

## 1. Remove all resource group

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, and a search bar. The main heading is 'Resource groups'. Below the heading, there are filters for 'Subscription == all' and 'Location == all'. A message states 'No resource groups to display. Try changing or clearing your filters.' with a 'Create resource group' button. The page also shows an 'Activate Windows' watermark.

## 2. Create Virtual network named as virtue with ip range 79.23.0.0/16 and subnet name sub\_virtue with ip range 79.23.46.0/24

The screenshot shows the Microsoft Azure portal interface for a virtual network named 'virtue'. The left sidebar contains navigation options like 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings', 'Address space', 'Connected devices', 'Subnets', 'DDoS protection', 'Firewall', 'Security', and 'Network manager'. The main content area shows the 'Essentials' section with details about the resource group, location, subscription, and address space. The address space is 79.23.0.0/16. The page also shows a 'Connected devices' section with a search bar and a table for connected devices.

## 3. Create 2 Linux Virtual machines named as base and abase, install httpd package and create sample webpages.

Virtual machines

DXC Production (CSCPortal.onmicrosoft.com)

Filter for any field... Subscription == all Resource group == all Location == all Add filter

Showing 1 to 2 of 2 records.

Name	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address
abase	Free Trial	res_dxc	East US	Running	Linux	Standard_B1s	20.106.169.151
base	Free Trial	res_dxc	East US	Running	Linux	Standard_B1s	20.106.169.69

```

azureuser@abase:~/var/www/html
[azureuser@abase ~]$ cd /var/www/html/
[azureuser@abase html]$ sudo vi index.html
[azureuser@abase html]$ sudo systemctl httpd
Unknown operation 'httpd'.
[azureuser@abase html]$ sudo systemctl httpd
Unknown operation 'httpd'.
[azureuser@abase html]$ yum install httpd
Loaded plugins: langpacks
You need to be root to perform this command.
[azureuser@abase html]$ vi index.html
[azureuser@abase html]$ sudo systemctl httpd
Unknown operation 'httpd'.
[azureuser@abase html]$ sudo systemctl restart httpd
[azureuser@abase html]$ cat index.html
"Hello this is my second virtual machine"
[azureuser@abase html]$

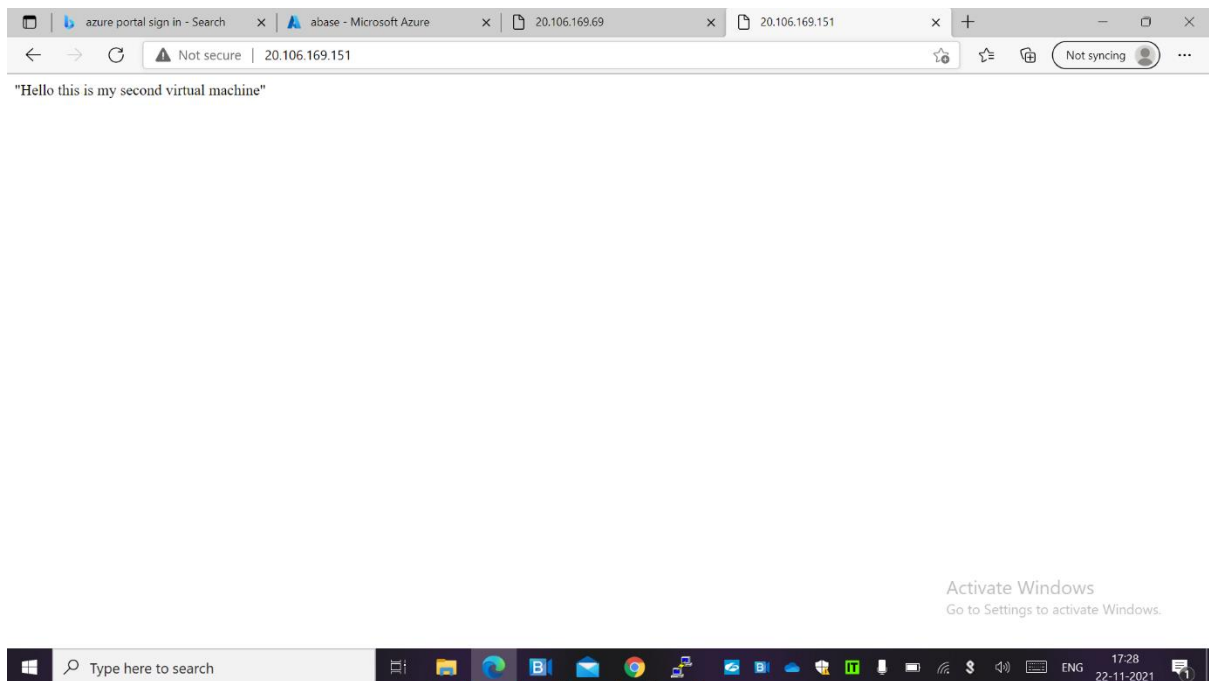
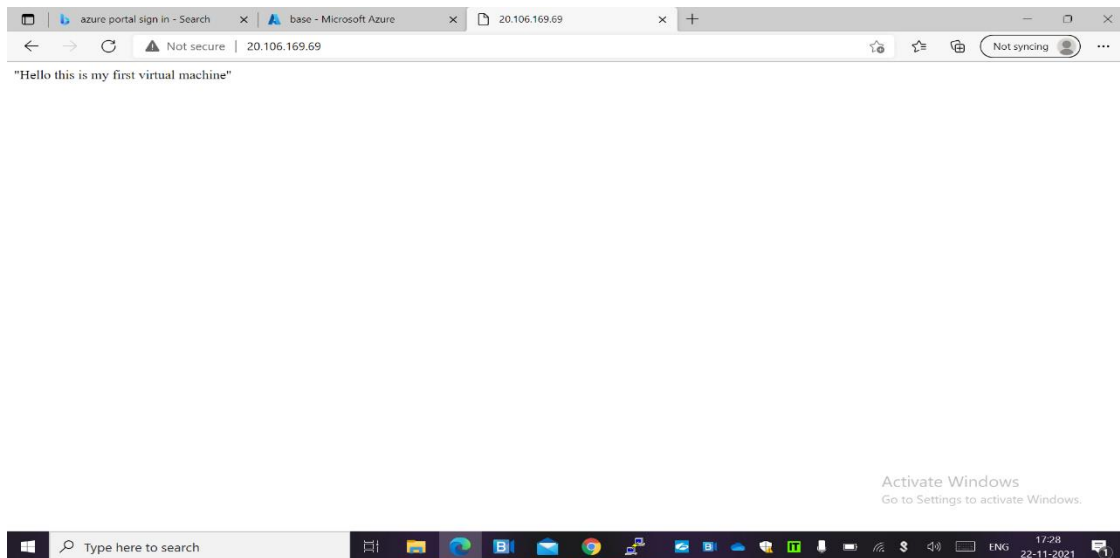
```

```

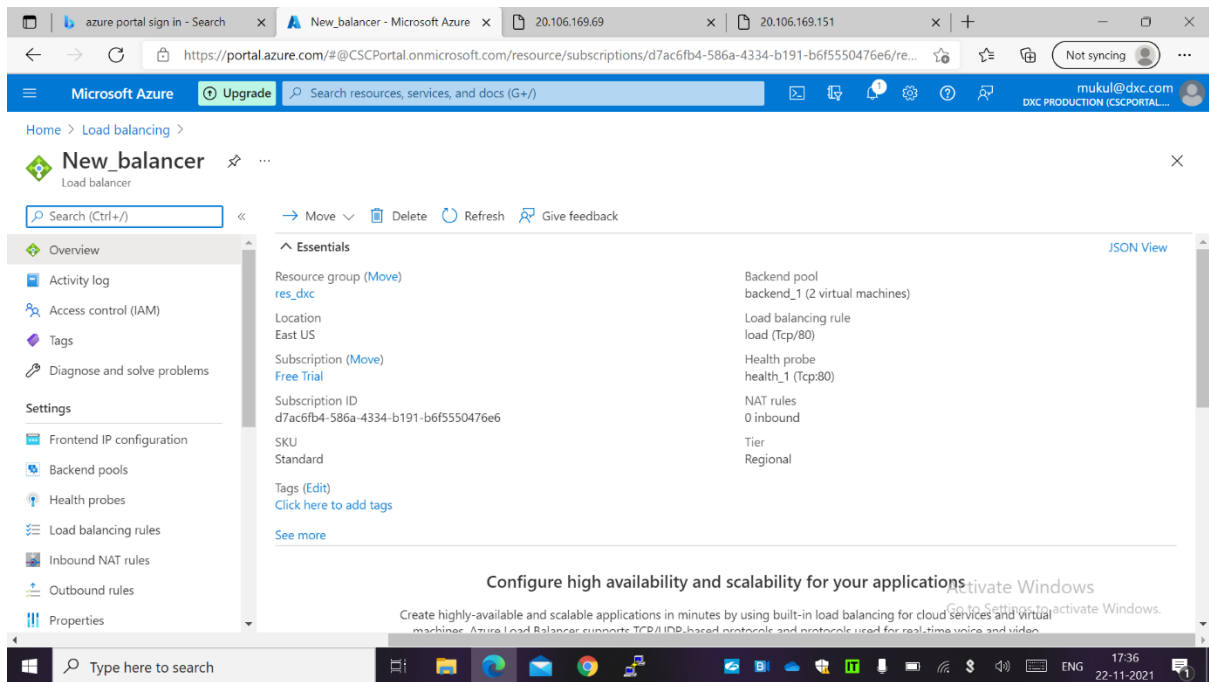
azureuser@base:~/var/www/html
[azureuser@base ~]$ cd /var/www/html/
[azureuser@base html]$ sudo vi index.html
[azureuser@base html]$ sudo systemctl restart httpd
[azureuser@base html]$ cat index.html
"Hello this is my first virtual machine"
[azureuser@base html]$

```

4. after hosting the website on both Virtual machines try to access those machines with public ip.



5. Create a load balancer named as New\_balancer (config frontend ip, backend pool, add balancer rule, public ip, etc)



6. try to connect with ip address of load balancer.

