



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**Principles of Cloud Computing**  
**CSE3035**

***Lab Assignment 4-***

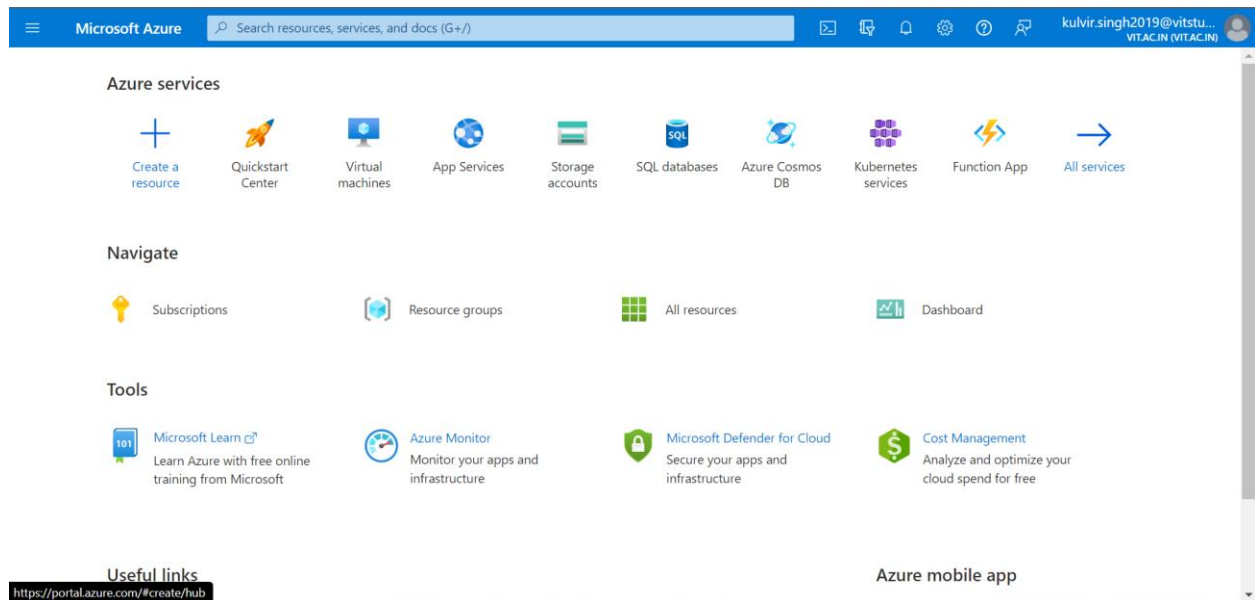
**Setup a Windows Virtual Machine using Microsoft  
Azure**

Slot : L11+L12

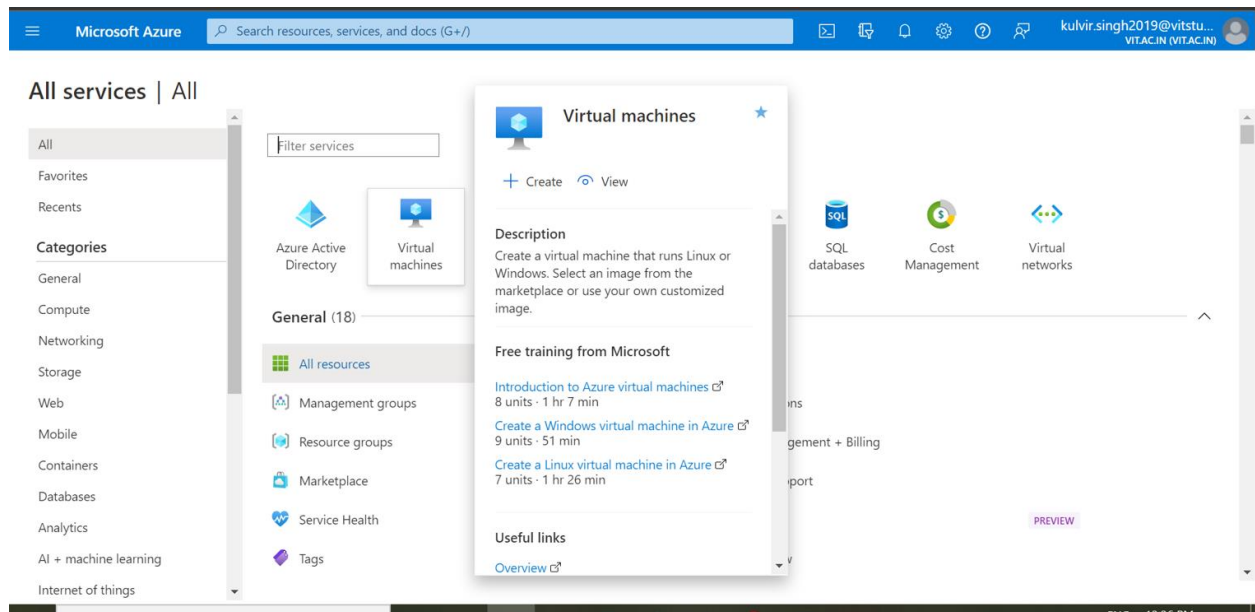
Name : Kulvir Singh

Register Number : 19BCE2074

## After successful login, go to Azure Dashboard



## Go to **Services** and select **Virtual Machines**



In virtual machines page, select create and then virtual machine page which opens this page

Microsoft Azure Search resources, services, and docs (G+/I)

All services > Virtual machines >

### Virtual machines

vit.ac.in (vit.ac.in)

+ Create Switch to classic

Filter for any field...

Name ↑↓ Subscription ↑↓

No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

[Learn more about Windows virtual machines](#)

[Learn more about Linux virtual machines](#)

### Create a virtual machine

Basics Disks Networking Management Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Azure for Students

Resource group \* (New) Resource group [Create new](#)

#### Instance details

Virtual machine name \*

[Review + create](#) < Previous Next : Disks >

Create a new resource group - <myResourceGroup>

Microsoft Azure Search resources, services, and docs (G+/I)

All services > Virtual machines >

### Virtual machines

vit.ac.in (vit.ac.in)

+ Create Switch to classic

Filter for any field...

Name ↑↓ Subscription ↑↓

No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

[Learn more about Windows virtual machines](#)

[Learn more about Linux virtual machines](#)

### Create a virtual machine

Basics Disks Networking Management Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Azure for Students

Resource group \* (New) myResourceGroup [Create new](#)

#### Instance details

Virtual machine name \*

[Review + create](#) < Previous Next : Disks >

**Under Instance details, type myVM for the Virtual machine name and choose Windows Server 2019 Datacenter - Gen2 for the Image. Leave the other defaults.**

Microsoft Azure | Search resources, services, and docs (G+)

All services > Virtual machines >

Virtual machines  
vitac.in (vitac.in)

+ Create | Switch to classic

Filter for any field...

Name ↑ | Subscription ↓

No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

Learn more about Windows virtual machines | Learn more about Linux virtual machines

### Create a virtual machine

**Instance details**

Virtual machine name \*

Region \*

Availability options

Security type

Image \*   
[See all images](#) | [Configure VM generation](#)

Azure Spot instance ☐

Size \*   
[See all sizes](#)

**Administrator account**

Username \*

Password \*

Confirm password \*

**Inbound port rules**

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports \* ☐ None ☒ Allow selected ports

[Review + create](#) | < Previous | Next : Disks >

Username cannot contain special characters \"/":[]<>+;,?\*@& or end with '.'  
Usernames must not include reserved words.  
The value is in between 1 and 20 characters long.

**Under Administrator account, provide a username, such as azureuser and a password**

Microsoft Azure | Search resources, services, and docs (G+)

All services > Virtual machines >

Virtual machines  
vitac.in (vitac.in)

+ Create | Switch to classic

Filter for any field...

Name ↑ | Subscription ↓

No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

Learn more about Windows virtual machines | Learn more about Linux virtual machines

### Create a virtual machine

Size \*   
[See all sizes](#)

**Administrator account**

Username \*

Password \*

Confirm password \*

**Inbound port rules**

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports \* ☐ None ☒ Allow selected ports

[Review + create](#) | < Previous | Next : Disks >

Microsoft Azure portal screenshot showing the "Create a virtual machine" wizard. The left sidebar shows "Virtual machines" and "No virtual machines to display". The main content area shows the "Create a virtual machine" steps: "Public inbound ports" (set to "Allow selected ports" with "HTTP (80), RDP (3389)" selected), "Licensing" (set to "Would you like to use an existing Windows Server license?"), and "Review Azure hybrid benefit compliance". The bottom navigation bar shows "Review + create", "< Previous", and "Next : Disks >".

Microsoft Azure

Search resources, services, and docs (G+)

kulvir.singh2019@vitstu...  
VITAC.IN (VITAC.IN)

All services >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20220301123013 | Overview

✦ ...

✕

Deployment

Search (Ctrl+/)

«

Delete
 Cancel
 Redeploy
 Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...
 Subscription: [Azure for Students](#)
 Resource group: [myResourceGroup](#)

Start time: 3/1/2022, 12:32:19 PM  
 Correlation ID: dcb9c63a-803a-4daf-84a3-ff43a2...

▼ 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

Microsoft Defender for Cloud

Secure your apps and infrastruc...

Go to Microsoft Defender for Cl...

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provide...

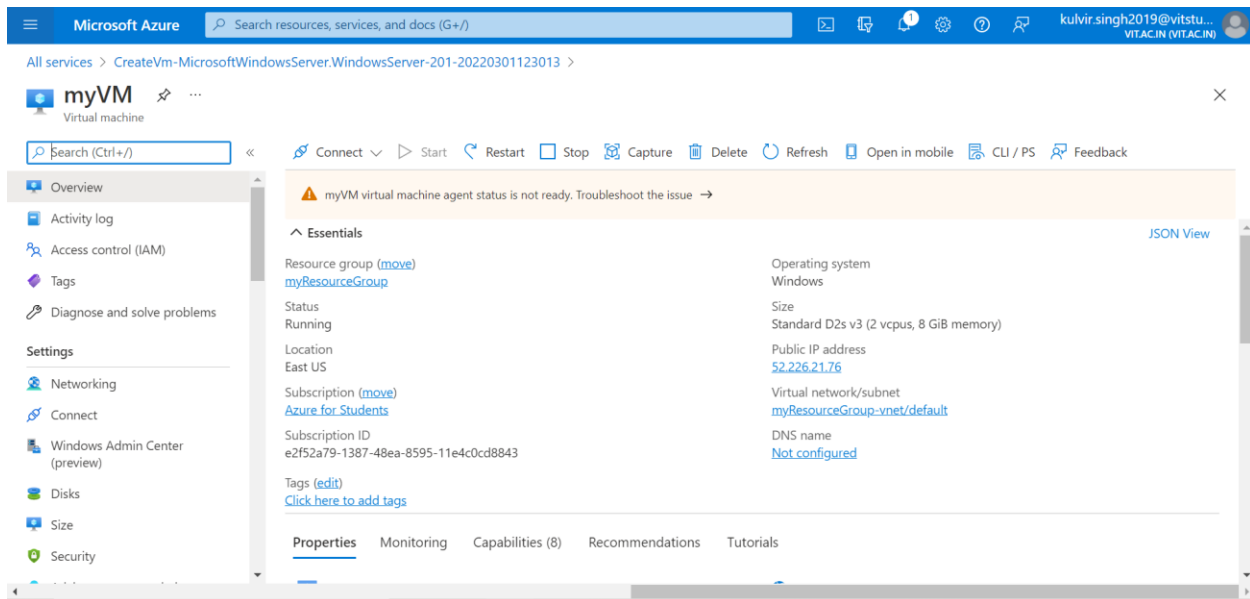
who can help manage your asset...

and be your first line of support.

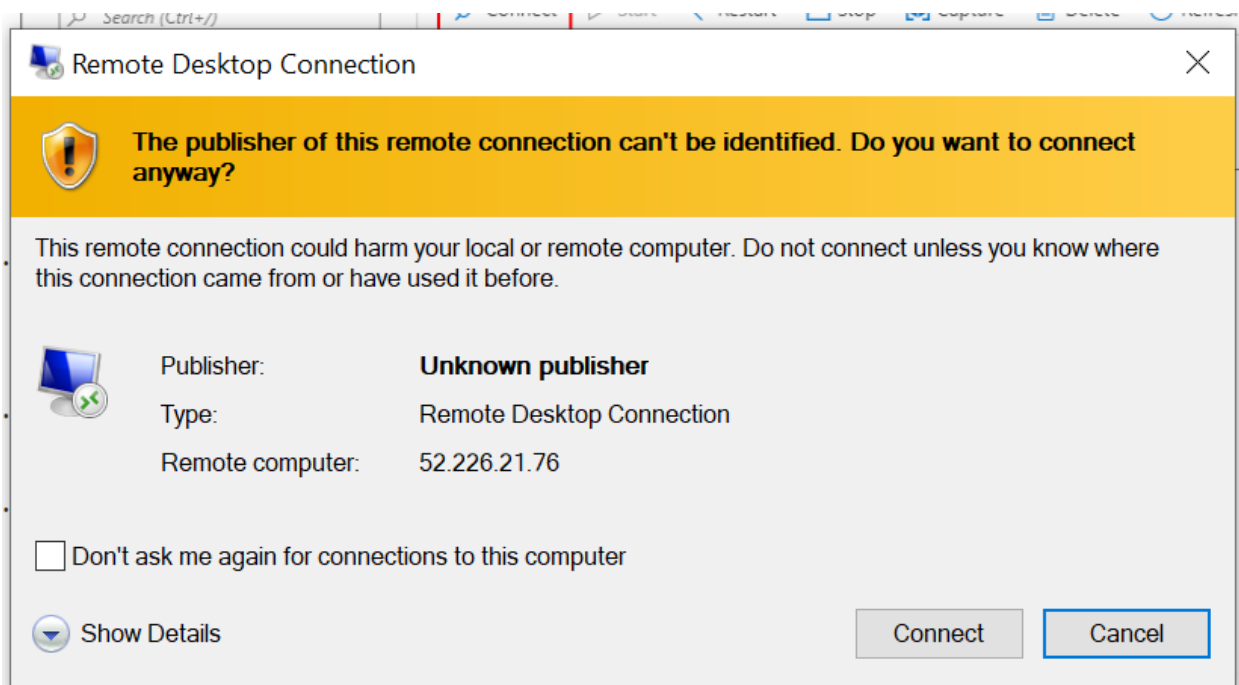
Find an Azure expert >

## Connect to Virtual Machine

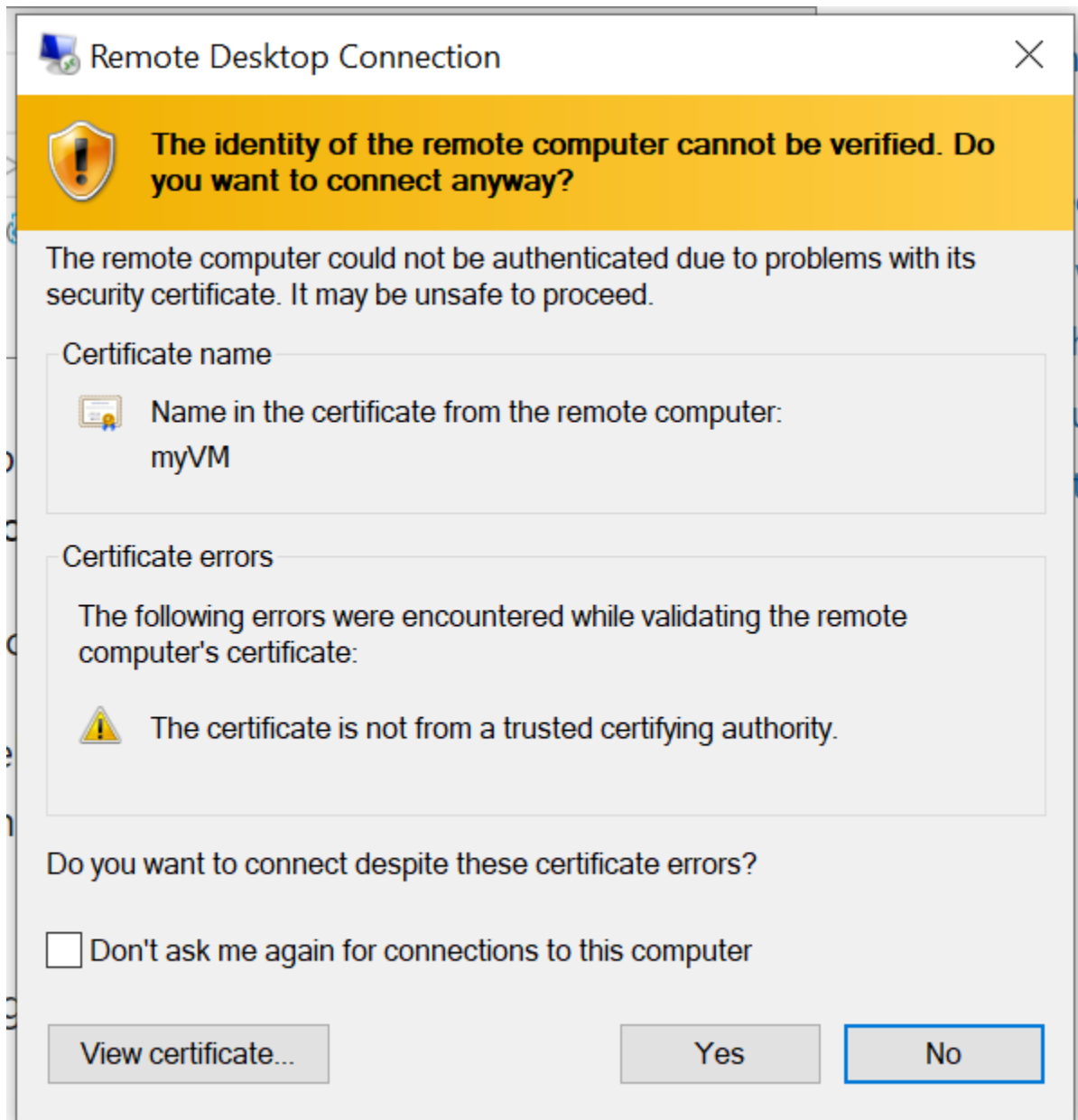
On the overview page for your virtual machine, select the Connect > RDP.



We download the RDP file and open it

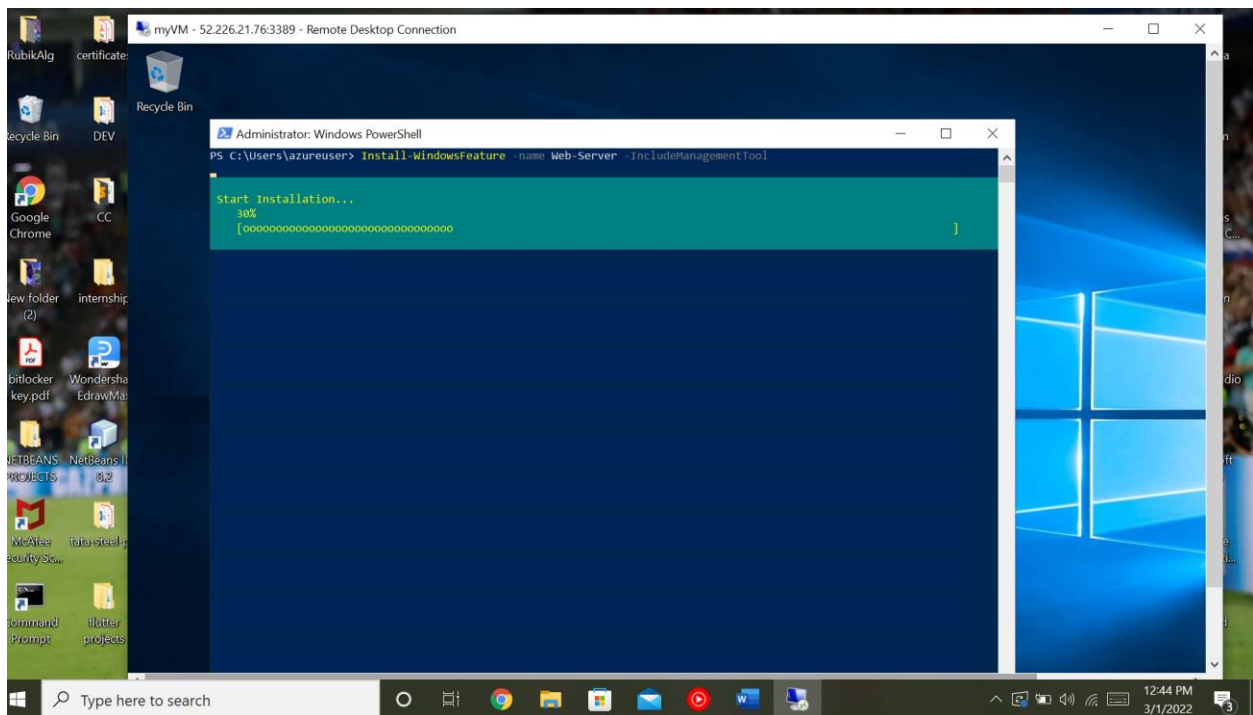
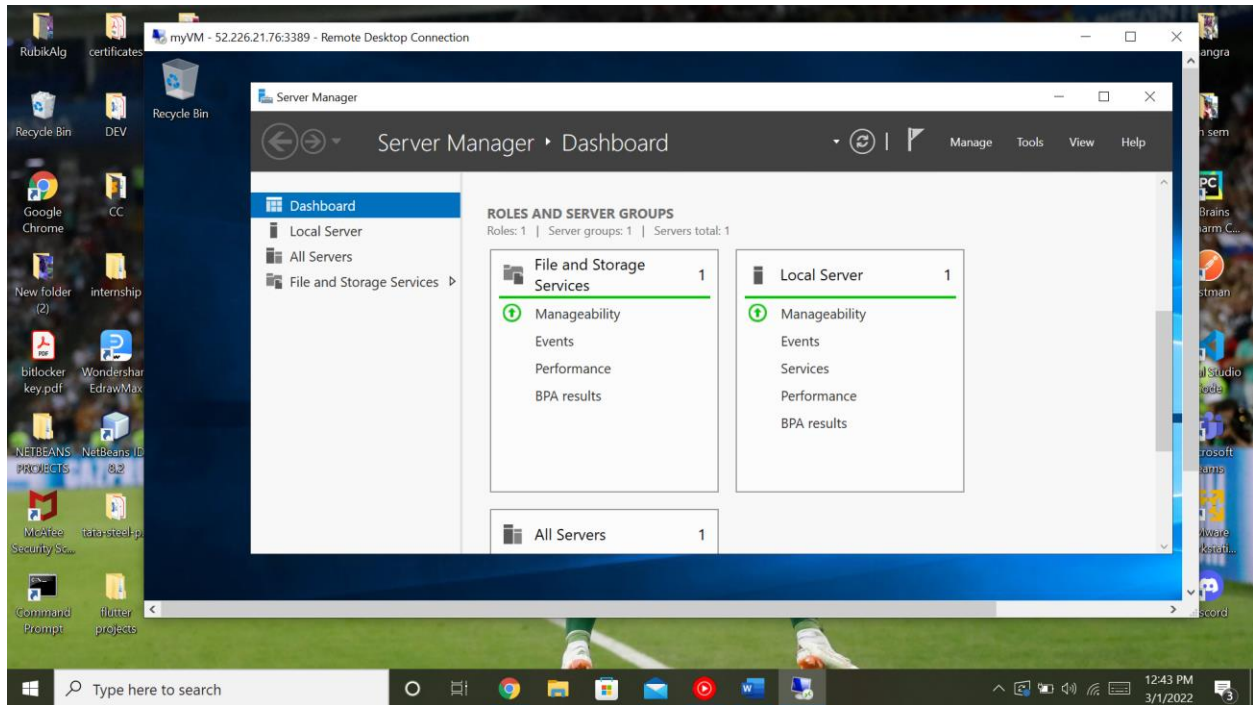


We create the remote identity to access the VM



## Install web server

To see your VM in action, install the IIS web server. Open a PowerShell prompt on the VM and run the following command: `Install-WindowsFeature -name Web-Server -IncludeManagementTools`





## *View the IIS welcome page*

**In the portal, select the VM and in the overview of the VM, hover over the IP address. Copy the IP address and paste it into a browser tab. The default IIS welcome page will open, and should look like this:**

