

EXP18: DEMONSTRATE INFRASTRUCTURE AS A SERVICE (IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER (AZURE), CONFIGURE WITH REQUIRED MEMORY AND CPU.

AIM:

To demonstrate infrastructure as a service (iaas) by creating a virtual machine using a public cloud service provider (azure), configure with required memory and cpu.

PROCEDURE:

STEP1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP2: GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.

STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AND USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.

STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

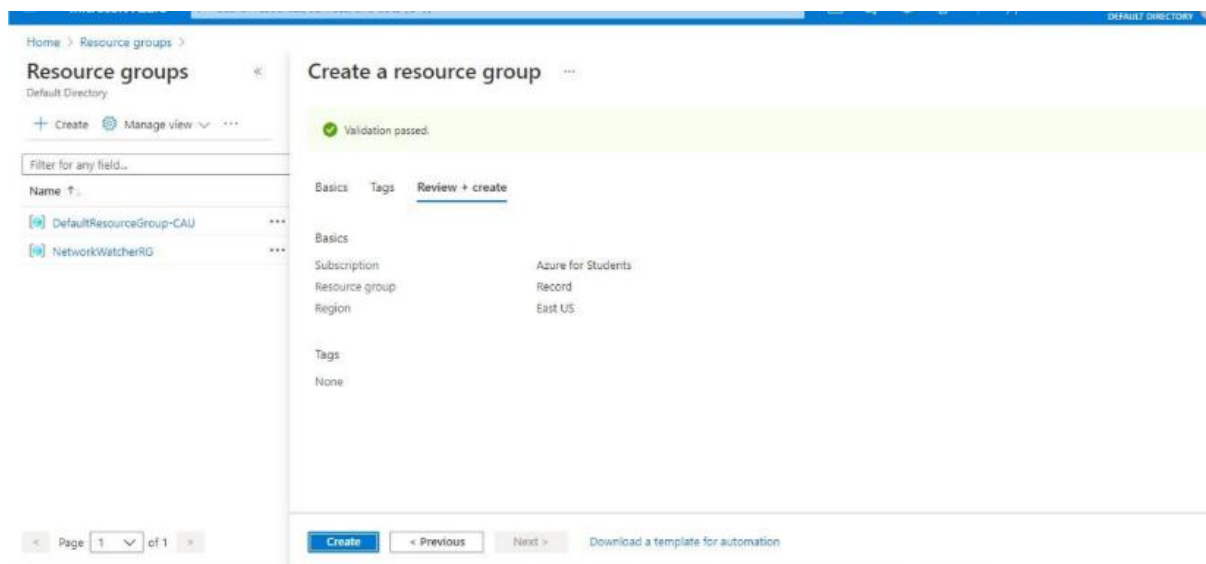
STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR

WINDOWS VIRTUAL MACHINE.

STEP8: NOW RESIZE THE VIRTUAL MACHINE SIZE.

STEP9: CREATED A NEW WINDOWS VIRTUAL MACHINE

IMPLEMENTATION:



Resource groups

Default Directory

+ Create Manage view ...

Filter for any field...

Name ↑

DefaultResourceGroup-CAU ...

NetworkWatcherRG ...

Page 1 of 1

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * Azure for Students

Resource group * Record

Resource details

Region * (US) East US

Review + create

< Previous

Next: Tags >

Home >

Resource groups

Default Directory

Create

Manage view

Refresh

Export to CSV

Open query

Assign tags

Feedback

Filter for any field...

Subscription == all

Location == all

Add filter

Showing 1 to 3 of 3 records.

No grouping

List view

<input type="checkbox"/> Name	Subscription	Location
<input type="checkbox"/> DefaultResourceGroup-CAU	Azure for Students	Australia Central
<input type="checkbox"/> NetworkWatcherRG	Azure for Students	East US
<input type="checkbox"/> Record	Azure for Students	East US

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20210721104828 | Overview X

Deployment

Search (Ctrl+F)

Delete Cancel Redeploy Refresh

Overview Inputs Outputs Template

We'd love your feedback →

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 7/21/2021, 10:52:14 AM

Subscriptions: Azure for Students Correlation ID: a0f40b35-8270-49dc-bcf7-42eec66e5c61

Resource group: Record

Deployment details (Download)

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource Create another VM

Security Center

Secure your apps and infrastructure

Go to Azure security center >

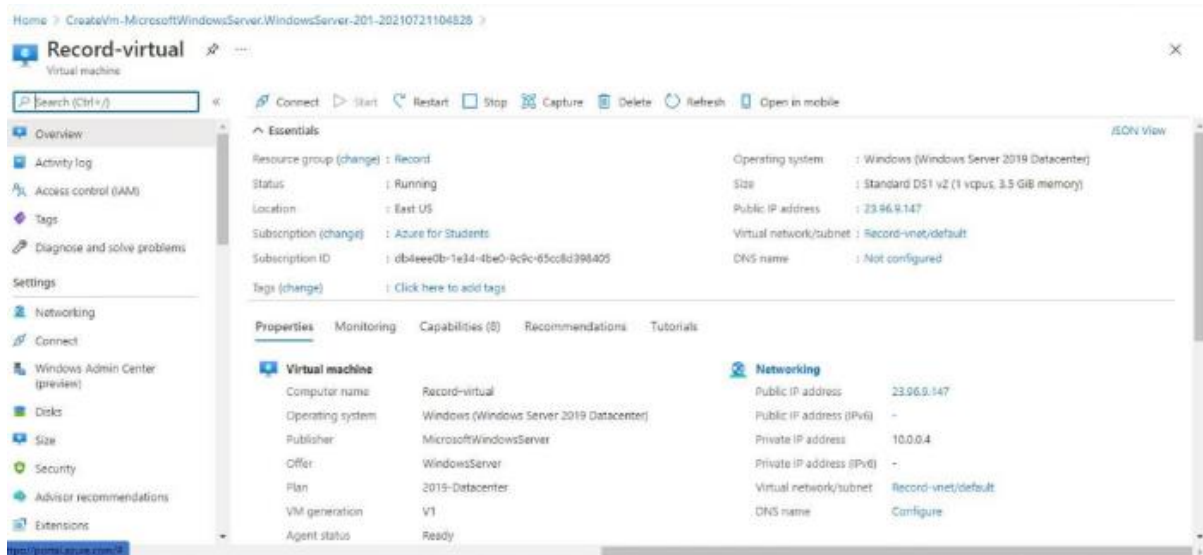
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RESULT:

Infrastructure as a service (iaas) by creating a virtual machine using a public cloud service provider (azure), configure with required memory and cpu has been demonstrated.