SHAHEED ZULIFKAR ALI BHUTTO
INSTITUTE OF SCIENCE & TECHNOLOGY

SZABIST

Name	Umer Amir
Registration Id	2112241
Section	BSCS 8th A
Course	Introduction to DevOps
Instructor	Tariq Khan Ghouri

DevOps

LAB06

By Umer Amir _ 2112241

M. Taha Jamal _ 2112244

TASK 1:

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

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. Learn more ⬄

ⓘ This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

Azure subscription 1   ⌄

Resource group * ⓘ

(New) SimpleWinVM_group   ⌄

Create new

Instance details

Virtual machine name * ⓘ

SimpleWinVM   ✓

Region * ⓘ

(US) East US   ⌄

Availability options   ⓘ

No infrastructure redundancy required   ⌄

Security type   ⓘ

Standard   ⌄

ⓘ Trusted launch virtual machine is required when using 1P Gallery images.

Image * ⓘ

⊞ Windows Server 2019 Datacenter - x64 Gen2 (free services eligible)   ⌄

See all images | Configure VM generation

This image is compatible with additional security features. Click here to swap to the Trusted launch security type.

VM architecture ⓘ

◯ Arm64

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

○ x64

ⓘ Arm64 is not supported with the selected image.

Run with Azure Spot discount ⓘ   ☐

> ⓘ 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_D2s_v3 - 2 vcpus, 8 GiB memory ($137.24/month) ⌄

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 * ⓘ   azureuser   ✓

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   Select one or more ports   ⌄

> ⓘ 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**]

Diagnostics

Boot diagnostics ⓘ   ○ Enable with managed storage account (recommended)
                       ○ Enable with custom storage account
                       ◉ Disable

Enable OS guest diagnostics ⓘ   ☐

TASK 2:

Create network security group ...

✅ Validation passed

Basics   **Tags**   **Review + create**

Basics

Subscription	Azure subscription 1
Resource group	DefaultResourceGroup-EUS
Region	East US
name	myNSGSecure

Tags

None

TASK 3:

undefined:3389

Couldn't connect.

We couldn't find the remote PC. Make sure the PC name is correct, and try connecting again. If that doesn't work, you can try using the remote PC's IP address.

Error code: 0x260
Extended error code: 0x0
Activity ID: {93d2a198-3c84-4fd5-b79d-15411e0e0000}

Copy to clipboard

Cancel

🛡 Add inbound security rule

SimpleWinVM-nsg   ✕

Source ⓘ

| Any | ⌄ |

Source port ranges * ⓘ

| * |

Destination ⓘ

| Any | ⌄ |

Service ⓘ

| Custom | ⌄ |

Destination port ranges * ⓘ

| 3389 | ✓ |

Protocol

○ Any

◉ TCP

○ UDP

○ ICMPv4

Action

◉ Allow

○ Deny

Priority * ⓘ

| 300 | ✓ |

Name *

| AllowRDP | ✓ |

Description

| |

| **Add** | Cancel | 👥 Give feedback

Accept certificate and connect?

PC name:
172.174.85.40:3389

It might not be safe to connect to this PC:

untrusted certificate

Do you want to connect anyway?

☐ Don't ask about this certificate again

Details ⌄

| Connect anyway | Cancel |

TASK 4:

🛡️ Add outbound security rule

SimpleWinVM-nsg

Source port ranges * ⓘ

```
*
```

Destination ⓘ

```
Service Tag                                    ⌄
```

Destination service tag ⓘ

```
Internet                                       ⌄
```

Service ⓘ

```
Custom                                         ⌄
```

Destination port ranges * ⓘ

```
8080                                          ✓
```

Protocol

○ Any

◉ TCP

○ UDP

○ ICMPv4

Action

○ Allow

◉ Deny

Priority * ⓘ

```
4000                                          ✓
```
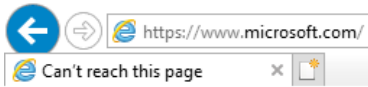
Name *

```
DenyInternet                                  ✓
```

Description

```

```

Add   **Cancel**   ⏍ Give feedback

https://www.microsoft.com/

Can't reach this page

Can't reach this page

- Make sure the web address https://www.microsoft.com is correct

- Search for this site on Bing

- Refresh the page

⊙ More information

Fix connection problems