#### **MICROSOFT AZURE**

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DEPARTMENT: B.tech COMPUTER SCIENCE AND BUSINESS

**SYSTEMS** 

#### **GITHUB LINK:**

https://github.com/SOWMIYA2810/webdevelop.git

## REQUESTING A CLOUD SHELL SUCCEEDED. CONNECTING TERMINAL...

#### Welcome to Azure Cloud Shell

#### **SANDBOX:**

- az vm create --resource-group
   "learn-1dd151f8-37c6-44cc-a975-8f08e65c30c2" --name my-vm
   --public-ip-sku Standard --image Ubuntu2204 --admin-username
   azureuser --generate-ssh-keys
- az vm extension set --resource-group
   "learn-1dd151f8-37c6-44cc-a975-8f08e65c30c2" --vm-name my-vm
   --name customScript --publisher Microsoft.Azure.Extensions --version
   2.1 --settings
   '{"fileUris":["https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"]}' --protected-settings
   '{"commandToExecute": "./configure-nginx.sh"}'
- •
- sudo apt-get update
- ssh azureuser@98.70.112.108
- echo "sudo apt-get update -y
- sudo apt-get install nginx -y
- sudo systemetl start nginx
- sudo systemctl enable nginx" > setup nginx.sh
- chmod +x setup nginx.sh
- ./setup\_nginx.sh

- echo "<html><body><h2>Welcome to Azure! My name is \$(hostname).</h2></body></html>" | sudo tee -a /var/www/html/index.html
- sudo systemctl status nginx
- az vm open-port --resource-group "learn-1dd151f8-37c6-44cc-a975-8f08e65c30c2" --name my-vm --port 80
- az vm list-ip-addresses --resource-group "learn-1dd151f8-37c6-44cc-a975-8f08e65c30c2" --name my-vm --output table
- ssh azureuser@ 98.70.112.108
- sudo apt-get update
- git clone https://github.com/Karthika-19/myportfolio.git
- sudo cp -r html/\* /var/www/html/
- sudo chown -R www-data:www-data/var/www/html
- sudo chmod -R 755 /var/www/html
- sudo systemctl restart nginx\

#### EXECUTING COMMANDS IN SAND BOX

```
C | Azure Cloud Shell

Switch to PowerShell

Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI

Type "help" to learn about Cloud Shell

Vsowmtya2810 [ ~ ]$ az vm create --resource-group "learn-f52bc8c4-5732-4ec2-8f42-f

2f0e6814df4" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-user
name azureuser --generate-ssh-keys

{
   "fqdns": ",
   "id": "/subscriptions/993ca52-ebff-42e6-9e6f-48771148aeed/resourceGroups/learn-f52bc8c4-5732-4ec2-8f42-f2f0e6814df4/providers/Microsoft.Compute/virtualMachines/m

y-vm",
   "location": "westus",
   "macAddress": "00-00-3A-32-9A-5E",
   "powerState": "Wh running",
   "privateIpAddress": "13.73.55.75",
   "resourceGroup": "learn-f52bc8c4-5732-4ec2-8f42-f2f0e6814df4" activate Windows
   "resourceGroup": "learn-f52bc8c4-5732-4ec2-8f42-f2f0e6814df4" activate Windows
   "zones": ""
```

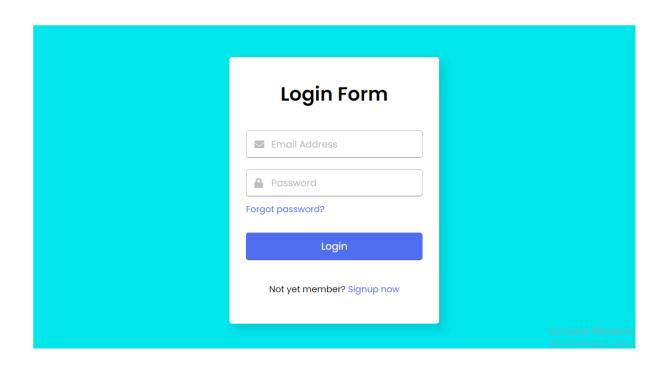
#### RUNNING HTML IN BROWSER WITH PUBLIC IP ADDRESS

azureuser@my-vm:~\$ echo "<html><body><h2>Welcome to Azure! My name is \$(hostname </h2></body></html>" | sudo tee -a /var/www/html/index.html <html><br/><html><body><h2>Welcome to Azure! My name is my-vm.</h2></body></html>

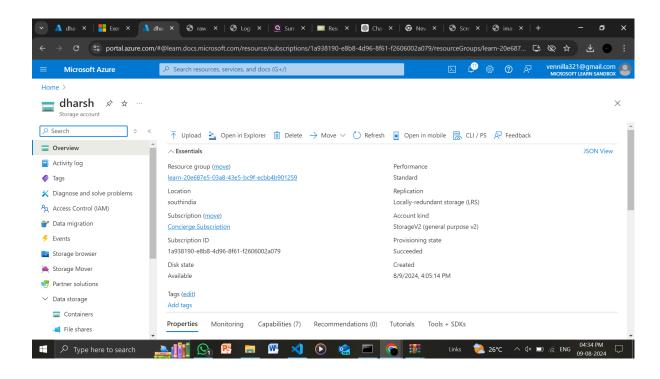
Welcome to Azure! My name is my-vm.

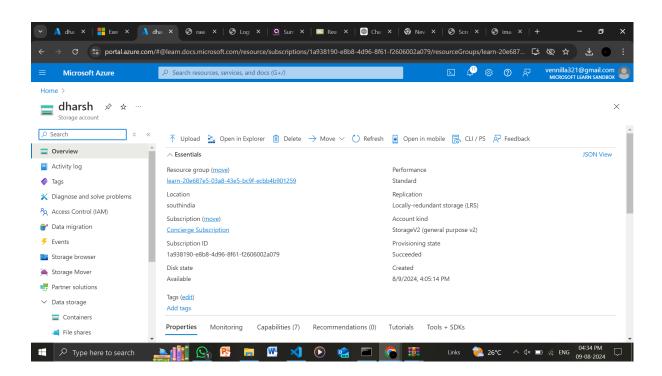
#### RUNNING PORTFOLIO FROM GIT HUB IN THE BROWSER

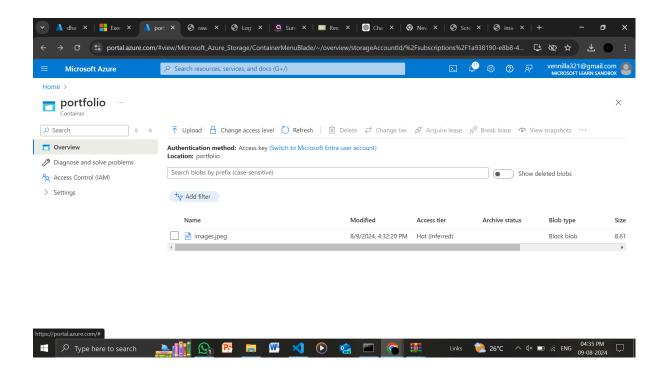
```
azureuser@my-vm:~$ git clone https://github.com/GNiruthian/Login-Page-using-html-css.git
fatal: destination path 'Login-Page-using-html-css' already exists and is not an e
mpty directory.
azureuser@my-vm:~$ sudo cp -r Login-Page-using-html-css/*\/\yar/\www/html/
azureuser@my-vm:~$ sudo chown -R www-data:www-data;/var/www/html
sudo chmod -R 755 /var/www/html
azureuser@my-vm:~$
```



#### **STORAGE ACCOUNT- CONTAINERS- BLOG**

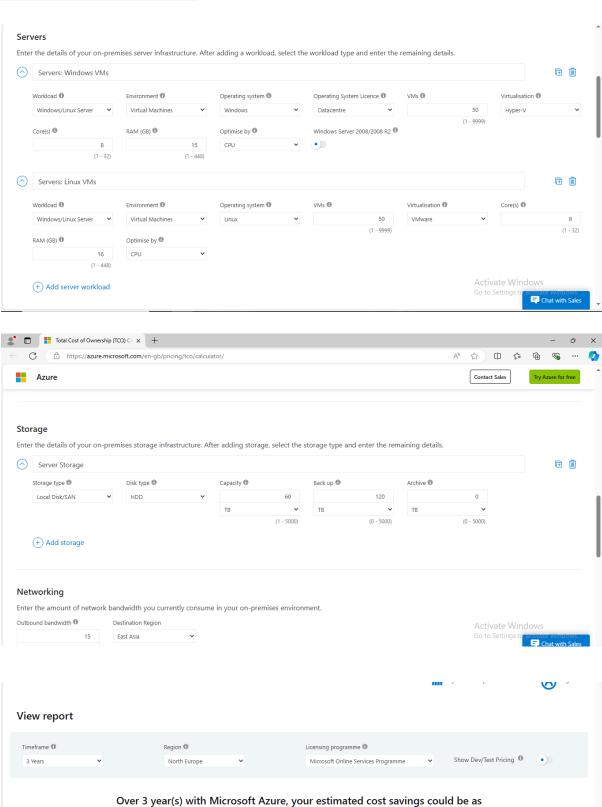




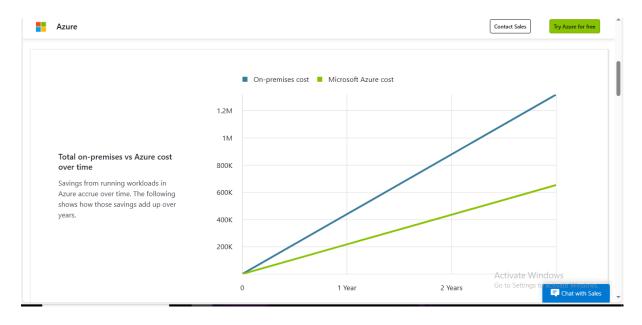


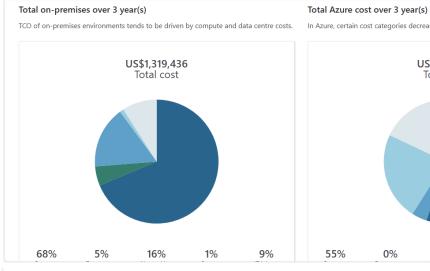


#### **COST MANAGEMENT**



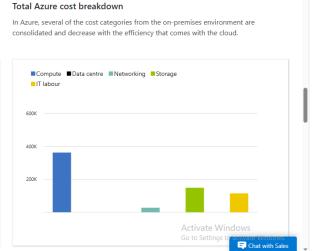
Over 3 year(s) with Microsoft Azure, your estimated cost savings could be as much as US\$665,456





# In Azure, certain cost categories decrease or go away completely. US\$653,980 Total cost Activate Windows Go to Settings to control Windows 23% □ Chat with Sales

### 



Total	US\$1,319,436.00	Total	US\$653,980.0
T labour	US\$115,000.23		
Storage	US\$19,174.40		
Networking	US\$213,237.39	II laboul	03\$113,000.2
Data centre	US\$68,917.56	Storage IT labour	US\$115,000.2
Virtualisation	US\$105,616.00	Networking	US\$27,639.0 US\$148.856.8
Software Electricity	US\$123,100.00 US\$42,166.08	Data centre	US\$0.0
Compute Hardware	US\$903,106.08 US\$632,224.00	Compute	US\$362,484.0
S	LIC\$002.10C.00	Committee	LIC\$363.40.47
Category	Cost	Category	Со
On-premises cost breakdown summary		Azure cost breakdown summary	
Cost over 3 year(s)		Cost over 3 year(s)	
US\$1,319,436		US\$653,980	