MICROSOFT AZURE

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GITHUB LINK: https://github.com/Yaminah786/Microsoft-Azure-

yaminah.git

REQUESTING A CLOUD SHELL SUCCEEDED. CONNECTING TERMINAL...

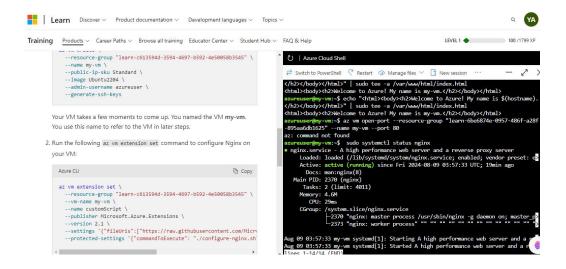
Welcome to Azure Cloud Shell

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 systemctl start nginx
- sudo systemetl 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 systemetl 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\

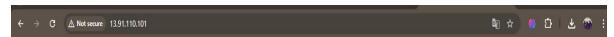
EXECUTING COMMANDS IN SAND BOX



```
0 upgraded, 0 newly installed, 0 to remove and 10 not upgraded.
-bash: syntax error near unexpected token `&' chmod: cannot access 'setup_nginx.sh': No such file or directory
-bash: ./setup_nginx.sh: No such file or directory
azureuser@my-vm:~$ echo "sudo apt-get update -y
sudo apt-get install nginx -y
sudo systemctl start nginx
sudo systemctl enable nginx"> setup_nginx.sh
chmod +x setup_nginx.sh
./setup_nginx.sh
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.18.0-6ubuntu14.4).
0 upgraded, 0 newly installed, 0 to remove and 10 not upgraded.
Synchronizing state of nginx.service with SysV service script with /lib/systemd/sy
stemd-sysv-install.
                                                    Activate Windows
Executing: /lib/systemd/systemd-sysv-install enable nginx ngs to activate Windows.
azureuser@my-vm:~$
```

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><body><h2>Welcome to Azure! My name is
my-vm.</h2></body></html>



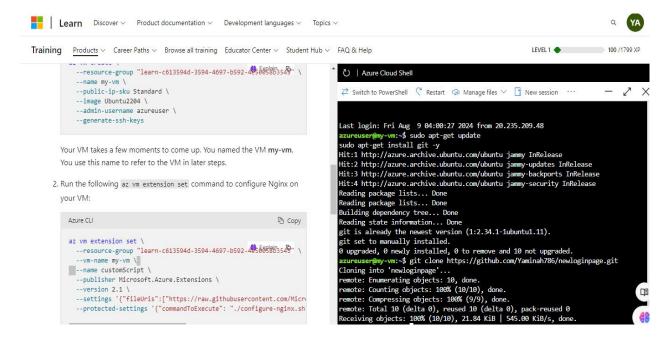
Welcome to Azure! My name is my-vm.

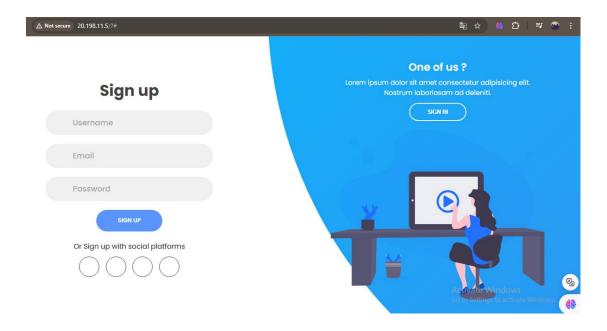
Welcome to Azure! My name is my-vm.

Welcome to Azure! My name is my-vm.

DISPLAYING VIRTUAL MACHINE, PUBLIC IP AND PRIVATE IP

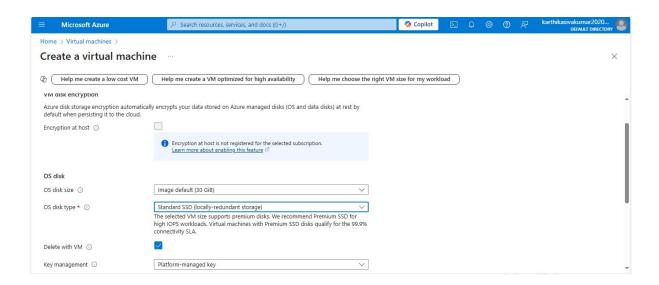
RUNNING PORTFOLIO FROM GIT HUB IN THE BROWSER

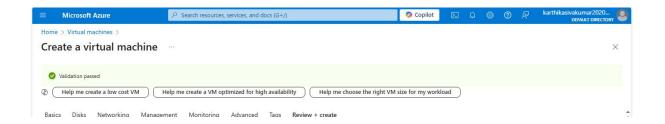


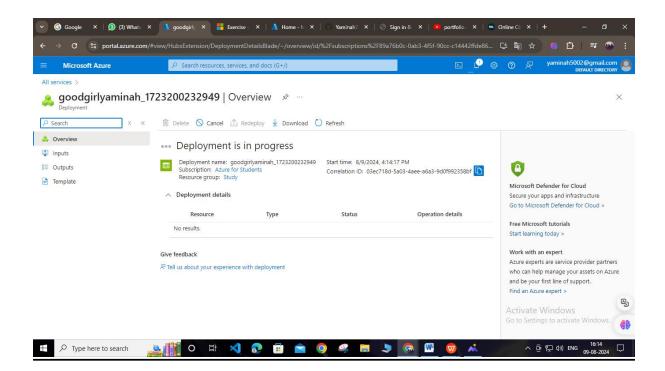


VIRTUAL MACHINE

CREATING A VIRTUAL MACHINE



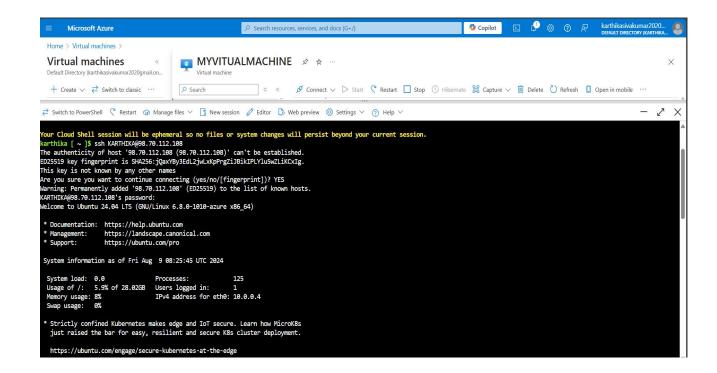




COMMANDS FOR VIRTUAL MACHINE

- ✓ ssh Yaminah@20.198.11.5
- ✓ 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/Karthika-19/myportfolio.git
- ✓ sudo chown -R www-data:www-data/var/www/html

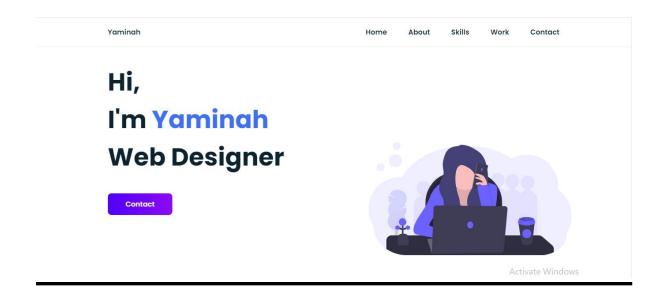
EXECUTING THE VIRTUAL MACHINE COMMANDS



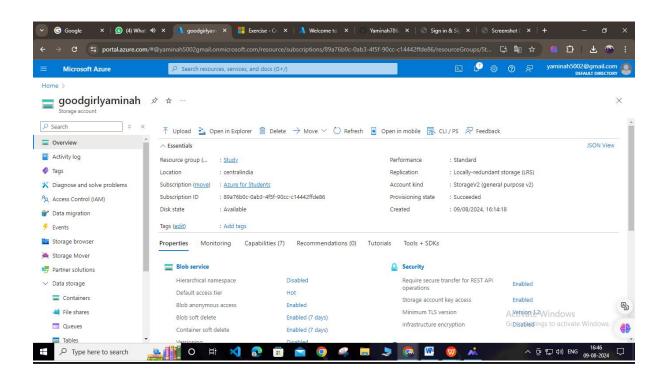
```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7).
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
KARTHIKA@MYVITUALMACHINE:~$ sudo systemctl start nginx
KARTHIKA@MYVITUALMACHINE:~$ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-
sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable nginx
KARTHIKA@MYVITUALMACHINE:~$ cd /var/www/html
KARTHIKA@MYVITUALMACHINE:/var/www/html$ sudo rm -rf *
KARTHIKA@MYVITUALMACHINE:/var/www/html$ sudo git clone https://github.com/Karthika-19/myport
folio.git
Cloning into 'myportfolio'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 8 (delta 0), reused 8 (delta 0), pack-reused 0
Receiving objects: 100% (8/8), 185.18 KiB | 8.82 MiB/s, done.
KARTHIKA@MYVITUALMACHINE:/var/www/html$ sudo chown -R www-data:www-data /var/www/html
KARTHIKA@MYVITUALMACHINE:/var/www/html$
```

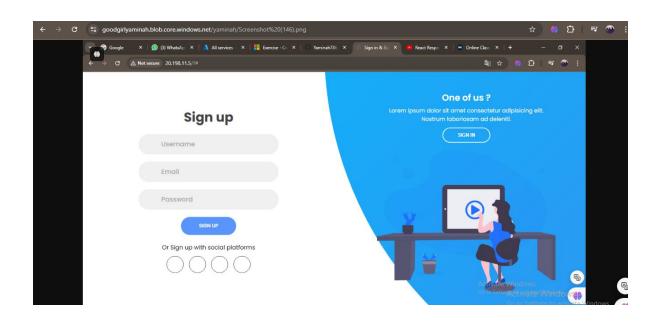
```
MYVITUALMACHINE:~$ sudo apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://azure.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:3 http://azure.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu noble-security InRelease
Get:5 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [344 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [5716 B]
Get:7 http://azure.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [321 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [12.7 kB]
Fetched 809 kB in 1s (1056 kB/s)
 Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
 ARTHIKA@MYVITUALMACHINE:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.43.0-1ubuntu7.1).
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
KARTHIKA@MYVITUALMACHINE:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7).
 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
KARTHIKA@MYVITUALMACHINE:~$ sudo systemctl start nginx
```

My Portfolio

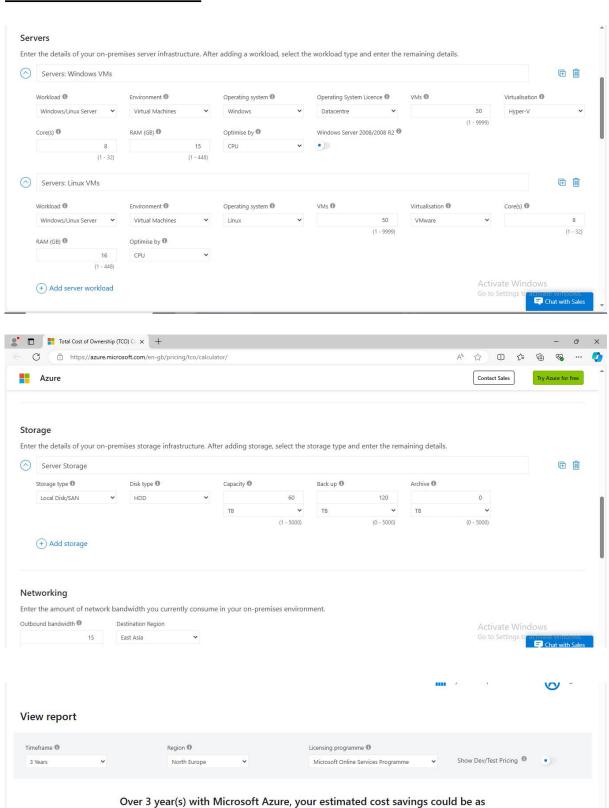


STORAGE ACCOUNT- CONTAINERS- BLOG

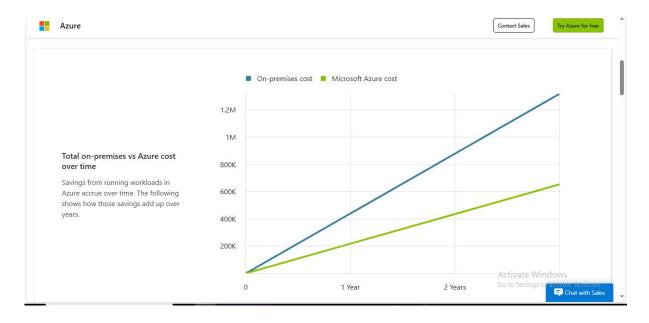




COST MANAGEMENT



much as US\$665,456

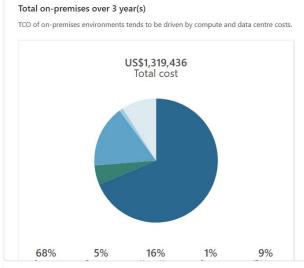


Total Azure cost over 3 year(s)

55%

Total Azure cost breakdown

0%

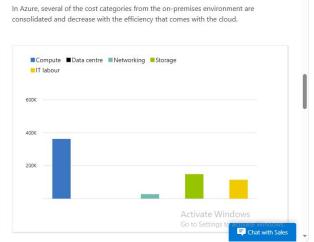


US\$653,980 Total cost

4%

23%

Chat with Sales



	40.000	and the state of t
US\$115,000.23		
US\$19,174.40		
US\$213,237.39	II labour	US\$115,000.2
US\$68,917.56	2021	US\$148,856.8
US\$105,616.00		US\$27,639.0
US\$123,100.00		US\$0.0
US\$903,106.08 US\$632,224.00	Compute	US\$362,484.0
Cost	Category	Со
Cont	C-4-1-1-1	
	Azure cost breakdown summary	
	Cost over 3 year(s)	
	U\$903,106.08 U\$\$903,224.00 U\$\$123,100.00 U\$\$42,166.08 U\$\$105,616.00 U\$\$68,917.56 U\$\$213,237.39	US\$903,106.08 US\$632,224.00 US\$123,100.00 US\$42,166.08 US\$105,616.00 US\$68,917.56 US\$213,237.39 US\$19,174.40