

1)

i) We have to create a VM for Windows by adding the custom data in the advanced section for Node.js file.

The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a user profile 'nithin.namburi1070'. The main content area displays the details of a virtual machine named 'azureuser'. The left sidebar shows a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Monitoring, Automation, and Help. The 'Overview' tab is selected, showing 'Essentials' and 'Properties' sections. The 'Essentials' section lists details like Resource group (priya), Status (Stopped), Location (Central India), Subscription ID, and Availability zone. The 'Properties' section shows details like Computer name (azureuser), Operating system (Linux), VM generation (V2), and VM architecture (x64). The 'Networking' section shows the Public IP address (20.40.51.122) and Private IP address (10.0.0.4).

ii) Now connect this virtual machine to the putty and switch the user to the root.

iii) now open the bash script and put the below code and run the command “nohup nodejs index.js &”

Code:

```
var express = require('express')

var app = express()

var os = require('os');

app.get('/', function (req, res) {

  res.send('Hello World from host ' + os.hostname() + '!')

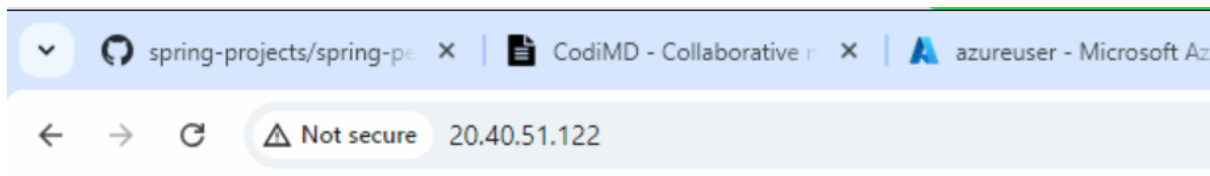
})

app.listen(3000, function () {

  console.log('Hello world app listening on port 3000!')

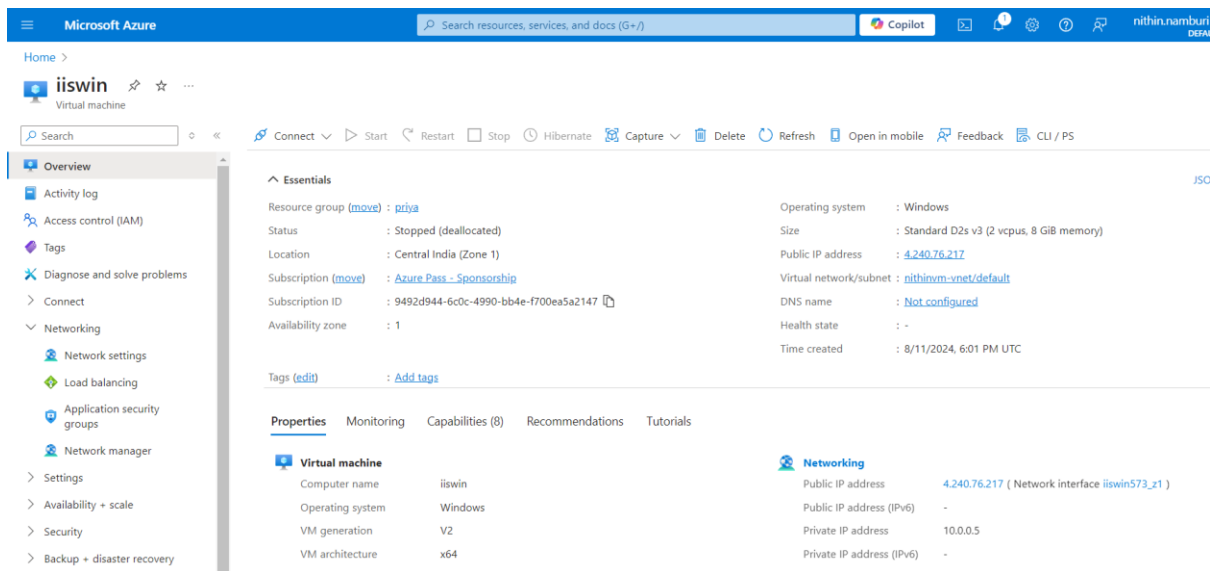
})
```

iv) Now copy the IP Address of the VM and paste it on the browser .



2)

i) Firstly we have to create a resource group and create a VM for windows(iiswin).



ii) Make sure RDP port is open.

iii) Now copy the IP address of the VM and connect to the RDP.

iv) Go to the search panel and type server manager and go to add roles and features and check the box of web server IIS.

v) In azure click the capture option available and create a new Image with the below specifications.

Home > 1.0.0 (nithinsgallery/nithindefi/1.0.0) ☆ ☆ ...
VM image version

Search

+ Create VM + Create VMSS Delete Refresh Give feedback

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
- Automation
- Help

Essentials

Resource group (mouse) : priya
Status : Succeeded
Location : Central India
Subscription (mouse) : Azure Pass - Sponsorship
Subscription ID : 9492d944-6c0c-4990-bb4e-f700ea5a2147

Azure compute gallery : nithinsgallery
VM image definition : nithindefi
Replication status : Completed
Replication mode : Full
Confidential OS disk encryption : -
Encryption type : Platform-managed key
End of life date : -
Exclude from latest : No
Lock deleting Replicated ... : Yes
Storage account type : Standard HDD LRS

Tags (edit) : Add tags

vi) Now click on the create VM option to create another VM.

Home > chand ☆ ☆ ...
Virtual machine

Search

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Connect
- Networking
 - Network settings
 - Load balancing
 - Application security groups
 - Network manager
- Settings
- Availability + scale
- Security
- Backup + disaster recovery
- Operations
- Monitoring

The last operation performed on this VM failed. The VM is still running. View error details →

Operating system : Windows
VM generation : V2
VM architecture : x64
Agent status : Ready
Agent version : 2.7.41491.1131
Hibernation : Disabled
Host group : -
Host : -
Proximity placement group : -
Colocation status : N/A
Capacity reservation group : -
Disk controller type : SCSI

Azure Spot
Azure Spot : -
Azure Spot eviction policy : -

Availability + scaling
Availability zone (edit) : 1

Public IP address (IPv6) : -
Private IP address : 10.0.0.6
Private IP address (IPv6) : -
Virtual network/subnet : nithinvnet/default
DNS name : Configure

Size
Size : Standard D2s v3
vCPUs : 2
RAM : 8 GiB

Source image details
Source image publisher : MicrosoftWindowsServer
Source image offer : WindowsServer
Source image plan : 2022-datacenter-azure-edition-hotpatch
Source image definition : nithindefi

Disk
OS disk : chand_OsDisk_1_ea24515d91aa4794843710328476

vii) Now connect this IP to RDP and check whether IIS is connected or not.

spring-projects/spring-p... CodiMD - Collaborative... chand - Microsoft Azure Add a folder - communit... IIS Windows Server

Not secure 20.244.33.84

Windows Server

Internet Information Services

Welcome Bienvenue Tervetuloa

ようこそ Benvenuto 歡迎

Bem-vindo

Bienvenido Hoş geldiniz ברוכים הבאים Welkom

Vítejte Καλώς ορίσαστε Välkommen 환영합니다 Добро пожаловать Üdvözlünk

مرحبا 欢迎

microsoft.com/fwlink/?linkid=66138&clcid=0x409