LAB MANUAL

CSA1517 - CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HADOOP APPLICATIONS

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EXP 19. 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 GROUPAND CREATE A RESOURCE GROUP.

STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP4: CREATE AVIRTUAL NETWORK FOR TO CREATE AVIRTUALMACHINE .

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS ANUSERNAME AND

PASSWORD FOR YOUR VIRTUAL MACINE.
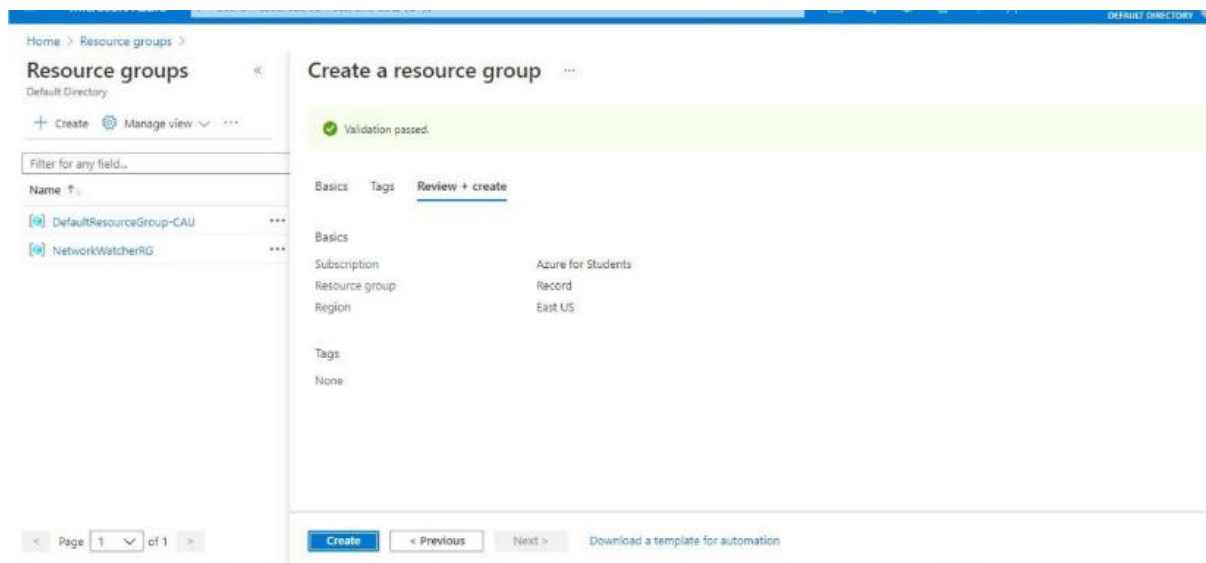
STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

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

WINDOWS VIRTUAL MACHINE.

STEP8: NOW RESIZE THE VIRTUAL MACHINE SIZE.

STEP9: CREATED ANEW 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 >

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 ∨ |

☐ Name ↑	Subscription ↑↓	Location ↑↓	
☐ [◈] DefaultResourceGroup-CAU	Azure for Students	Australia Central	⋯
☐ [◈] NetworkWatcherRG	Azure for Students	East US	⋯
☐ [◈] Record	Azure for Students	East US	⋯

⬢ CreateVm-MicrosoftWindowsServer.WindowsServer-201-20210721104828 | Overview ⚲ ⋯
Deployment   ✕

| ⌕ Search (Ctrl+/) « | 🗑 Delete ⊘ Cancel ⬆ Redeploy ◯ Refresh |

⬥ Overview
⊞ Inputs   ● We'd love your feedback! →
≡ Outputs
🖹 Template   ✓ 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
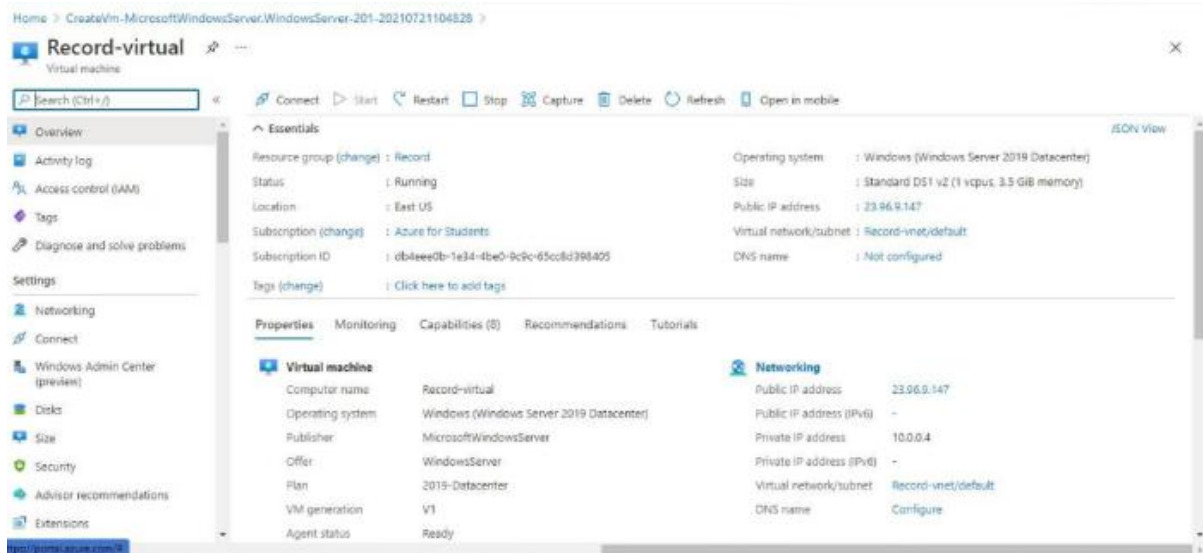
                              [Go to resource]   [Create another VM]

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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.