

Home / Azure / Guided Lab / Create a Virtual Machine

Create a Virtual Machine

Level: Fundamental

Azure Virtual Machine Azure

 0h 18m 9s left



End Lab

Open Console

Validation

Lab Credentials

User Name ⓘ

labuser_142282_66351733@instructorwhizlabs.onmicrosoft.com



Password ⓘ

#\$!o2?l&hy6SOA3G4xg



Resource Group ⓘ

rg_eastus_142282_1_168959616770






Lab Resources

No Lab Resources Found

Support Documents

No Support Documents Found

Need help?

-  How to use Hands on Lab
-  Troubleshooting Lab
-  FAQs

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Lab Steps

Task 1: Sign in to Azure Portal


1. Go to the Azure portal by clicking on the **Open console** button or by using URL <https://portal.azure.com>.
 - **Note:** It is recommended to use incognito mode to avoid Azure portal cache related issues.
2. If it automatically logs into any other azure account, please logout of it and clear cache.
3. Sign in with your given **username** and **password** on Azure portal.
4. If login is not working. Click on the **End lab** and start the lab again.

Task 2: Create an Azure Virtual Machine

1. Click on **Create a resource** button



2. In the search box, enter **Virtual Machine**.



Virtual machine

[Add to Favorites](#)

Microsoft

★ 4.9 (18 Azure ratings)

Plan

Virtual machine

▼

Create

3. Select **Create** and enter the following values in the **Basics** tab.

- Resource group : Select **rg_eastus_XXXXX**
- Instance details:
 - Virtual machine name: Enter **WhizlabsVM**
 - Region: Select **East US**
 - Availability options: Select **No infrastructure redundancy required**
 - Security type: Select **Standard**
 - Image: Select **Windows Server 2019 Datacenter – Gen2**
 - Size: Select **Standard_B2s**
- Administrator account:
 - Username: Enter **vm1**
 - Password: Enter a password
 - Confirm password: Re-enter the password
- Inbound port rules:
 - Public inbound ports: Select **Allow selected ports**
 - Select inbound ports: Select **HTTP(80), SSH(22), RDP(3389)**

Home > Virtual machines >

Create a virtual machine

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](#)

Project details

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

Subscription * ⓘ Pay-As-You-Go

Resource group * ⓘ rg_eastus_129298_1_168709897514 [Create new](#)

Instance details

Virtual machine name * ⓘ WhizlabsVM

Region * ⓘ (US) East US

Availability options ⓘ No infrastructure redundancy required

Security type ⓘ Standard

[Review + create](#) [< Previous](#) [Next : Disks >](#)

4. Click on the **Next: Disks** button and select the following:

- OS disk type: Select **Standard SSD**

Disk options

OS disk type * ⓘ Standard SSD (locally-redundant storage)

If performance is critical for your workloads, choose Premium SSD disks for lower latency, higher IOPS and bandwidth, and bursting. [Learn more](#)

Delete with VM ⓘ ☒

5. Click on the **Next: Networking** button and then click on the **Next: Management** button, leave all values as default and click on the **Next: Monitoring** button and select following details:


- Boot diagnostics: Select **Disable**

Monitoring


Boot diagnostics ⓘ


☐ Enable with managed storage account (recommended)
☐ Enable with custom storage account
☒ Disable

6. Click on the **Review + Create** button and then select **Create**.



Your deployment is complete



Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe..
Subscription: [Pay-As-You-Go](#)
Resource group: 

▼

 Deployment details [\(Download\)](#)

^

 Next steps

[Setup auto-shutdown](#) Recommended

[Monitor VM health, performance and network dependencies](#) Recom

[Run a script inside the virtual machine](#) Recommended

[Go to resource](#) [Create another VM](#)






Task 3: Understand Deployment details

1. Click on **Deployment details**.

▼ Deployment details [\(Download\)](#)

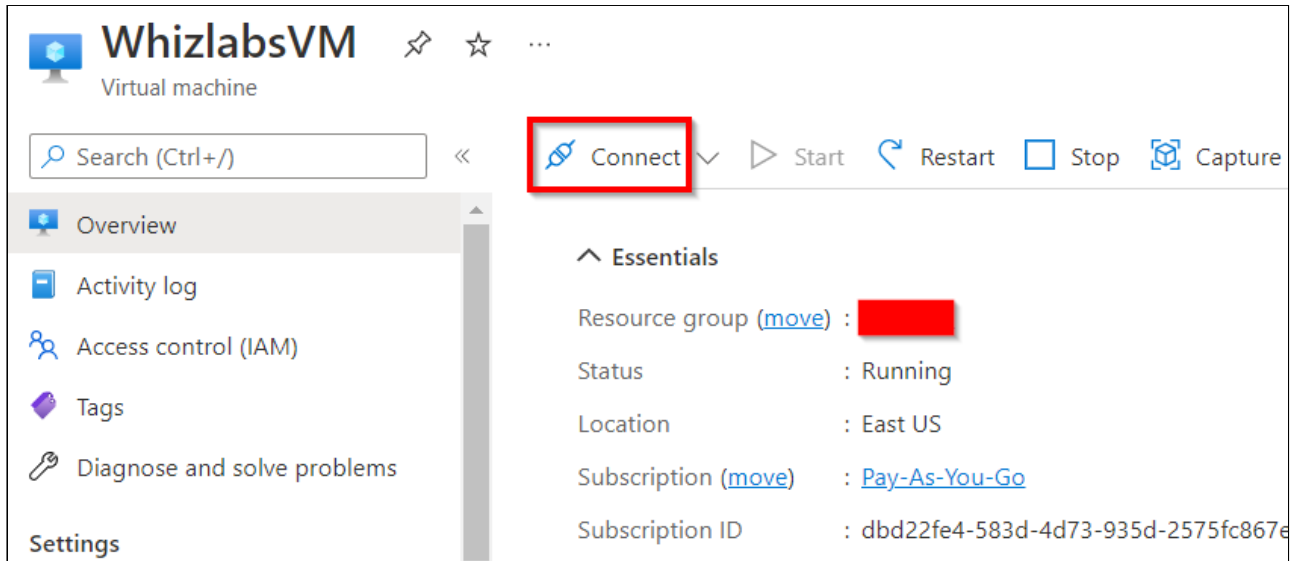
2. Here we can see that, by the configurations we made while creating the virtual machine, we have deployed a virtual machine with a **network interface**, **virtual network**, a **public IP address** and a **network security group**.

^ Deployment details [\(Download\)](#)

Resource	Type	Status
 WhizlabsVM	Microsoft.Compute/virtualMachines	OK
 whizlabsvm21	Microsoft.Network/networkInterfaces	Created
 task_301-vnet	Microsoft.Network/virtualNetworks	OK
 WhizlabsVM-ip	Microsoft.Network/publicIpAddresses	OK
 WhizlabsVM-nsg	Microsoft.Network/networkSecurityG...	OK

Task 4: RDP into the Virtual Machine

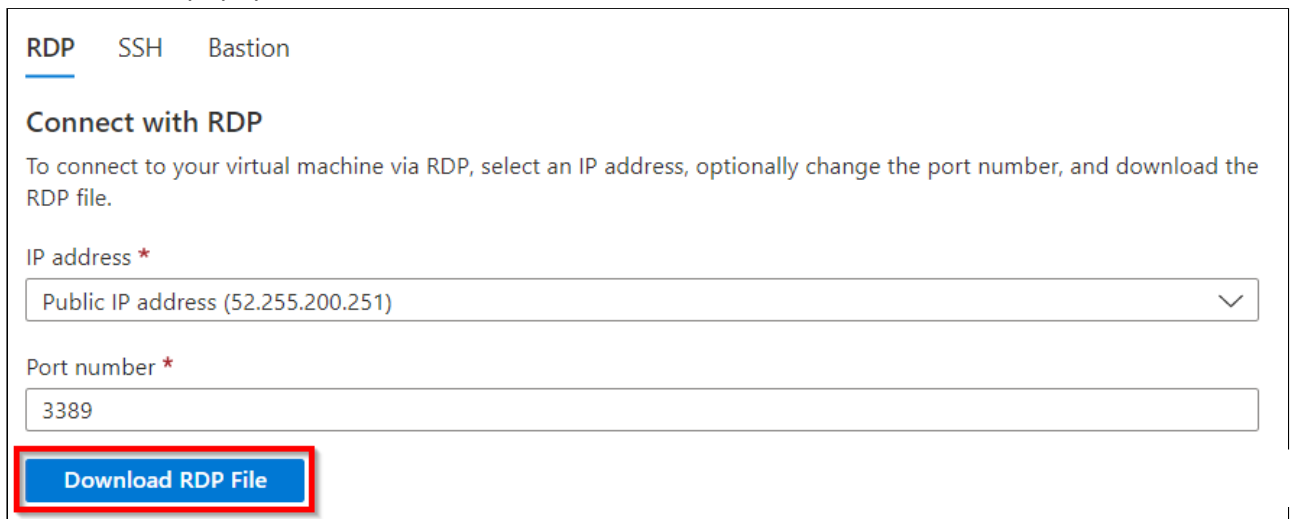
1. In the search box at the top of Azure Portal, search for **Virtual Machines**, select **WhizlabsVM** from the list and click on **Connect**.



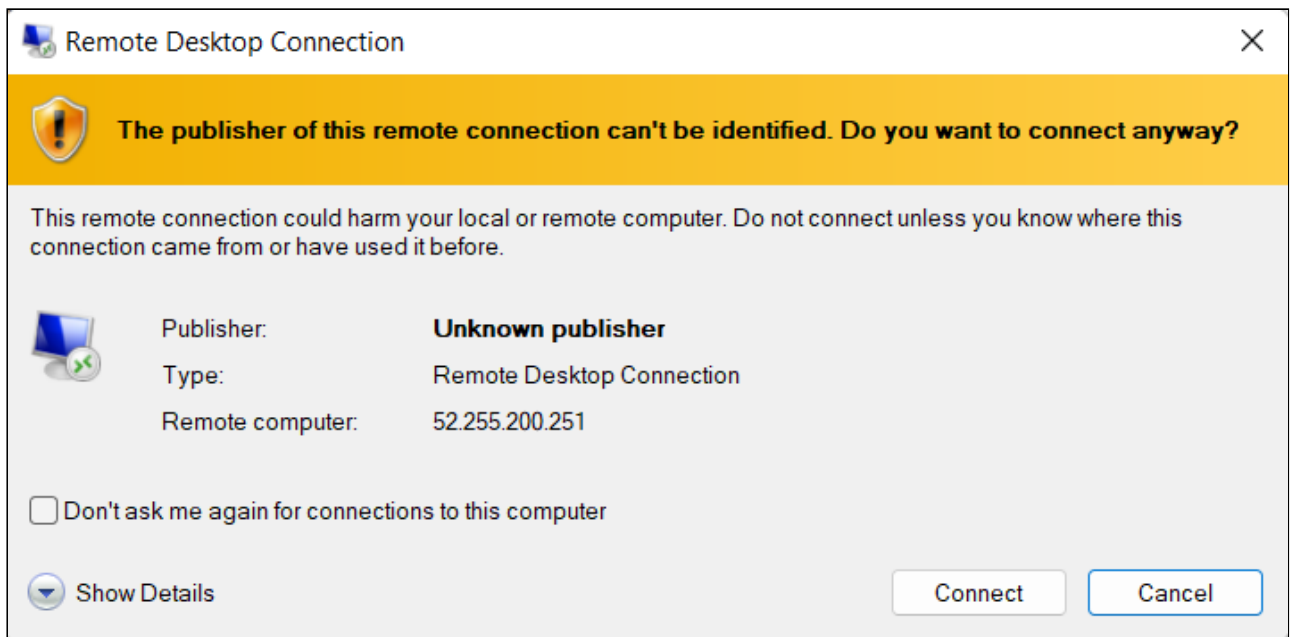
2. Select **RDP** and click on **Download RDP File** button.

NOTE: If you are a **Linux** or **MAC** user:

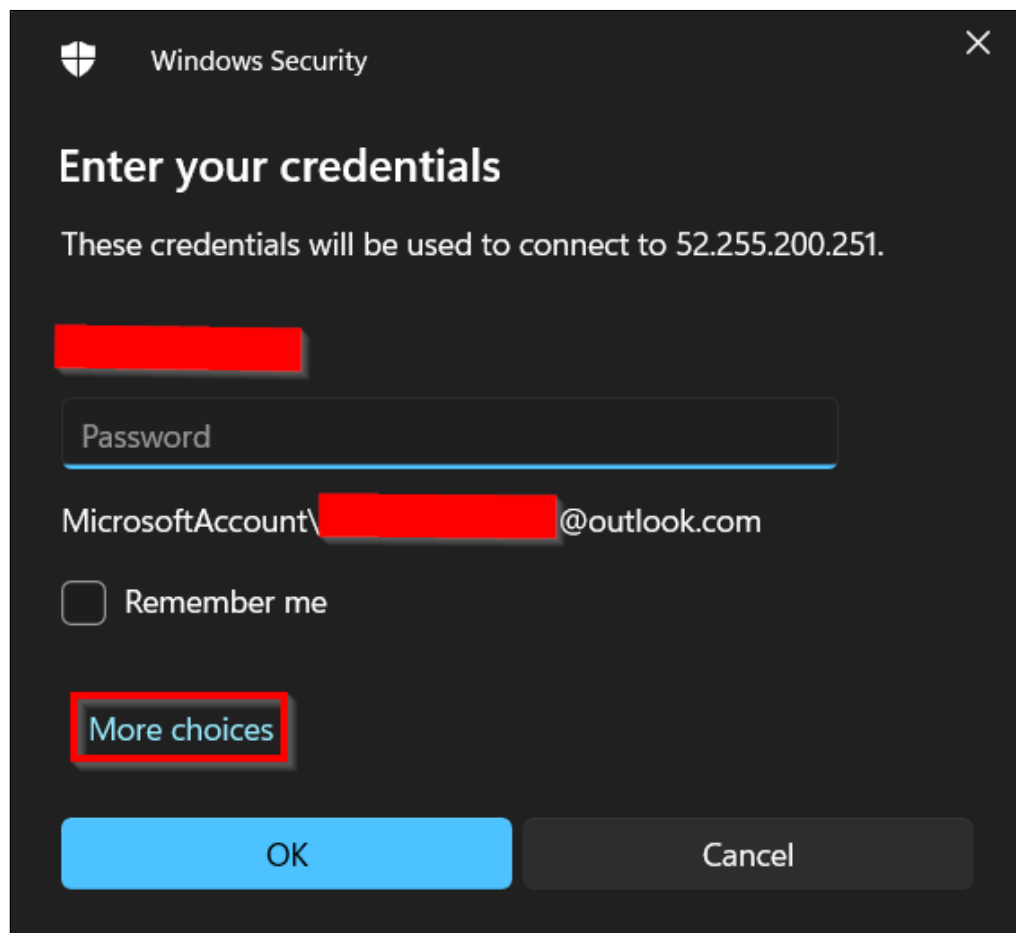
- Download the [RDP software](#) and install it.
- Once installed, open the software and click on **Add PC**.
- Connect to your virtual machine using its public IP address and click on **Add**.
- Right click and open the PC, Enter **username** and **password** in the popup and click on continue on all further popups.



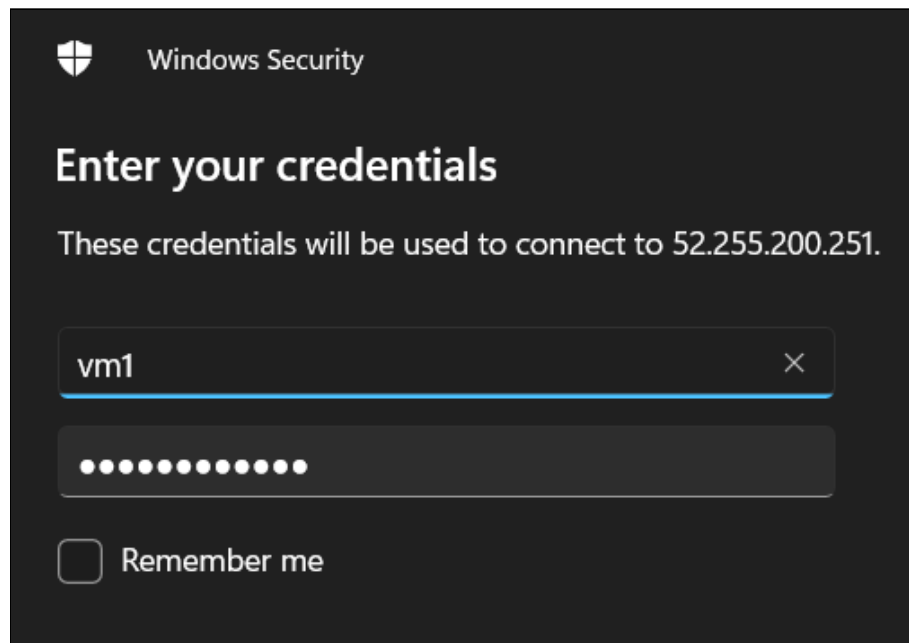
3. Open the download **RDP** file and select **Connect** on the displayed prompt.



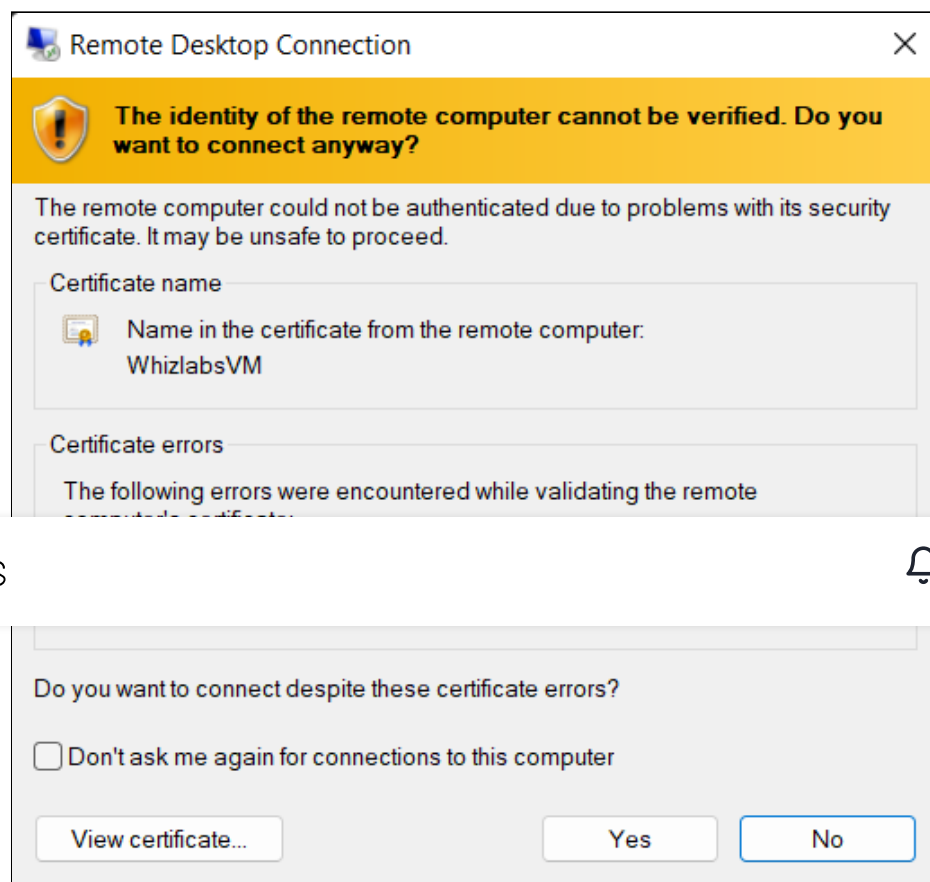
4. On the **Windows Security** prompt, click on **more choices**.



5. Click on **Use a different account** and enter the username and password you specified while creating the Virtual Machine and select **OK**.



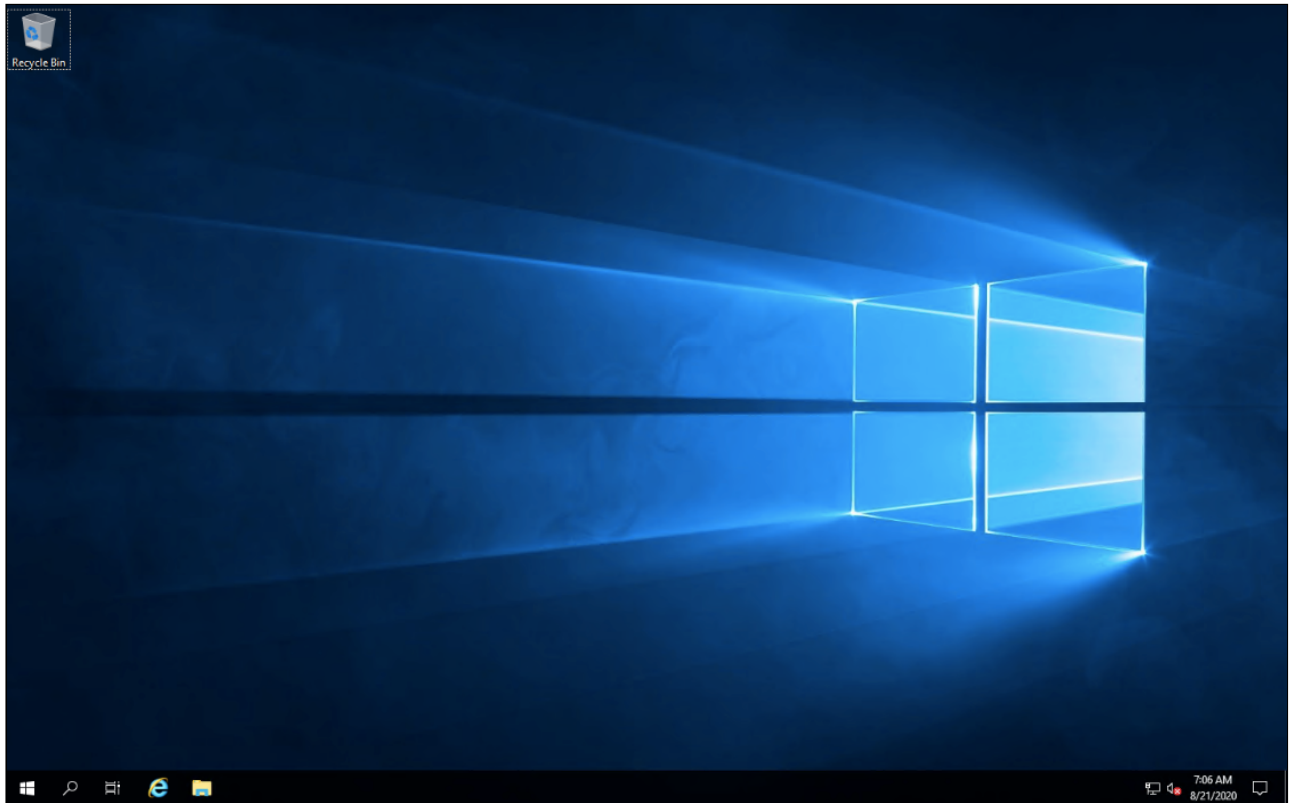
6. You may receive a certificate warning during the sign-in process. Select **Yes** to continue.



7. After successfully logging into the virtual machine, wait until the windows boots up and is ready to use.

- If you see this message **Do you want to allow your PC to be discoverable by other PCs and devices on this network?** Click on **Yes**

- Your Virtual Machine is ready to use
- A **Server Manager** window might open by default



Do you know?

Virtual machines can be "snapshotted," allowing users to save the current state of the VM and revert back to it later if needed. This feature is useful for testing or experimentation purposes.

Task 5: Validation test

1. Once the lab steps are completed, click on **Validation** button or go to **Lab Validation** section.
2. Click on **Validate My Lab** button.
3. You will get the "**Lab Overall Status**" which will indicate whether or not you have completed the lab successfully.

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Lab Overview Lab Steps Lab Validation

Azure Administrator Associate
Administrator

Lab Steps

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Note: It is recommended to use incognito mode to avoid Azure portal cache related issues.

0h 19m 52s left

End Lab Open Console Validation

Lab Credentials

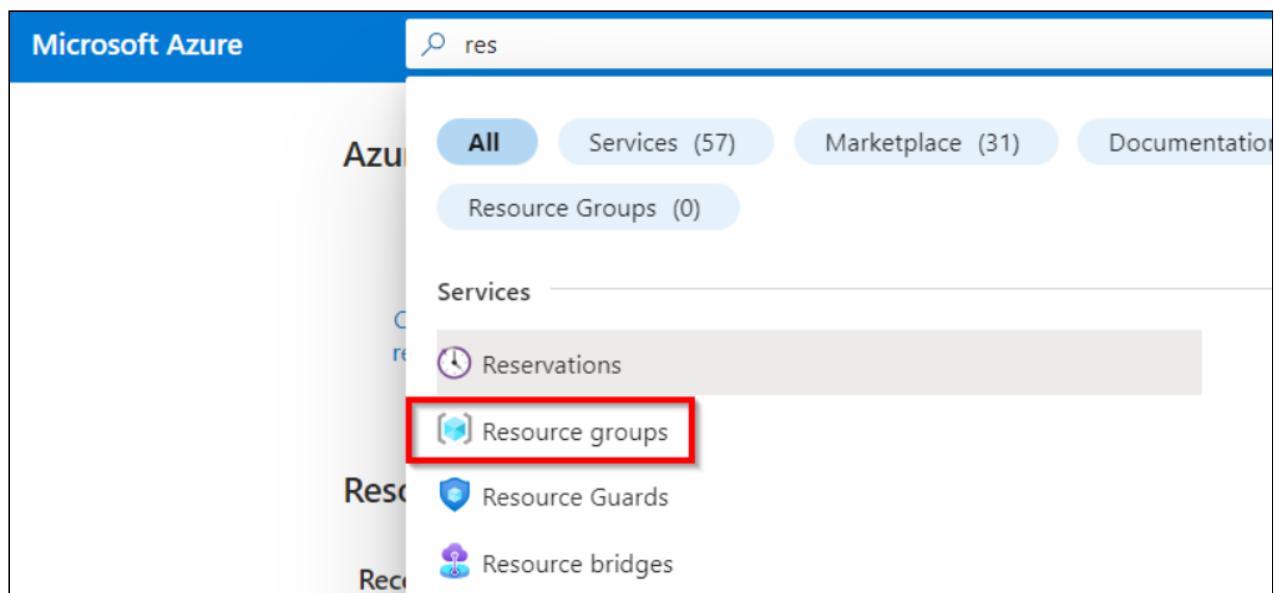
User Name ①
labuser_53282_30629250@instructorw

Password ①
#1UQ5Fk7n69Talk\$0ld

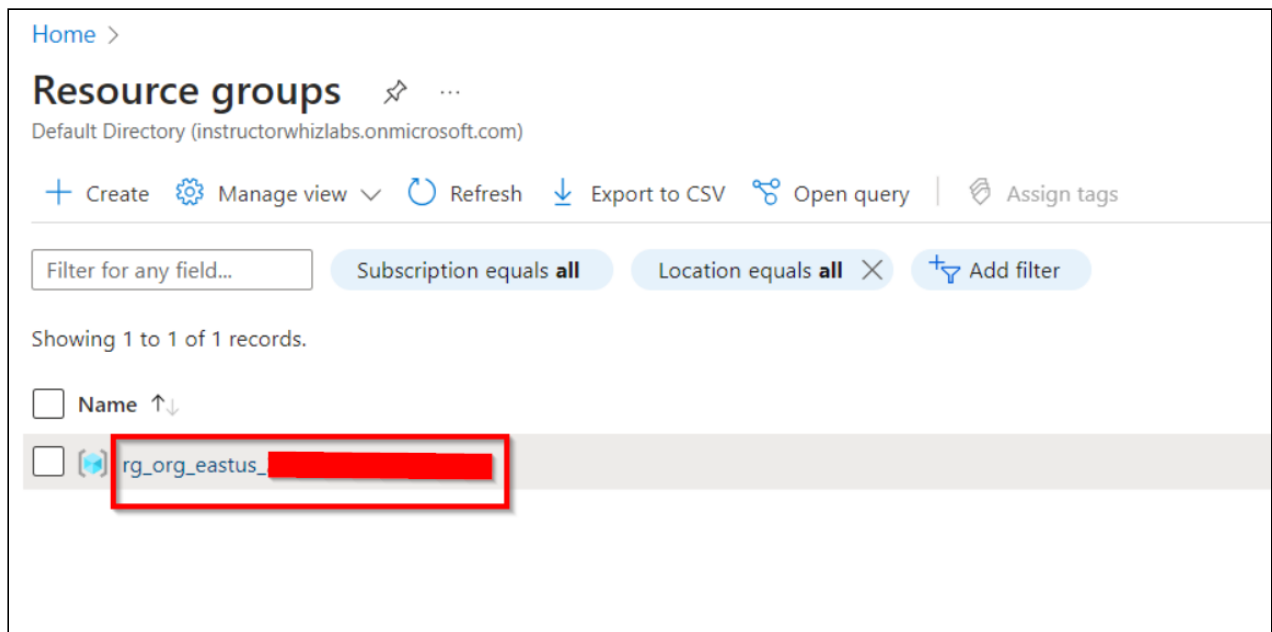
Resource Group ①
rg_eastus_53282_1_16670975268

Task 6: Deleting the resources

1. In the search box at the top of the Azure portal, enter **Resource Groups**. Select Resource groups from the results.



2. Click on the name of the resource group.



Home >

Resource groups

Default Directory (instructorwhizlabs.onmicrosoft.com)

+ Create ⚙️ Manage view ▾ ↻ Refresh ⬇️ Export to CSV 🔗 Open query | 🏷️ Assign tags

Filter for any field... Subscription equals all Location equals all X + Add filter

Showing 1 to 1 of 1 records.

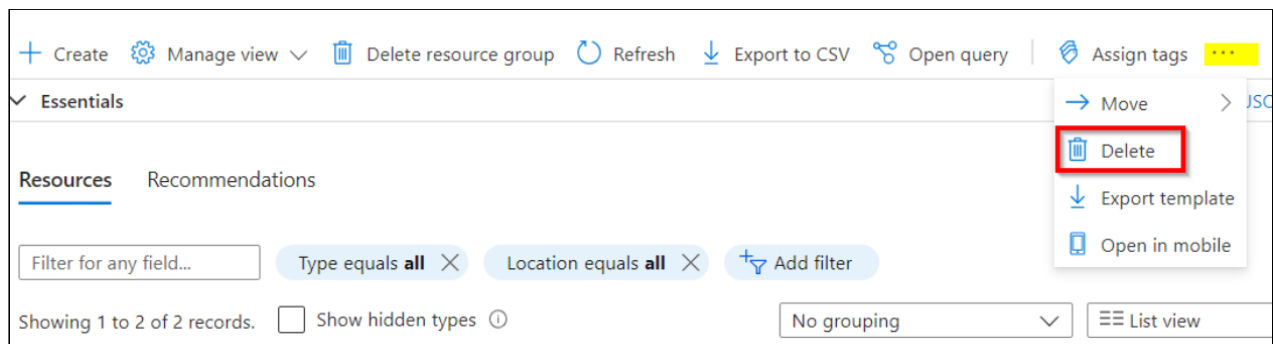
☐ Name ↑↓

☒ rg_org_eastus_...

3. Select all the resources in that Resource group by clicking on the **Name** checkbox.



4. Go to the three dots on right and click **Delete**.



+ Create ⚙️ Manage view ▾ 🗑️ Delete resource group ↻ Refresh ⬇️ Export to CSV 🔗 Open query | 🏷️ Assign tags ...

Essentials

Resources Recommendations

Filter for any field... Type equals all X Location equals all X + Add filter

Showing 1 to 2 of 2 records. ☐ Show hidden types ⓘ No grouping ▾ List view

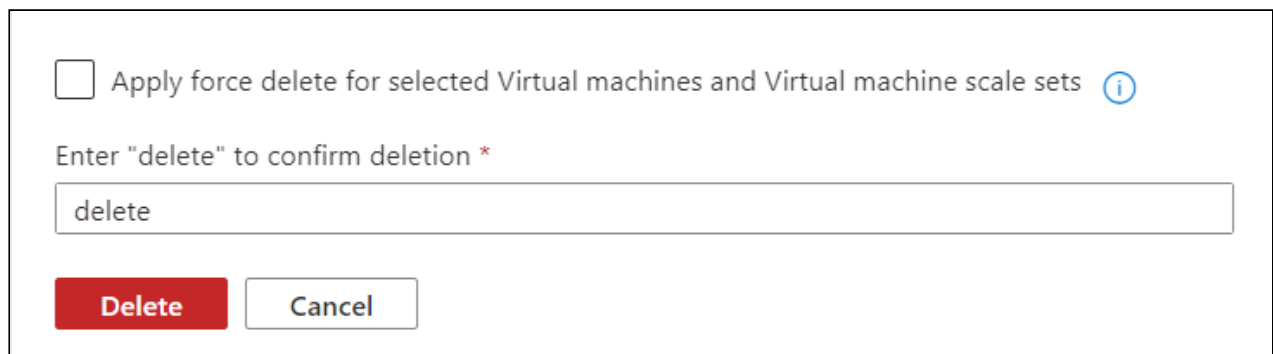
Move > JSC

Delete

Export template

Open in mobile

5. Now type Delete to confirm deletion.



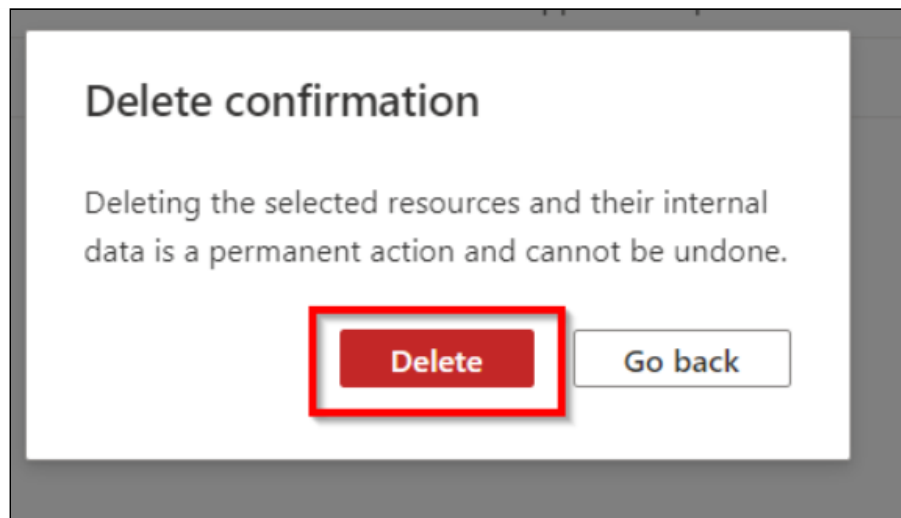
☐ Apply force delete for selected Virtual machines and Virtual machine scale sets ⓘ

Enter "delete" to confirm deletion *

delete

Delete Cancel

6. Confirm Deletion.



Completion and Conclusions

1. You have successfully signed in to Azure Portal
2. You have successfully created an Azure Virtual Machine
3. You have successfully understood the Deployment details
4. You have successfully made an RDP connection into the Virtual Machine
5. You have successfully tested the validation
6. You have successfully deleted the resources

End Lab

1. You have successfully completed this lab
2. Click on **Sign out** in Azure Portal by clicking on the logout button in the top right corner inside Azure Profile
3. Click on the **End lab** once you have completed the Lab