

# **LAB EXPERIMENTS**

**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 A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE.

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS AN USERNAME AND

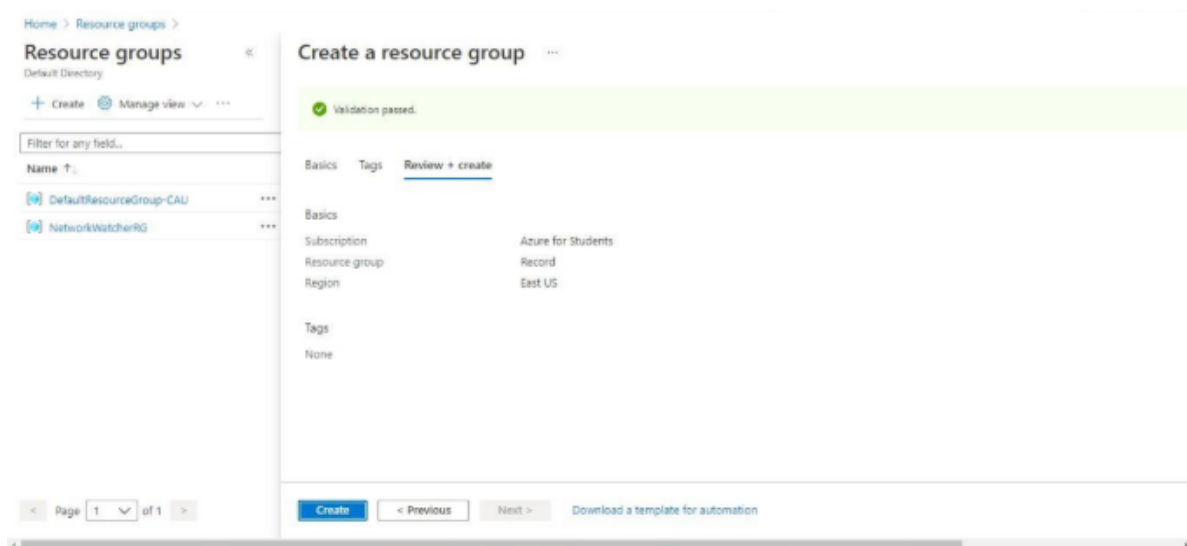
PASSWORD FOR YOUR VIRTUAL MACHINE.

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: CREATED A NEW WINDOWS VIRTUAL MACHINE

### **IMPLEMENTATION:**



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

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

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

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## Record-virtual

Virtual machine

Search (Ctrl+F)

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

Resource group (change) : Record

Status : Running

Location : East US

Subscription (change) : Azure for Students

Subscription ID : db4ee0b-1e34-48e0-9c8c-05c0b3394025

Tags (change) : Click here to add tags

Operating system : Windows (Windows Server 2019 Datacenter)

Size : Standard\_DS3\_v2 (1 vcpus, 3.5 GiB memory)

Public IP address : 23.95.8.147

Virtual network/subnet : Record-vnet/default

DNS name : Not configured

JSON View

Properties Monitoring Capabilities (OS) 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 : 23.95.8.147

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.