

## Assignment – Azure Networking – II

### Assignment 1:



#### 1. Deploy 2 VMs with Ubuntu and Apache2 installed

Virtual machines    Get started

+ Create   Switch to classic   Reservations   Manage view   Refresh   Export to CSV

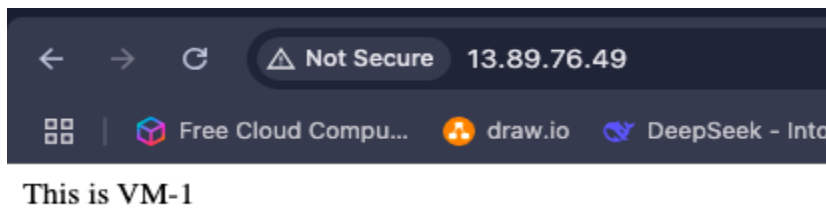
Filter for any field...   Subscription equals all   Type equals all   Resource group equals all   L

Showing 1 to 2 of 2 records.

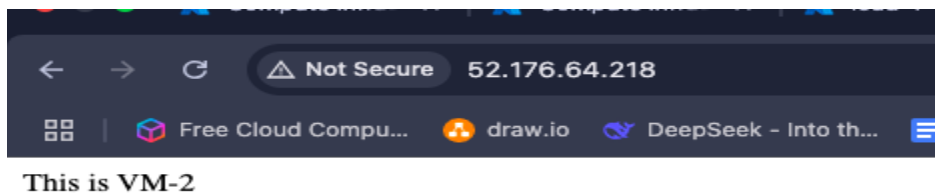
<input type="checkbox"/> Name ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status
<input type="checkbox"/>  VM-1	my-subscriptions	7april	Central US	Running
<input type="checkbox"/>  VM-2	my-subscriptions	7april	Central US	Running

#### 2. Change index.html to include the following text

##### a. “This is VM1” on VM1

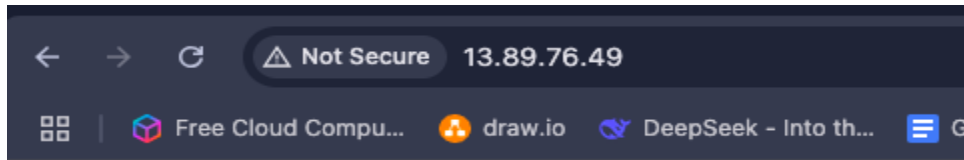


##### b. “This is VM2” on VM2



## Assignment – Azure Networking – II

3. Create a load balancer which will balance the traffic between these two VMs

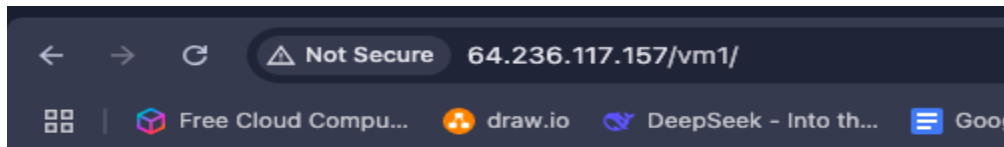


This is VM-1

Assignment 2 :

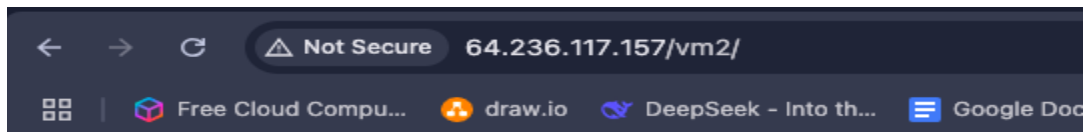
Create an application gateway with the following configuration:

a. /vm1 should point to VM1



This is VM1

b. /vm2 should point to VM2

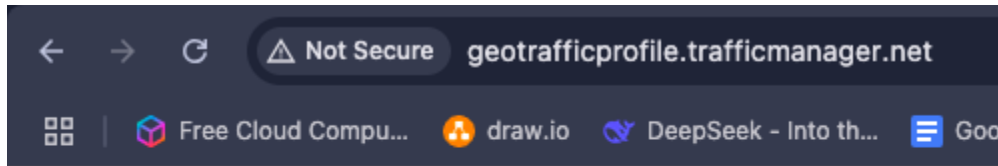


This is vm2

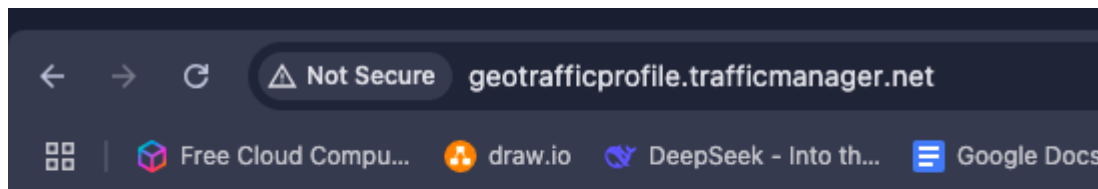


## Assignment – Azure Networking – II

2. Balance the load on these VMs geographically



This is VM1 East US



This is VM2 CENTRAL INDIA

To accomplish this please use Azure Traffic Manager

Assignment 5:

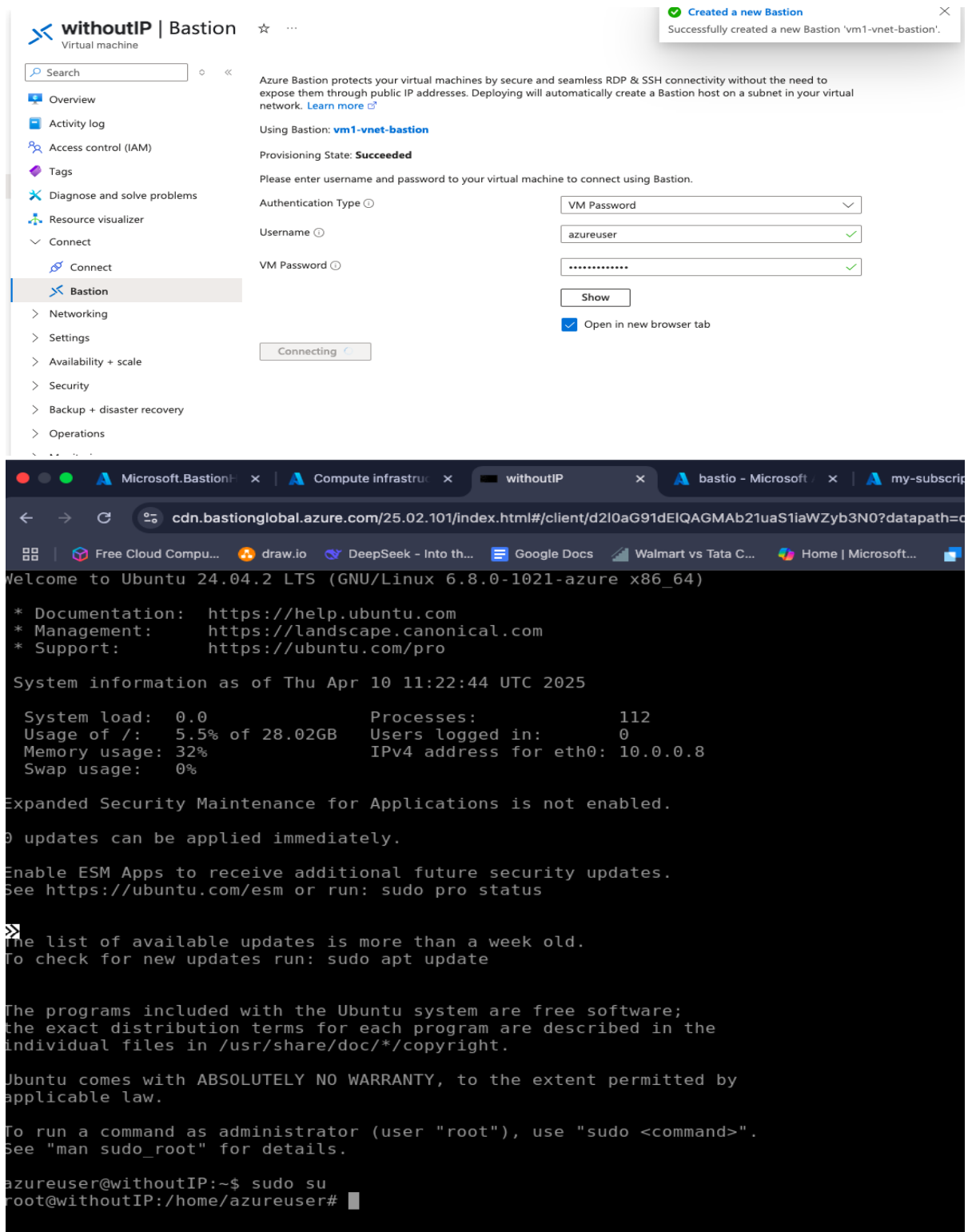
1. Create a VM without public IP address

Showing 1 to 1 of 1 records.

<input checked="" type="checkbox"/> Name ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system ↑↓	Size ↑↓	Public IP address ↑↓	Disks ↑↓
<input checked="" type="checkbox"/> withoutIP	<a href="#">my-subscriptions</a>	7april	Central US	Running	Linux	Standard_B1s	-	1

## Assignment – Azure Networking – II

### 2. Connect to this VM using bastion host



**withoutIP | Bastion** Virtual machine

Search

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Azure Bastion protects your virtual machines by secure and seamless RDP & SSH connectivity without the need to expose them through public IP addresses. Deploying will automatically create a Bastion host on a subnet in your virtual network. [Learn more](#)

Using Bastion: **vm1-vnet-bastion**

Provisioning State: **Succeeded**

Please enter username and password to your virtual machine to connect using Bastion.

Authentication Type: VM Password

Username: azureuser

VM Password: .....

Show

☒ Open in new browser tab

Connecting

Microsoft.Bastion | Compute infrastructure | withoutIP | bastio - Microsoft | my-subscrip

cdn.bastionglobal.azure.com/25.02.101/index.html#/client/d2l0aG91dElQAGMAb21uaS1iaWZyb3N0?datapath=d

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1021-azure x86\_64)

\* Documentation: <https://help.ubuntu.com>  
\* Management: <https://landscape.canonical.com>  
\* Support: <https://ubuntu.com/pro>

System information as of Thu Apr 10 11:22:44 UTC 2025

System load:	0.0	Processes:	112
Usage of /:	5.5% of 28.02GB	Users logged in:	0
Memory usage:	32%	IPv4 address for eth0:	10.0.0.8
Swap usage:	0%		

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.  
To check for new updates run: `sudo apt update`

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in `/usr/share/doc/*/copyright`.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "`sudo <command>`".  
See "`man sudo_root`" for details.

azureuser@withoutIP:~\$ sudo su  
root@withoutIP:/home/azureuser#