

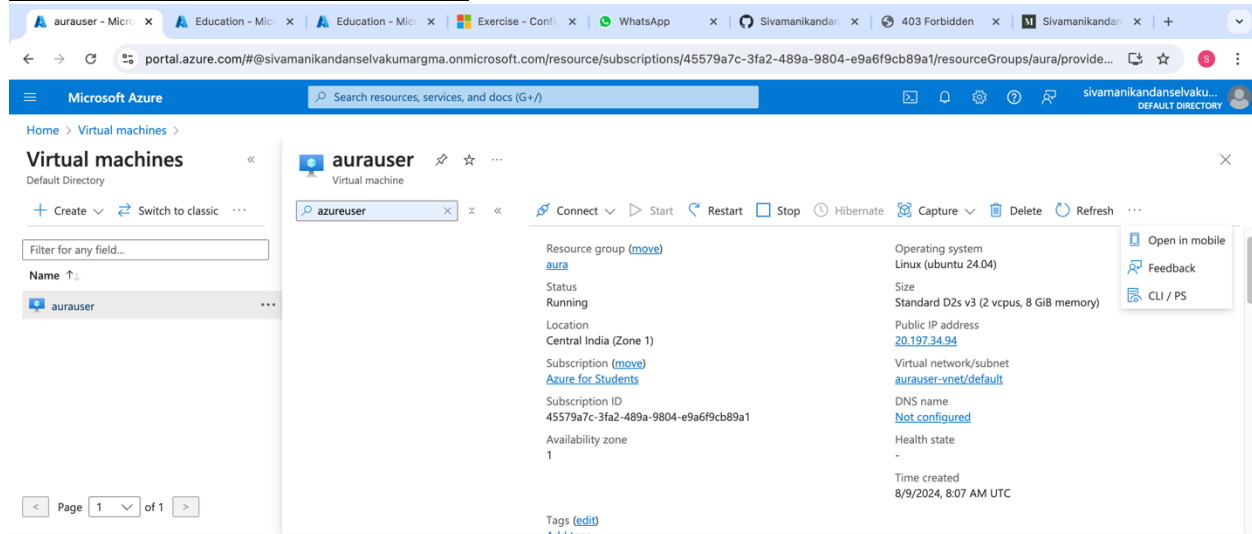
MICROSOFT AZURE FUNDAMENTALS

REPORT ON

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

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

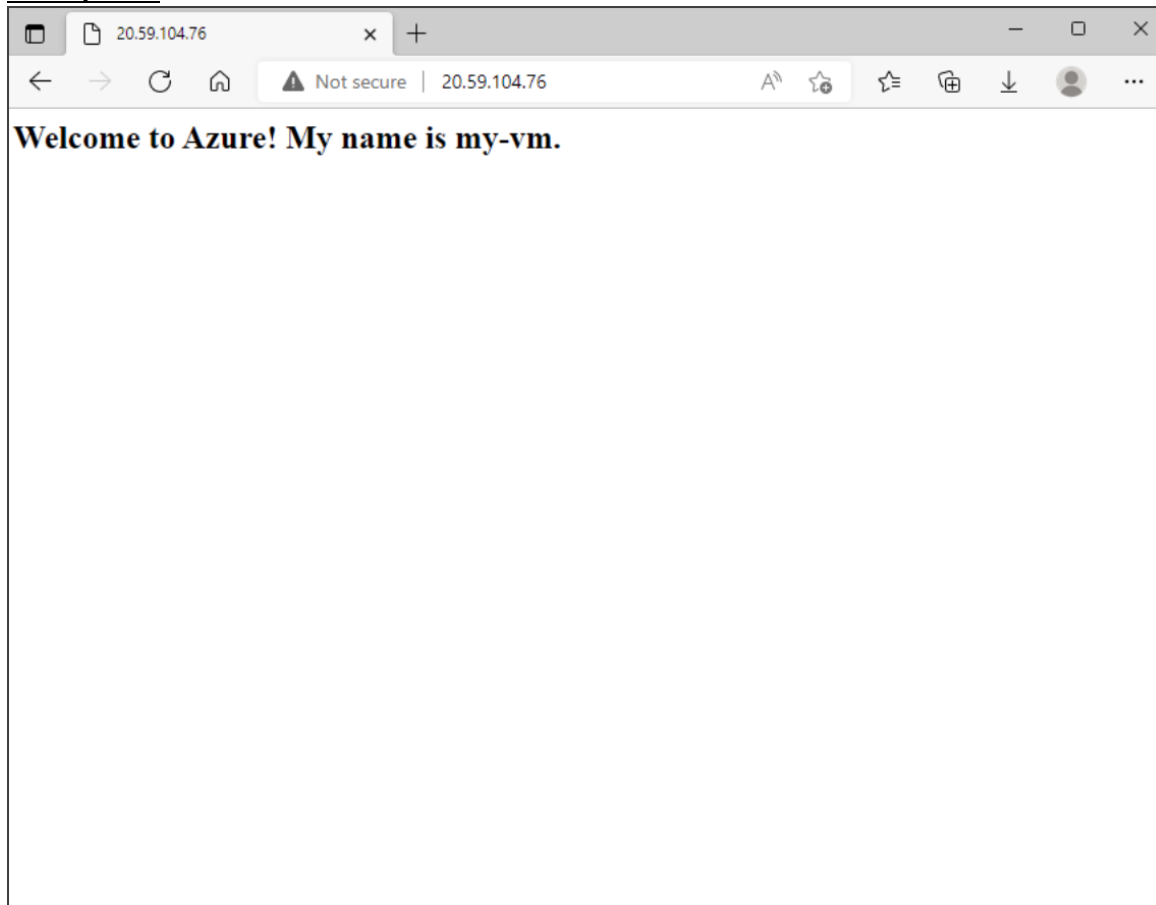
```
--resource-group "[sandbox resource group name]"
--nsg-name my-vmNSG
```

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
```

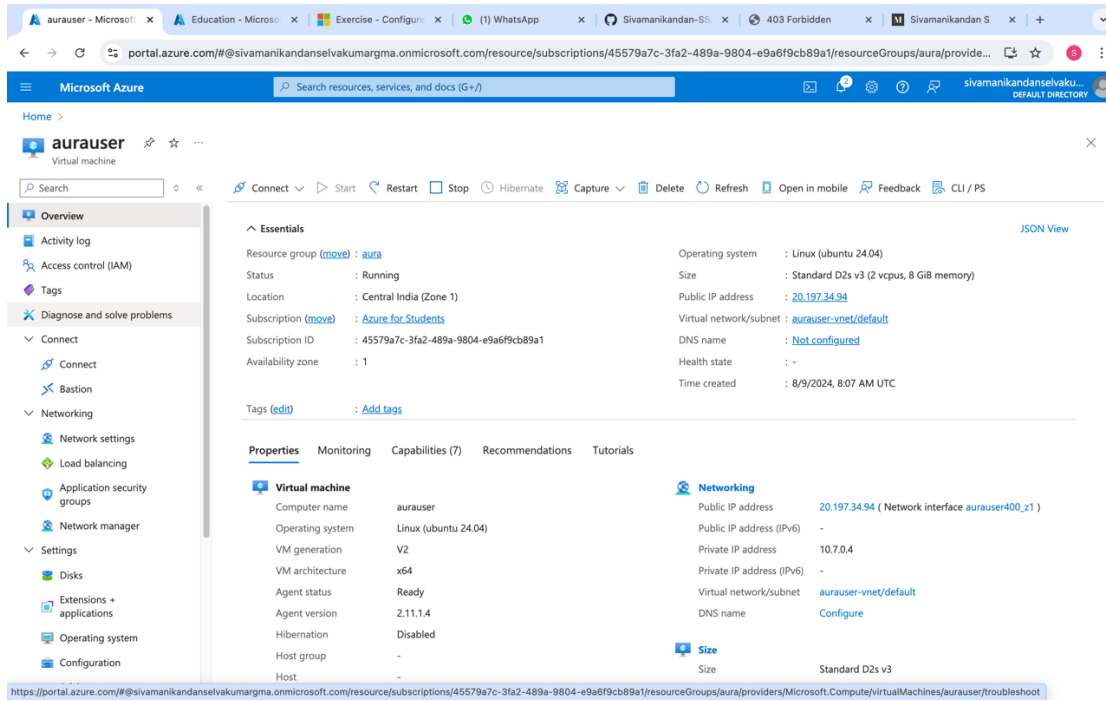
curl --connect-timeout 5 http://20.59.104.76

Output:



2.Virtual Machine:

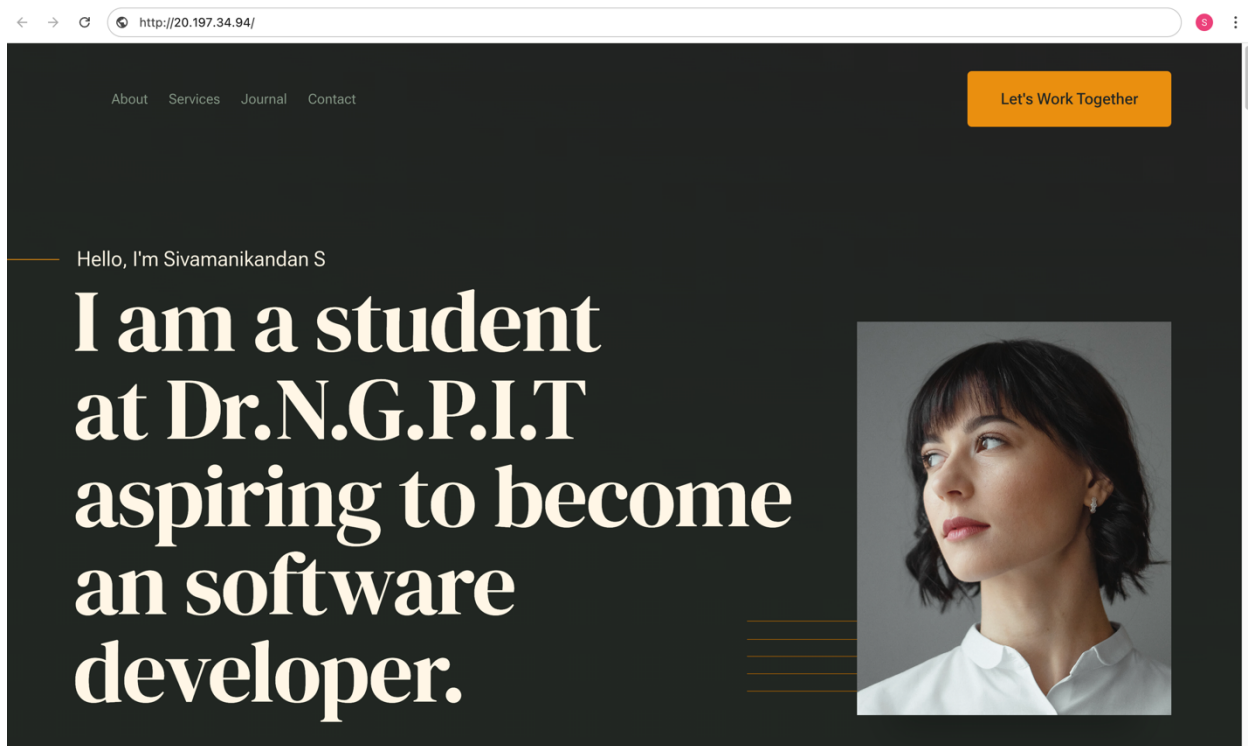
2.Virtual Machine:



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/Sivamanikandan-SS/sri.git .
sudo chown -R www-data:www-data /var/www/html
```

Output:

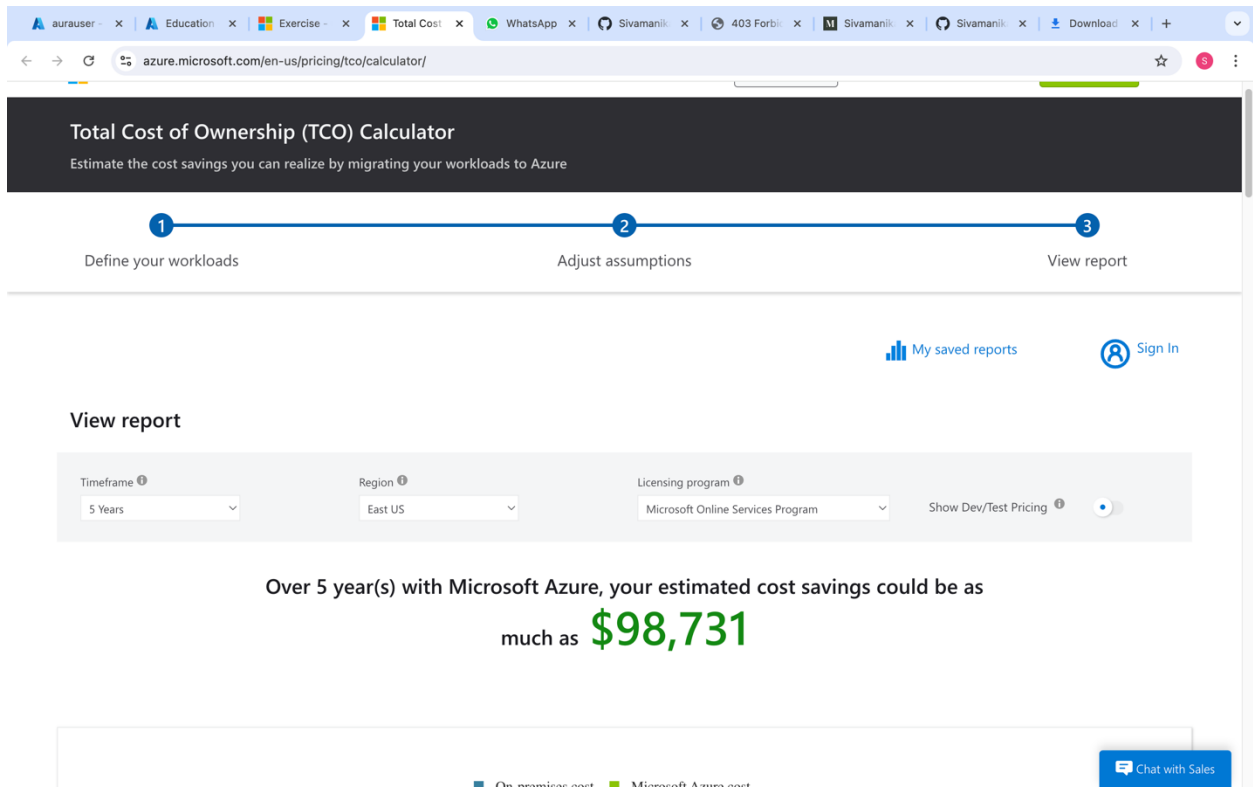


Cost Management:

A screenshot of an Excel spreadsheet titled "Microsoft Azure Estimate". The spreadsheet is organized into columns for "Service category", "Service type", "Custom name", "Region", "Description", "Estimated monthly cost", and "Estimated upfront cost". The data includes a row for "Compute" (Virtual Machines) in the "East US" region, with a description of "1 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as you go), Windows (License included), OS Only, 0 managed disks - S4; Inter Region transfer type, 5 GB outbound data transfer from East US to East Asia". The estimated monthly cost is \$137.24 and the estimated upfront cost is \$0.00. Other rows include "Support", "Licensing Program", "Billing Account", and "Billing Profile", all with a cost of \$0.00. A "Total" row shows a monthly cost of \$137.24 and an upfront cost of \$0.00. A disclaimer at the bottom states: "All prices shown are in United States - Dollar (\$) USD. This is a summary estimate, not a quote. For up to date pricing information please visit https://azure.microsoft.com/pricing/calculator/. This estimate was created at 8/9/2024 4:04:35 AM UTC."

Service category	Service type	Custom name	Region	Description	Estimated monthly cost	Estimated upfront cost
Compute	Virtual Machines		East US	1 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as you go), Windows (License included), OS Only, 0 managed disks - S4; Inter Region transfer type, 5 GB outbound data transfer from East US to East Asia	\$137.24	\$0.00
Support			Support	Microsoft Customer Agreement (MCA)	\$0.00	\$0.00
			Licensing Program			
			Billing Account			
			Billing Profile			
			Total		\$137.24	\$0.00

Total cost calculator:



Blob:



Microsoft learn Badges

