

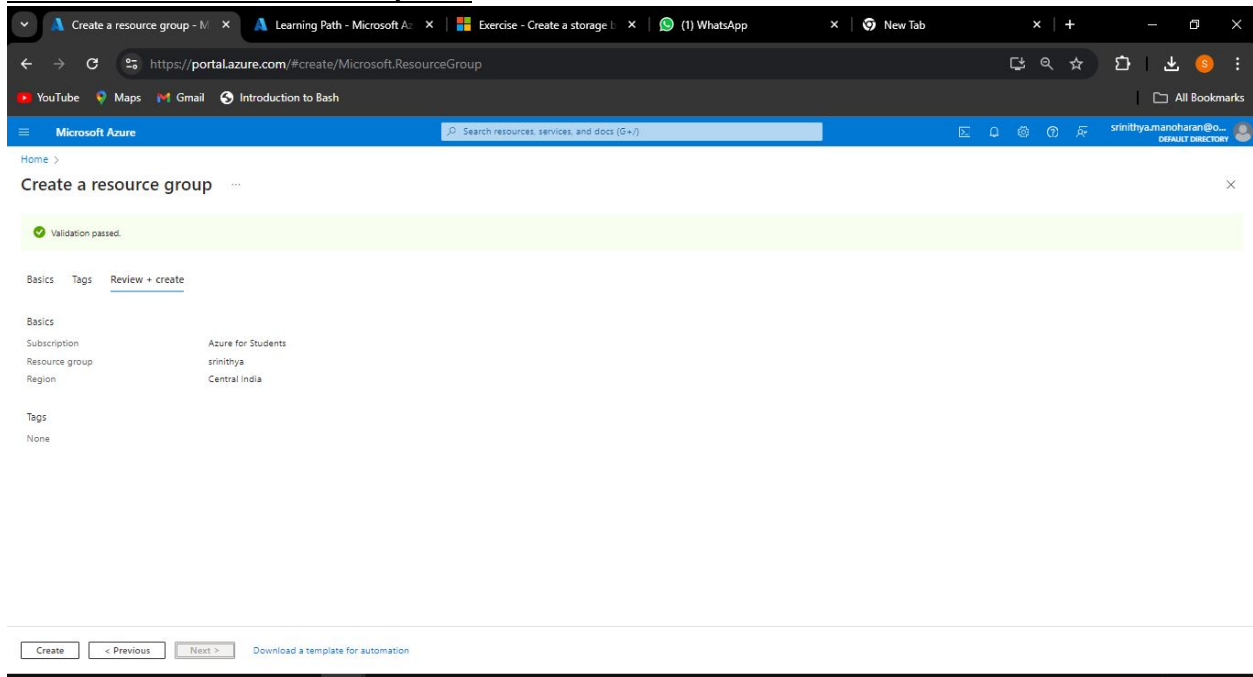
# **MICROSOFT AZURE FUNDAMENTALS**

## **REPORT ON**

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<b><u>Date</u></b>	<b><u>10.08.2024</u></b>

# 1.Sandbox :

## Virtual machine output:



## Commands:

### [connecting azure]

az vm create

```
--resource-group "rg"
--name my-vm --public-ip-sku Standard
--image Ubuntu2204
--admin-username azureuser
--generate-ssh-keys
```

az vm extension set

```
--resource-group "rg"
--vm-name my-vm --name customScript
--publisher Microsoft.Azure.Extensions
--version 2.1
--settings '{"fileUri":["https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"]}'
--protected-settings '{"commandToExecute": "./configure-nginx.sh"}
```

## [Configuring Network]

az vm list

```
IPADDRESS=$(az vm list-ip-addresses  
  --resource-group "[sandbox resource group name]"  
  --name my-vm  
  --query "[].virtualMachine.network.publicIpAddresses[*].ipAddress"  
  --output tsv)
```

curl

```
--connect-timeout 5 https://20.59.104.76
```

az network nsg list

```
--resource-group "[sandbox resource group name]"  
--query '[] .name' --output tsv
```

az network nsg list

```
--resource-group "[sandbox resource group name]"  
--query '[] .name' --output tsv
```

az network nsg rule list

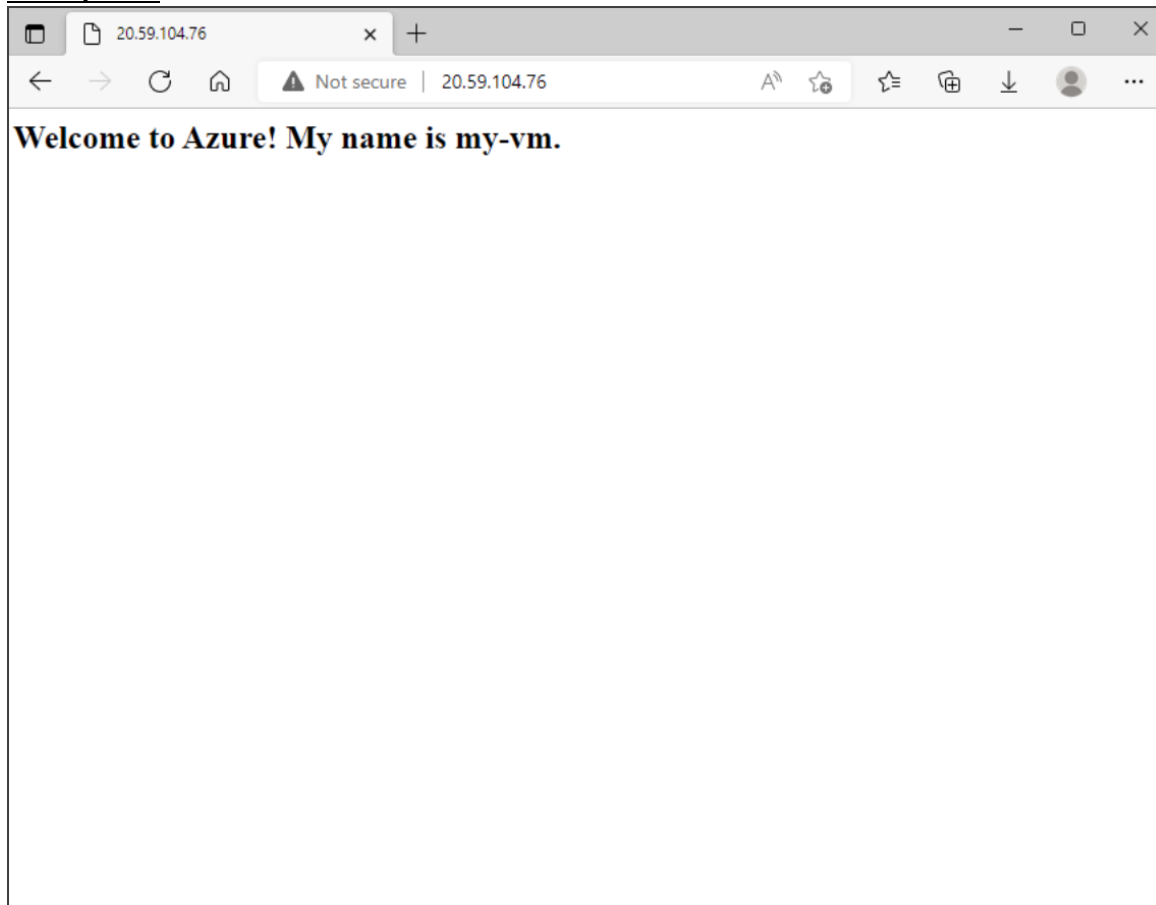
```
--resource-group "[sandbox resource group name]"  
--nsg-name my-vmNSG
```

az network nsg rule create

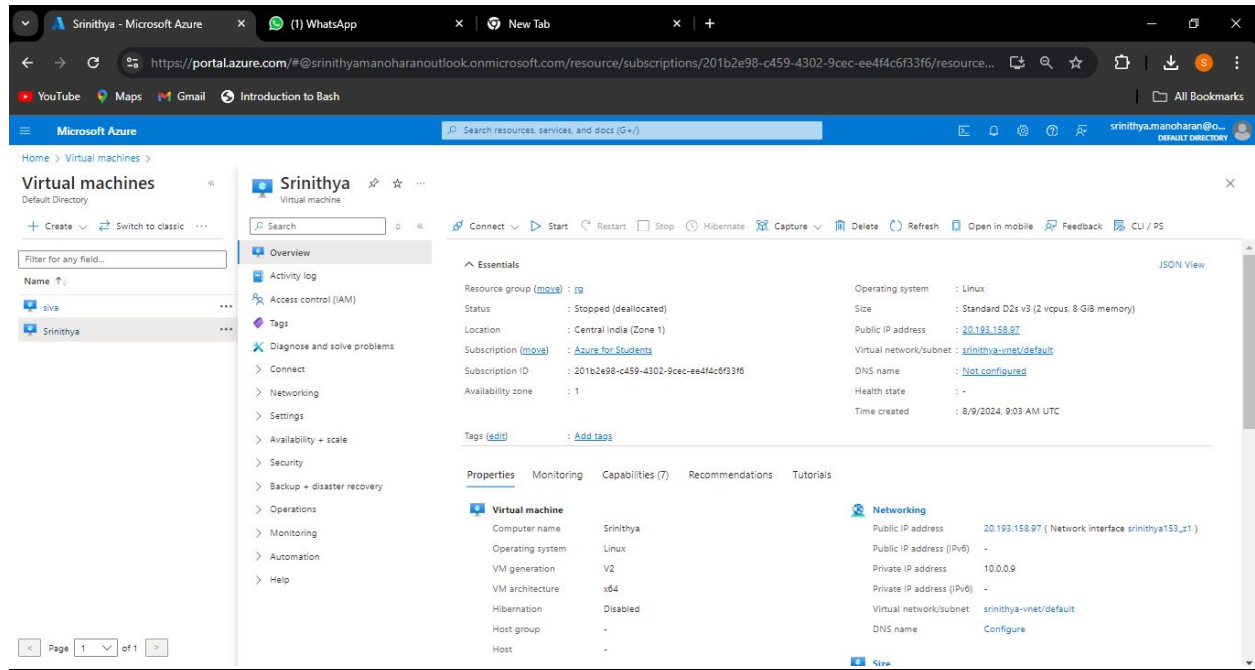
```
--resource-group "[sandbox resource group name]"  
--nsg-name my-vmNSG  
--name allow-http  
--protocol tcp  
--priority 100  
--destination-port-range 80  
--access Allow
```

curl --connect-timeout 5 http://20.59.104.76

## Output:



## 2.Virtual Machine:

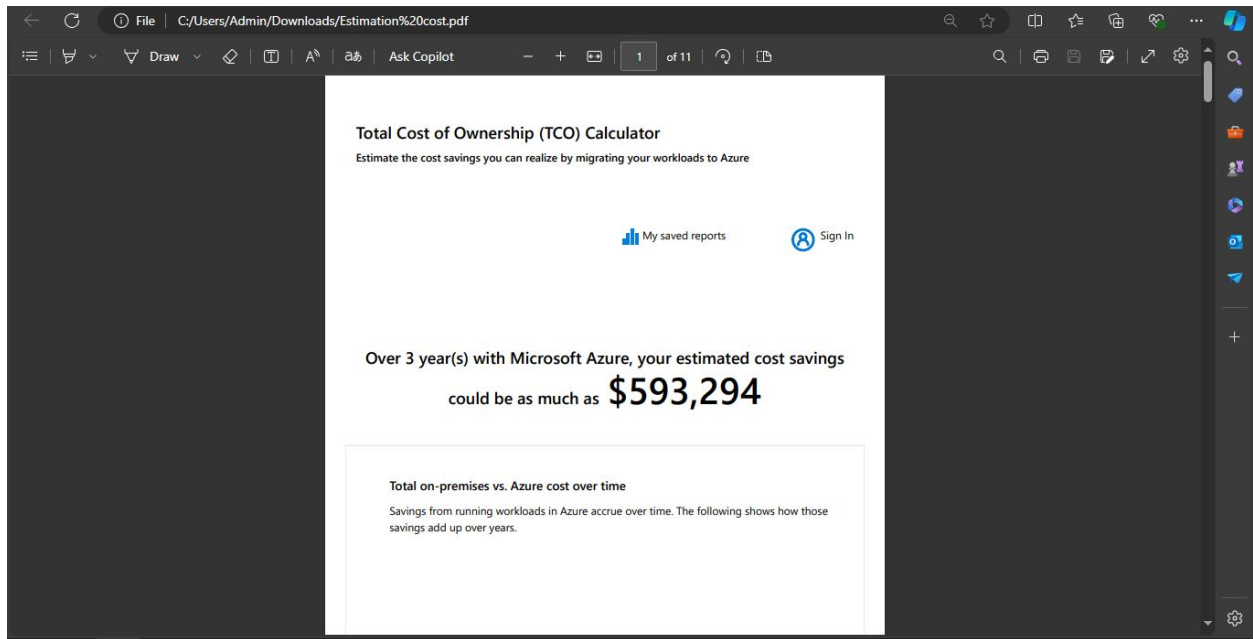


## Commands:

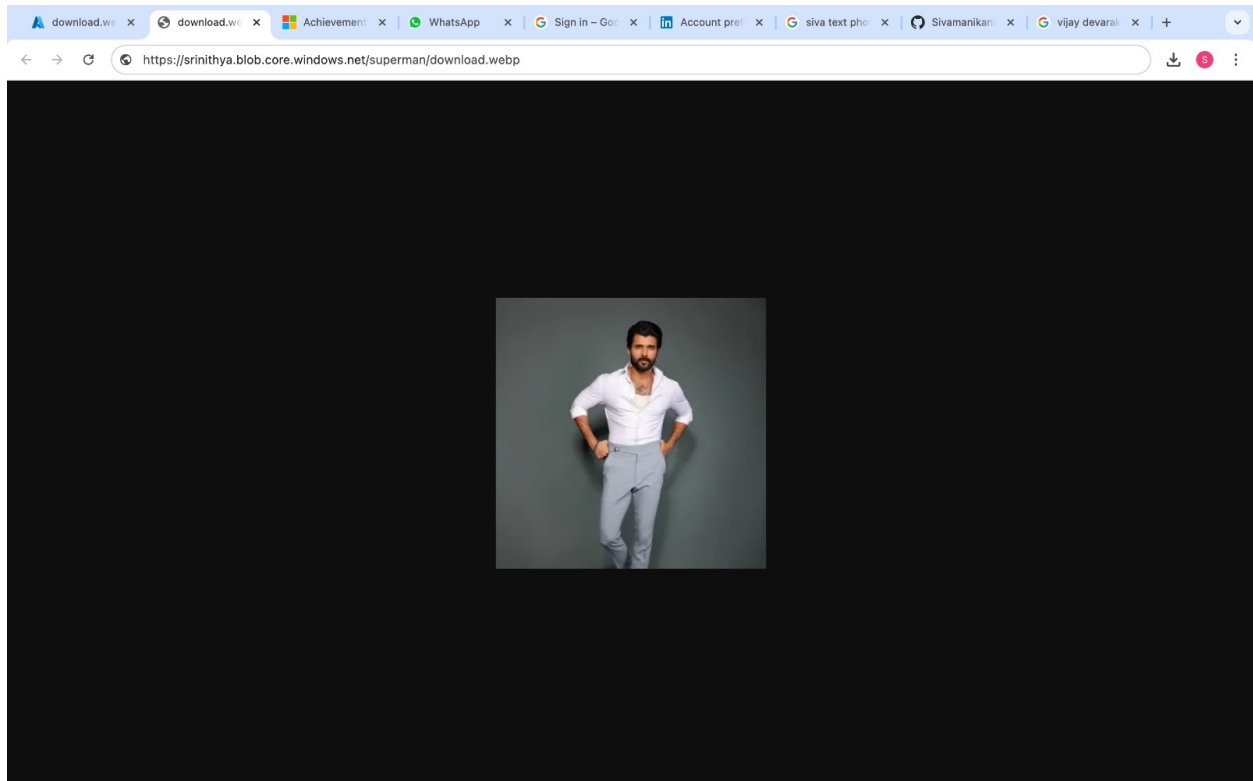
```
ssh username@ipaddress
sudo apt update
sudo apt install git
sudo apt install nginx
sudo systemctl start nginx
sudo systemctl enable nginx
cd /var/www/html
sudo rm -rf *
sudo git clone https://github.com/Srinithya-S/sri.git .
sudo chown -R www-data:www-data /var/www/html
```



## Total cost calculator:



## Blob:



# Microsoft learn Badges

