

EXP 19: Demonstrate Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configured 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), configured with required memory and CPU.

#### PROCEDURE:

STEP 1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP 2: GO TO RESOURCE GROUP AND CREATE A RESOURCE GROUP.

STEP 3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP 4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .

STEP 5: NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AN USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.

STEP 6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

STEP 7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.

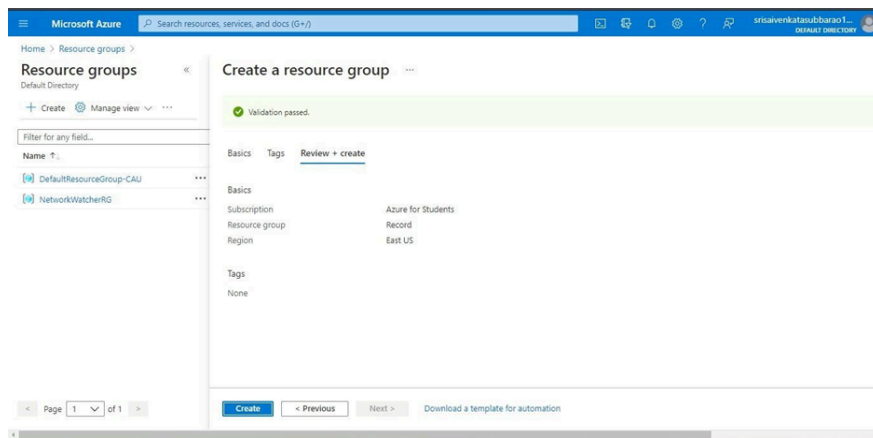
STEP 8: NOW RESIZE THE VIRTUAL MACHINE SIZE.

STEP 9: CREATED A NEW WINDOWS VIRTUAL MACHINE.

#### IMPLEMENTATION:

STEP 1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP 2: GO TO RESOURCE GROUP AND CREATE A RESOURCE GROUP.



STEP 3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

Microsoft Azure Search resources, services, and docs (G+/)

Home > Resource groups >

### Resource groups

Default Directory

+ Create Manage view ...

Filter for any field...

Name ↑

- DefaultResourceGroup-CAU
- NetworkWatcherRG

### 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

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Review + create < Previous Next: Tags >

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### Resource groups

Default Directory

+ Create Manage view ...

Filter for any field...

Name ↑

- DefaultResourceGroup-CAU
- NetworkWatcherRG

### Create a resource group

Basics Tags Review + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name	Value	Resource
	:	Resource group

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Review + create < Previous Next: Review + create >

<https://portal.azure.com/>

STEP 4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .

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### 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.

Name	Subscription	Location
DefaultResourceGroup-CAU	Azure for Students	Australia Central
NetworkWatcherRG	Azure for Students	East US
Record	Azure for Students	East US

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<https://portal.azure.com/#>

STEP 5: NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AN USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.

STEP 6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

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

Deployment

Search (Ctrl+/) Delete Cancel Redeploy Refresh

We'd love your feedback! →

**✓ Your deployment is complete**

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

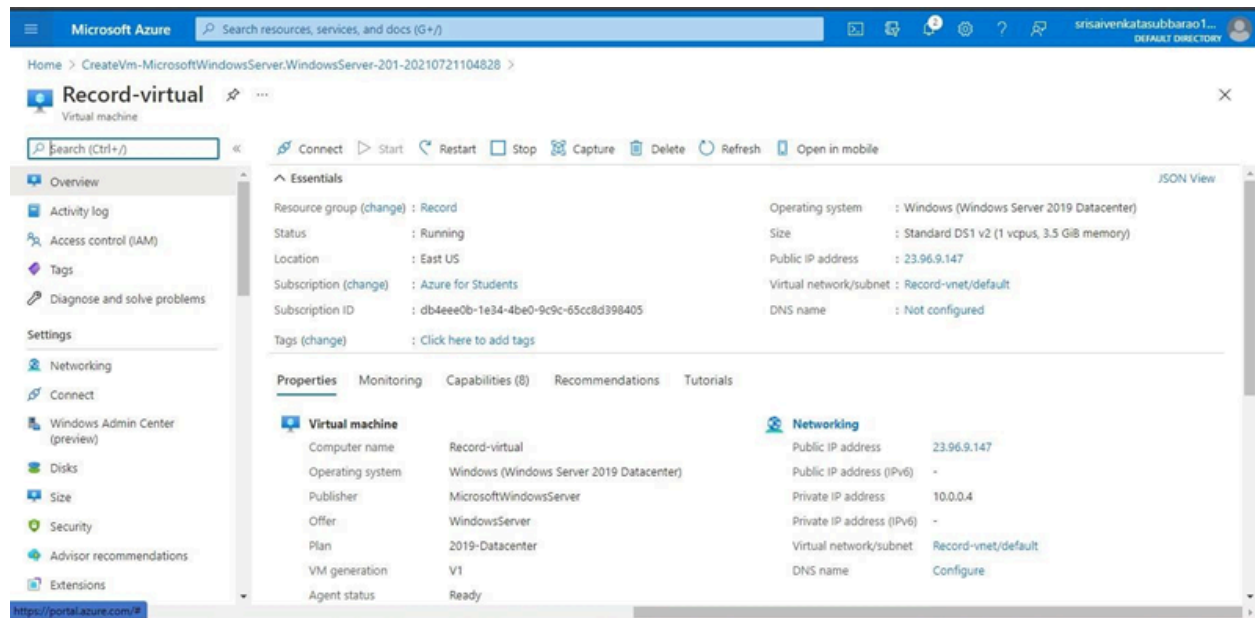
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STEP 7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.



STEP 8: CREATED A NEW WINDOWS VIRTUAL MACHINE.

