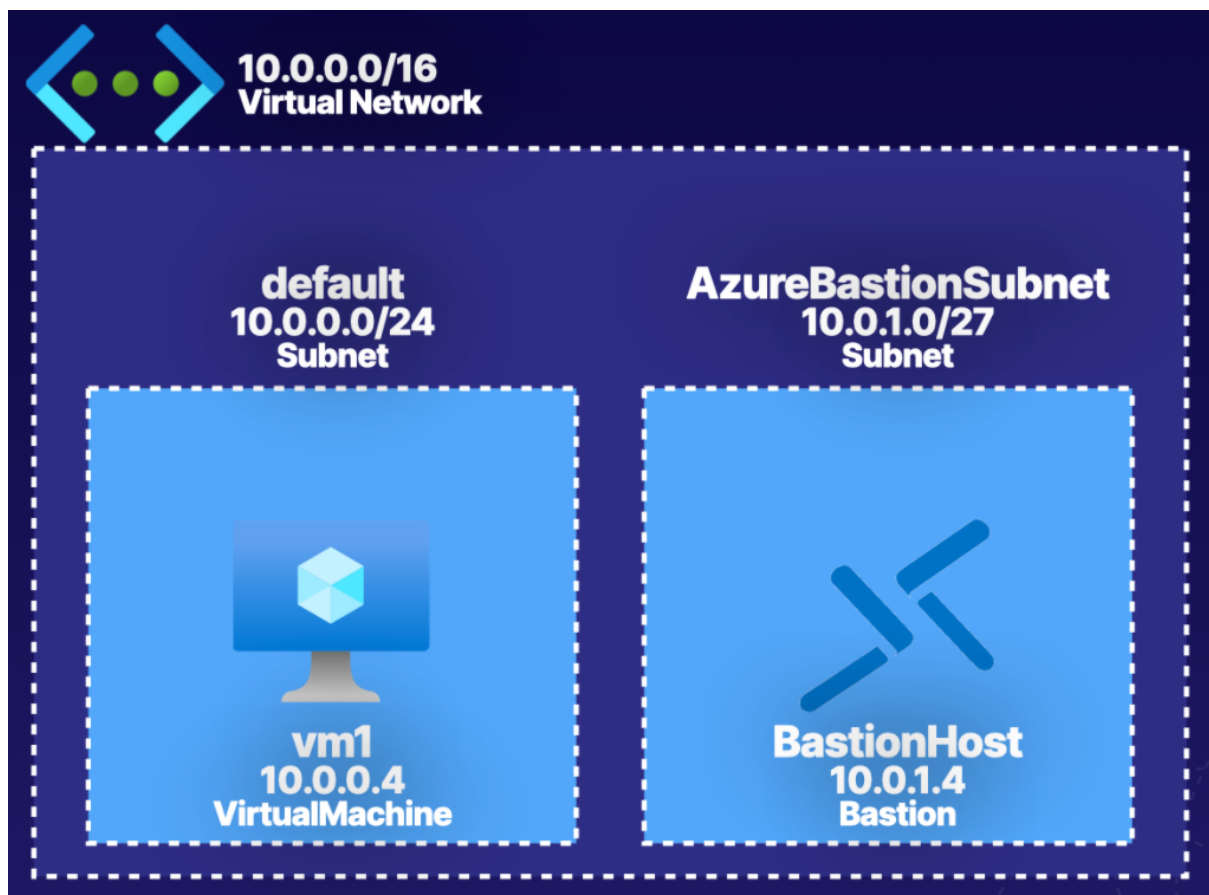
Solution

Create a Windows Virtual Machine

1. From the menu at the top, click + Create.

2. In the Search box, type "virtual machine" and press Enter.

3. On the Marketplace page, for the Virtual machine resource, click the Create drop-down and then click Virtual machine.

4. In the Virtual machine name field, enter vm1.

5. From the Image drop-down, select Windows Server 2019 Datacenter - Gen 2.

6. Leave the Subscription, Resource group, Region, and Size options at the defaults that Azure selected automatically.

7. In the Username field, enter a username of your choosing that meets the username requirements.

8. In the Password field, enter a password of your choosing that meets the password requirements.

9. In the Confirm password field, enter the password again.

Note: *Make sure you remember the username and password you set here, as you will need it to connect to the virtual machine later in this lab.*

10. For the Public inbound ports option, select None.

11. Click Next: Disks.

12. Click Next: Networking.

13. Confirm that Azure has automatically assigned a name and subnet for the virtual network.

14. From the Public IP drop-down, select None.

15. For the NIC network security group option, select None.

16. Leave the remainder of the settings at their defaults, and click Review + create.

17. Once validation has passed, click Create.

18. Wait for the resource to deploy before proceeding.

19. Once the deployment is complete and the VM has been successfully provisioned, click Go to resource.

Deploy Azure Bastion

1. Once inside the VM resource, from the menu at the top, click Connect and then click Bastion.
2. Click Use Bastion.

3. Confirm that Azure has automatically selected the virtual machine for Step 1 of 3 in the wizard.
4. For Step 2 of 3, click Create Subnet.
5. Wait for the subnet to be created.
6. For Step 3 of 3, accept the default selections and click Create Azure Bastion using defaults.
7. Wait for Azure to deploy the Azure Bastion host. This may take a few minutes to complete.

Connect to the Virtual Machine with Azure Bastion

1. Once the deployment is complete, you will be prompted for your credentials,

   Note: If you are not automatically prompted to enter your credentials, click Connect in the left-hand menu and select Bastion.

2. If you have a pop-up blocker enabled, uncheck Open in a new window.
3. In the Username and Password fields, enter the username and password you configured when creating the virtual machine.
4. Click Connect.
5. Confirm that you are connected to the vm1 virtual machine you created earlier.