

# **LAB MANUAL**

**CSA1517 - CLOUD COMPUTING AND BIG DATA  
ANALYTICS FOR HADOOP APPLICATIONS**

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## **EXP NO: 21. Demonstrate Platform as a Service (PaaS) create and configure a new VM Image in any Public Cloud Service Provider using Azure.**

### **AIM:**

To Demonstrate Platform as a Service (PaaS) create and configure a new VM Image in any Public Cloud Service Provider 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:**

The screenshot shows the Microsoft Azure portal interface for creating a new resource group. On the left, there's a sidebar titled 'Resource groups' with a list of existing groups: 'DefaultResourceGroup-CAU' and 'NetworkWatcherRG'. The main area is titled 'Create a resource group' and has a green validation bar at the top stating 'Validation passed.' It includes tabs for 'Basics', 'Tags', and 'Review + create'. Under 'Basics', the 'Subscription' is set to 'Azure for Students', 'Resource group' to 'Record', and 'Region' to 'East US'. Under 'Tags', it says 'None'. At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and 'Download a template for automation'.

Home > Resource groups >

## Resource groups

Default Directory

+ Create Manage view

Filter for any field...

Name ↑

- [?] DefaultResourceGroup-CAU
- [?] NetworkWatcherRG

Page 1 of 1

[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:

Name ↑	Subscription ↑	Location ↑
[?] DefaultResourceGroup-CAU	Azure for Students	Australia Central
[?] NetworkWatcherRG	Azure for Students	East US
[?] Record	Azure for Students	East US

No grouping List view

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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 Windows Admin Center (preview) Disk Size Security Advisor recommendations Extensions

Essentials

Resource group (change) : Record

Status : Running

Location : East US

Subscription (change) : Azure for Students

Subscription ID : db4eacdb-1e34-4bed-90c0-05cc8d398425

Tags (change) : Click here to add tags

Properties Monitoring Capabilities (beta) 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 : 23.93.3.147

Public IP address (IPv6) : -

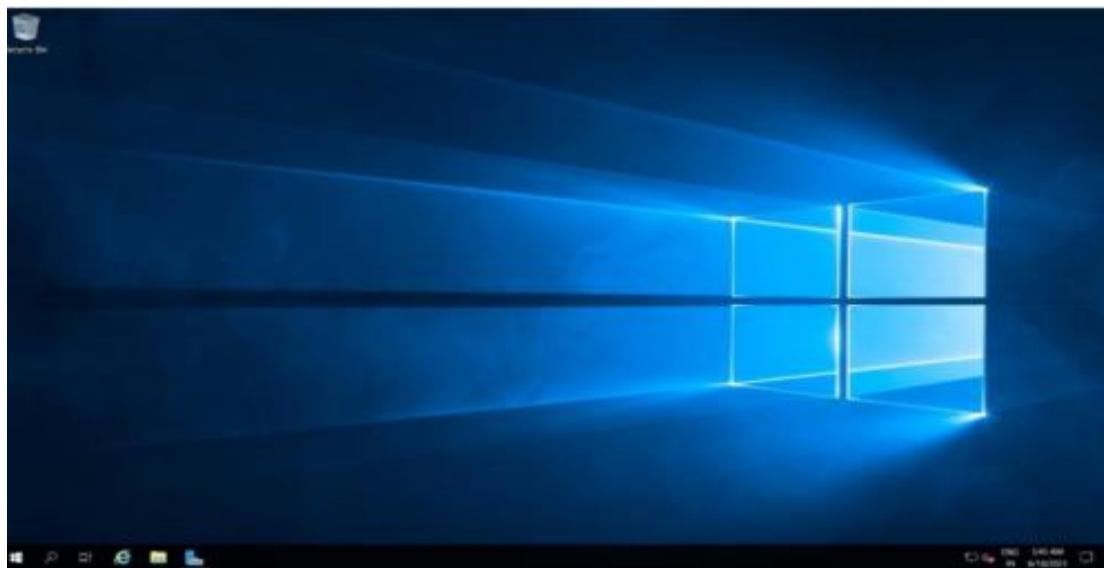
Private IP address : 10.0.2.4

Private IP address (IPv6) : -

Virtual network/subnet : Record-vnet/default

DNS name : Configure

JSON View



### **Result:**

Platform as a Service (PaaS) create and configure a new VM Image in any Public Cloud Service Provider using Azure has been demonstrated.