LAB MANUAL

CSA1517 - CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HADOOP APPLICATIONS

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EXP 20. Demonstrate Infrastructure as a Service (IaaS) by establishing the remote connection, launch the created VM image and run in your desktop using Azure.

AIM:

To demonstrate Infrastructure as a Service (IaaS) by establishing the remote connection, launch the created VM image and run in your desktop using Azure.

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 AVIRTUAL NETWORK FOR TO CREATE AVIRTUALMACHINE.

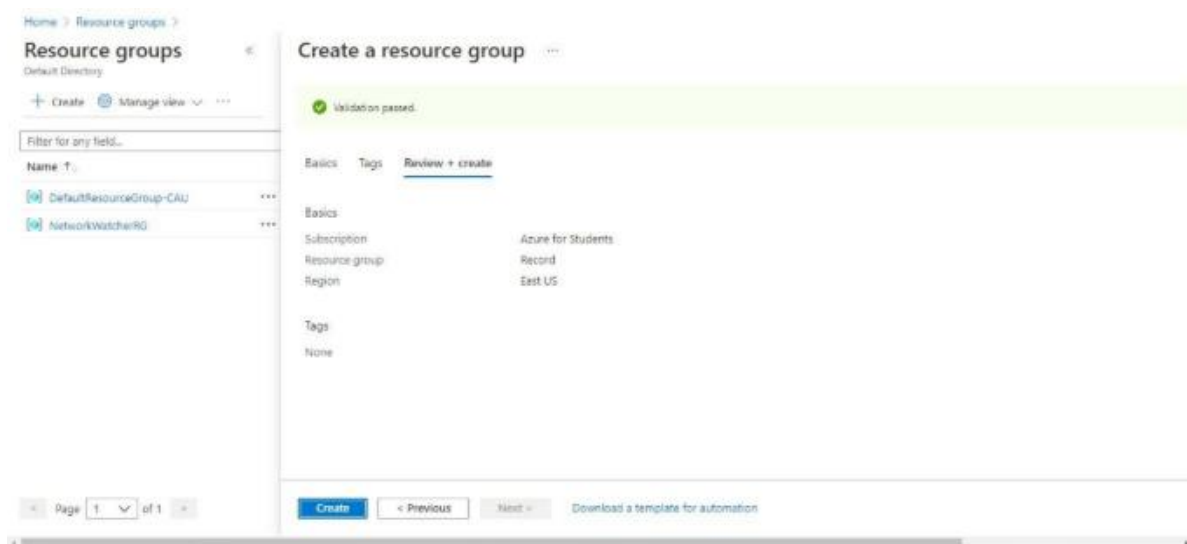STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS ANUSERNAME AND

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: CREATED ANEW WINDOWS VIRTUAL MACHINE

IMPLEMENTATION:

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

« Page [1 ∨] of 1 »

Review + create   < Previous   Next : Review + create >

Resource groups 📌 ···

Default Directory

×

+ Create   ⊙ Manage view ∨   ○ Refresh   ⬇ Export to CSV   ⅗ 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	···

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🖥 Record-virtual 📌 ···

Virtual machine

×

🔍 Search (Ctrl+/)   «

⚡ Connect   ▷ Start   ○ Restart   ☐ Stop   📷 Capture   🗑 Delete   ○ Refresh   📱 Open in mobile

🖥 Overview
📋 Activity log
🔑 Access control (IAM)
🏷 Tags
⚙ Diagnose and solve problems

Settings

🖧 Networking
⚡ Connect
🔧 Windows Admin Center (preview)
💿 Disks
🖥 Size
🔒 Security
☁ Advisor recommendations
🔌 Extensions

∧ Essentials

JSON View

Resource group (change)	: Record	Operating system	: Windows (Windows Server 2019 Datacenter)
Status	: Running	Size	: Standard DS1 v2 (1 vcpus, 3.5 GiB memory)
Location	: East US	Public IP address	: 23.96.8.147
Subscription (change)	: Azure for Students	Virtual network/subnet	: Record-vnet/default
Subscription ID	: db4eee0b-1e34-4be0-9c0c-b0cc80300403	DNS name	: Not configured
Tags (change)	: Click here to add tags		

Properties   Monitoring   Capabilities (3)   Recommendations   Tutorials

🖥 Virtual machine

Computer name	Record-virtual
Operating system	Windows (Windows Server 2019 Datacenter)
Publisher	MicrosoftWindowsServer
Offer	WindowsServer
Plan	2019-Datacenter
VM generation	V1
Agent status	Ready

🔑 Networking

Public IP address	23.96.8.147
Public IP address (IPv6)	-
Private IP address	10.0.2.4
Private IP address (IPv6)	-
Virtual network/subnet	Record-vnet/default
DNS name	Configure

Result:

Infrastructure as a Service (IaaS) by establishing the remote connection, launch the created VM image and run in your desktop using Azure has been demonstrated.