LAB EXPERIMENTS

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.

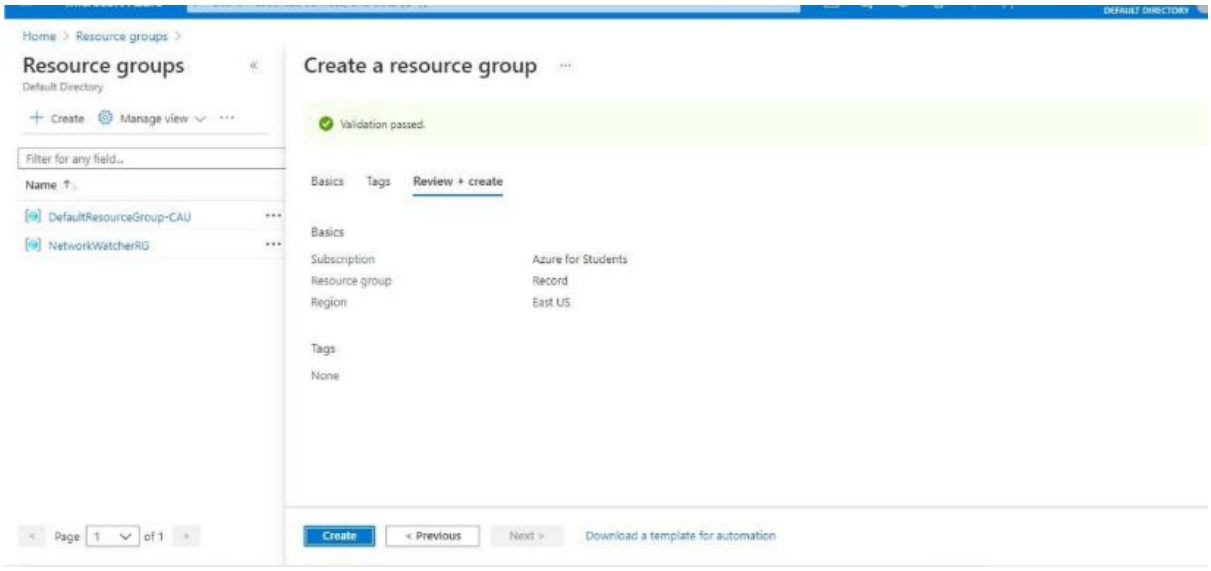
STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILETO OPEN YOUR

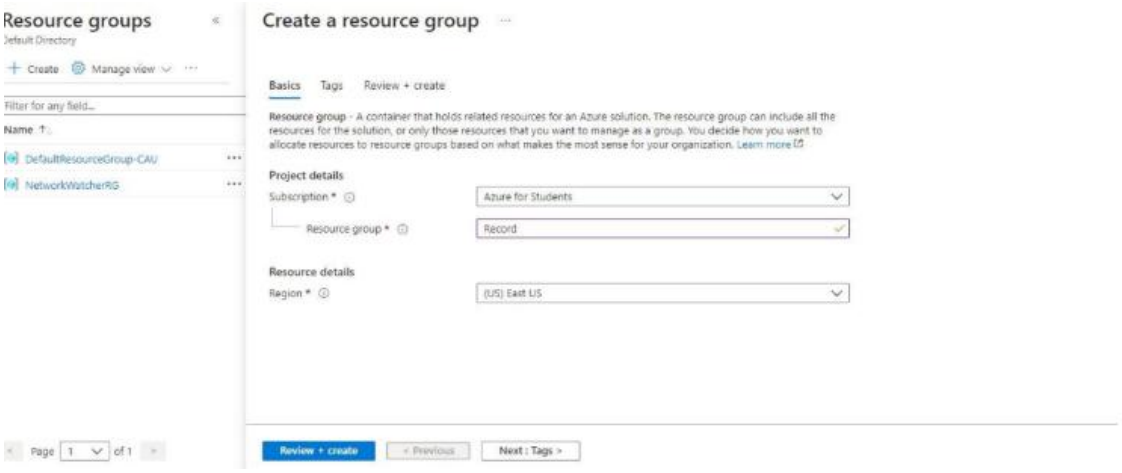
WINDOWS VIRTUAL MACHINE.

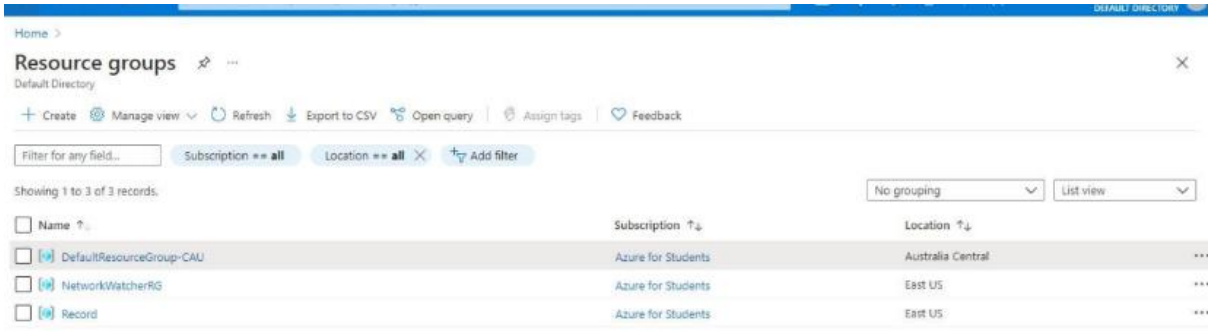
STEP8: NOW RESIZE THE VIRTUAL MACHINE SIZE.

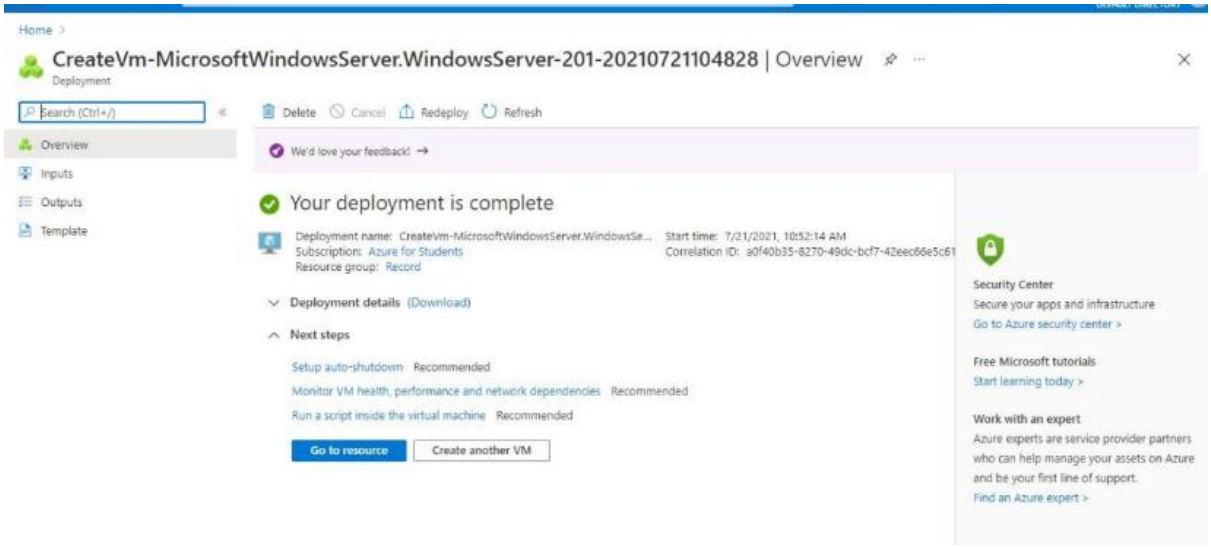
STEP9: CREATED ANEW WINDOWS VIRTUAL MACHINE

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 >


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


Home
CreateVm-MicrosoftWindowsServer.WindowsServer-201-20210721104828 | Overview
Deployment
Search (Ctrl+/)
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Refresh
We'd love your feedback! →
Your deployment is complete
Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...
Subscription: Azure for Students
Resource group: Record
Start time: 7/21/2021, 10:52:14 AM
Correlation ID: a0f40b35-8270-49dc-bcf7-42eec66e5c61
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
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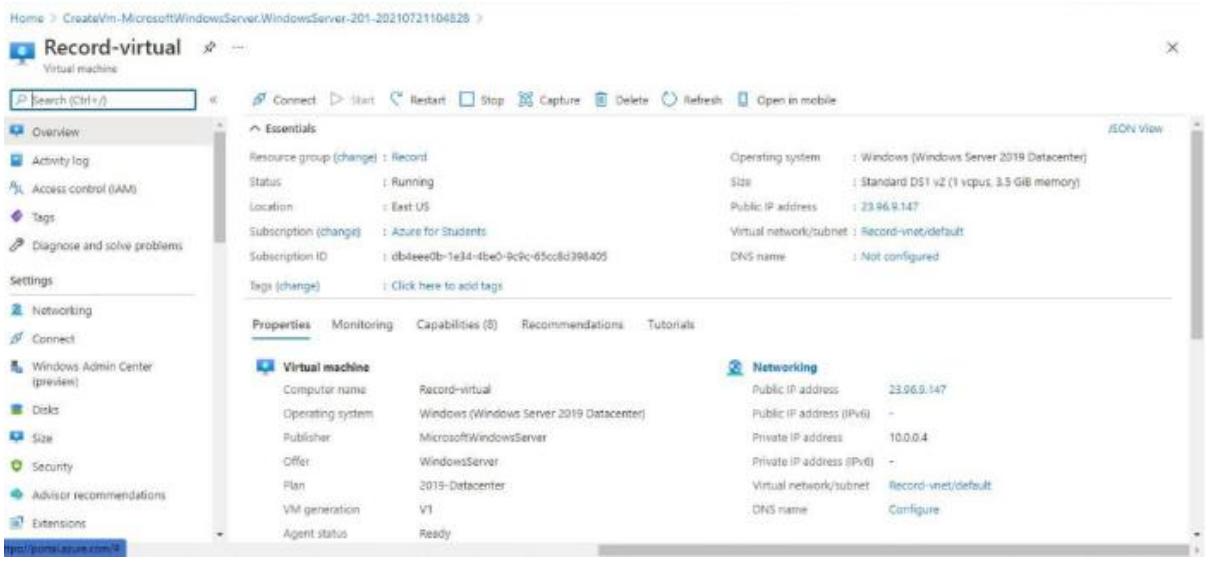

RESULT:

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.