Module 7 : Assignment 5

Tasks To Be Performed:

1. Create a VM without public IP address

2. Connect to this VM using bastion host

Solution:

1. Create a VM without public IP address

Create a virtual machine   ...

| Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload |

> ⓘ You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription.
> Learn more ⧉

Size * ⓘ
Standard_B1s - 1 vcpu, 1 GiB memory (₹1,044.59/month) (free services eligi... ⌄

See all sizes

Enable Hibernation ⓘ
☐

> ⓘ Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. Learn more ⧉

Administrator account

Username * ⓘ
Jungkook ✓

Password *
•••••••••••• ✓

Confirm password *
•••••••••••• ✓

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * ⓘ
○ None
◉ Allow selected ports

Select inbound ports *
HTTP (80), RDP (3389) ⌄

> ⓘ All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

| < Previous | Next : Disks > | Review + create |

Create a virtual machine …

Help me create a low cost VM	Help me create a VM optimized for high availability	Help me choose the right VM size for my workload

Basics   Disks   **Networking**   Management   Monitoring   Advanced   Tags   Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more ☐

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ

(new) assignment5-vnet   ⌄

Create new

Subnet * ⓘ

(new) default (10.0.0.0/24)   ⌄

Public IP ⓘ

None   ⌄

Create new

NIC network security group ⓘ

◯ None
◉ Basic
◯ Advanced

Public inbound ports * ⓘ

◯ None
◉ Allow selected ports

Select inbound ports *

HTTP (80), RDP (3389)   ⌄

⚠ **This will allow all IP addresses to access your virtual machine.** This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete NIC when VM is deleted ⓘ   ☐

< Previous	Next : Management >	**Review + create**

Public IP ⓘ

None   ⌄

Create new

2. Connect to this VM using bastion host

assignment5 📌 ☆ ⋯
Virtual machine

🔍 Search ◇ ≪ ⌀ Connect ⌄ ▷ Start ⟳ Re

🖥 **Overview**

📄 Activity log

Connect

Connect via Bastion

Resource group (move) : Module

✕ assignment5 | Bastion ☆ ⋯
Virtual machine

🔍 Search ◇ ≪

🖥 Overview

📄 Activity log

👥 Access control (IAM)

🏷 Tags

✕ Diagnose and solve problems

∨ Connect

　⌀ Connect

　✕ Bastion

　💻 Windows Admin Center

∨ Networking

　🖧 Network settings

Azure Bastion protects your virtual machines by secure and seamless RDP & SSH connectivity without the need to expose them through public IP addresses. Deploying will automatically create a Bastion host on a subnet in your virtual network. Learn more ↗

Create Bastion

Name ⓘ   assignment5-vnet-bastion

Resource group ⓘ   Module7

Virtual network ⓘ   assignment5-vnet

Public IP address ⓘ   assignment5-vnet-ip

ⓠ Bastion pricing starts with an hourly base rate. Learn more ↗

Deploy Bastion　　　Configure manually

■■■ **Creating a new Bastion**　　　Running ✕

Creating a new Bastion 'assignment5-vnet-bastion'.

　　　　　　　　　　　　a few seconds ago

✅ **Created a new Bastion**　　　✕

Successfully created a new Bastion 'assignment5-vnet-bastion'.

　　　　　　　　　　　　2 minutes ago

✕ assignment5 | Bastion ☆ ···
Virtual machine

🔍 Search	«
🖥️ Overview	
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🖧 Network manager	
⌄ Settings	

Azure Bastion protects your virtual machines by secure and seamless RDP & SSH connectivity without the need to expose them through public IP addresses. Learn more ⧉

Using Bastion: **assignment5-vnet-bastion**

Provisioning State: **Succeeded**

Please enter username and password to your virtual machine to connect using Bastion.

∧ Connection Settings

Keyboard Language ⓘ

[English (US)   ⌄]

Authentication Type ⓘ   [VM Password   ⌄]

Username ⓘ   [Jungkook   ✓]

VM Password ⓘ   [••••••••••••   ]

[Show]

☑ Open in new browser tab

[Connect]

▾ | 🅰 assignment5 - Microsoft Azure ✕ | 🏳 assignment5 ✕ | + |

← → ⟳   🔒 bst-b83e3c25-23b7-4fbb-a167-8dfdd1fb84bc.bastion.azure.com/#/client/YXNzaWdubWVudDUYwBiaWZyb3N0?trustedAuthority=https:%2F%2F

»

🧑

Jungkook

Applying user settings