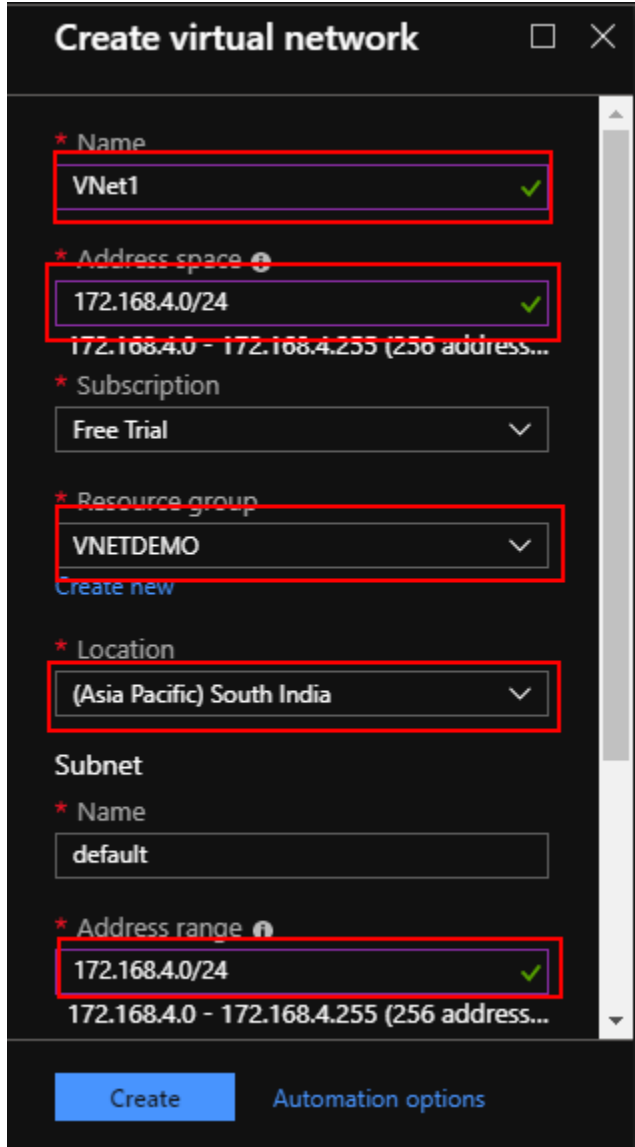


Azure 104 Module 6, Hands On – 2

Create and configure VNet to VNet peering.

Step 1: Create Two VNets in the same region named VNet1 and VNet2.



Create virtual network

* Name
VNet1 ✓

* Address space ⓘ
172.168.4.0/24 ✓
172.168.4.0 - 172.168.4.255 (256 address...)

* Subscription
Free Trial ▼

* Resource group
VNETDEMO ▼
[Create new](#)

* Location
(Asia Pacific) South India ▼

Subnet

* Name
default

* Address range ⓘ
172.168.4.0/24 ✓
172.168.4.0 - 172.168.4.255 (256 address...)

[Create](#) [Automation options](#)

Create virtual network

×

* Name

VNET2

✓

* Address space ⓘ

172.168.10.0/24

✓

172.168.10.0 - 172.168.10.255 (256 addre...

* Subscription

Free Trial

▼

* Resource group

VNETDEMO

▼

Create new

* Location

(Asia Pacific) South India

▼

Subnet

* Name

default

* Address range ⓘ

172.168.10.0/24

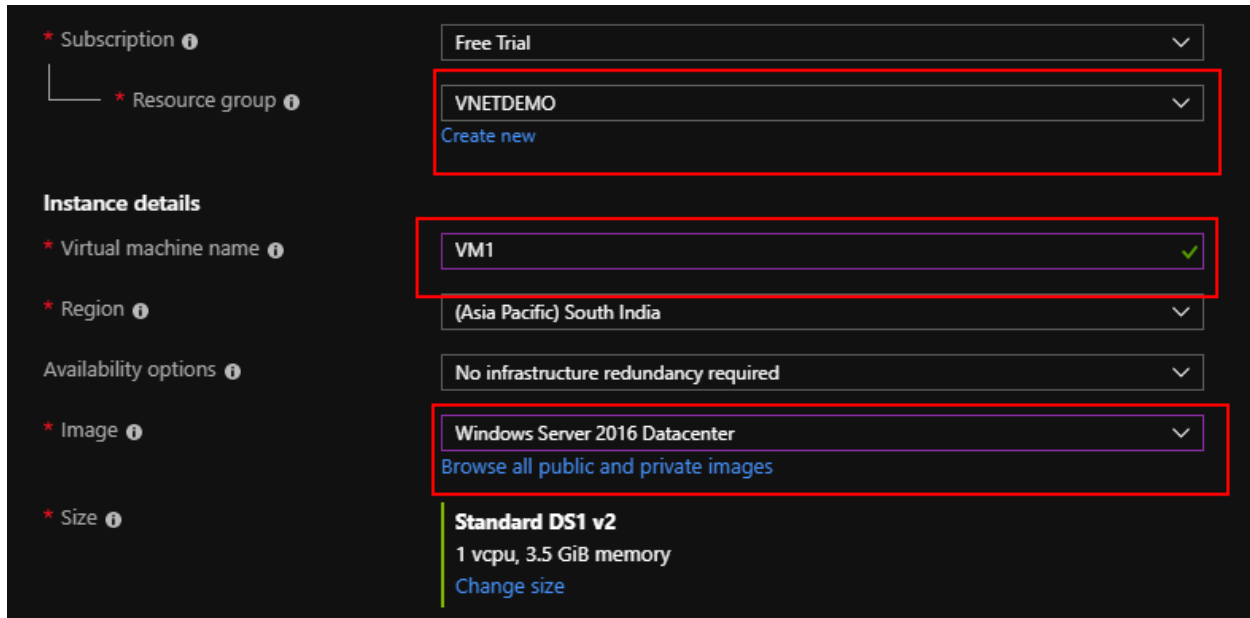
✓

172.168.10.0 - 172.168.10.255 (256 addre...

Create

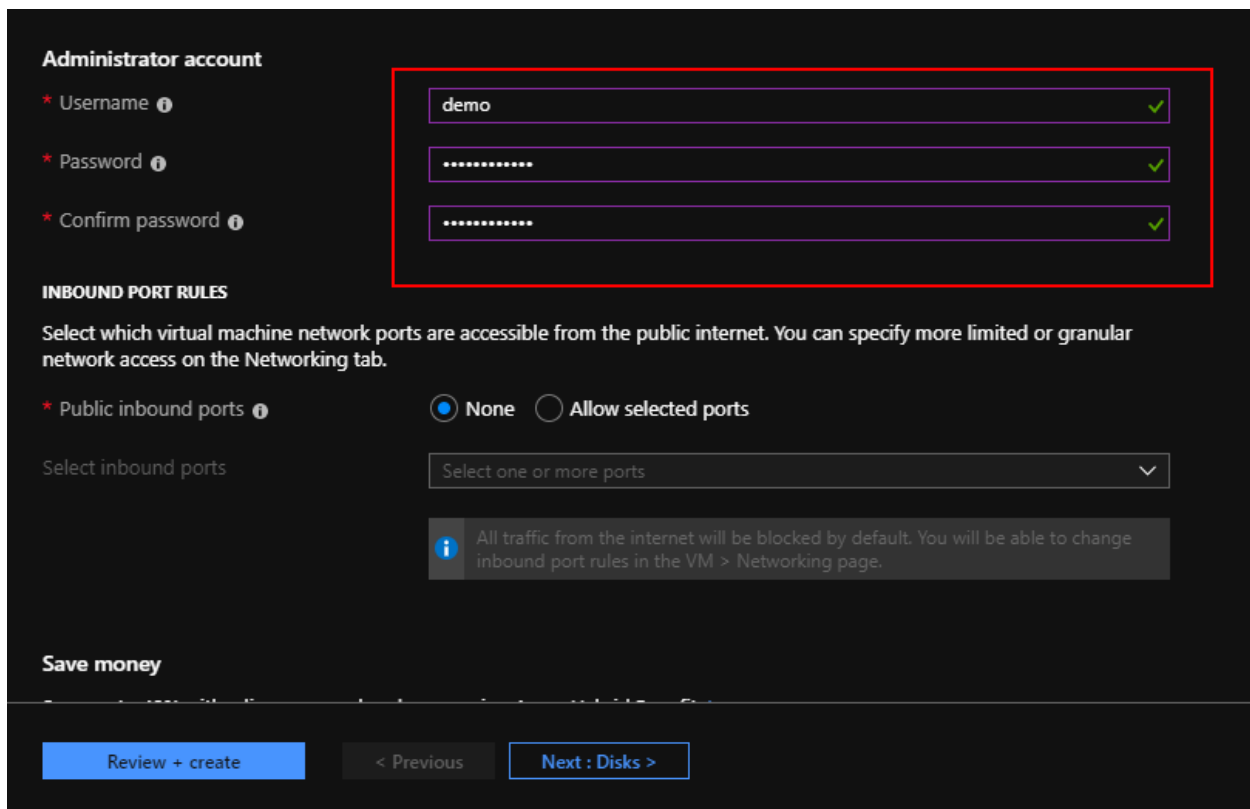
Automation options

Step 2: Create two virtual machines (Windows Datacenter 2016) named VM1 and VM2. One in each VNet created in step 1. Make sure to enable all protocols for connecting to VM's.



This screenshot shows the 'Instance details' section of the Azure portal's virtual machine creation wizard. The following fields are highlighted with red boxes:

- Subscription:** Free Trial
- Resource group:** VNEDEMO (with a 'Create new' link below it)
- Virtual machine name:** VM1 (with a green checkmark)
- Region:** (Asia Pacific) South India
- Availability options:** No infrastructure redundancy required
- Image:** Windows Server 2016 Datacenter (with a 'Browse all public and private images' link below it)
- Size:** Standard DS1 v2 (1 vcpu, 3.5 GiB memory) (with a 'Change size' link below it)




This screenshot shows the 'Administrator account' and 'Inbound port rules' sections of the Azure portal's virtual machine creation wizard. The following fields are highlighted with red boxes:

- Administrator account:**
 - Username:** demo (with a green checkmark)
 - Password:** (masked with dots) (with a green checkmark)
 - Confirm password:** (masked with dots) (with a green checkmark)
- INBOUND PORT RULES:**
 - Public inbound ports:** ☒ None ☐ Allow selected ports
 - Select inbound ports:** Select one or more ports (dropdown menu)
 - Information:** All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

At the bottom, there is a 'Save money' section and navigation buttons: 'Review + create', '< Previous', and 'Next : Disks >'.

Network interface

When creating a virtual machine, a network interface will be created for you.


* Virtual network ⓘ	<div>VNet1</div> <div>Create new</div>
* Subnet ⓘ	<div>default (172.168.4.0/24)</div> <div>Manage subnet configuration</div>
Public IP ⓘ	<div>(new) VM1ip109</div> <div>Create new</div>
NIC network security group ⓘ	<div><input type="radio"/> None <input checked="" type="radio"/> Basic <input type="radio"/> Advanced</div>
* Public inbound ports ⓘ	<div><input type="radio"/> None <input checked="" type="radio"/> Allow selected ports</div>
* Select inbound ports	<div>HTTP, HTTPS, SSH, RDP</div> <div> These ports will be exposed to the internet. Use the Advanced controls to limit inbound traffic to known IP addresses. You can also update inbound traffic rules later.</div>

Review + create

< Previous

Next : Management >

Click Here

 Validation passed

Basics Disks Networking Management Advanced Tags **Review + create**

PRODUCT DETAILS

Standard DS1 v2
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ
8.5925 INR/hr
[Pricing for other VM sizes](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Basics

Subscription
Resource group

Free Trial
VNFDemo

Create

< Previous

Next >

[Download a template for automation](#)

Step 3: Open Virtual Network and click on VNet1.

Virtual networks
Default Directory

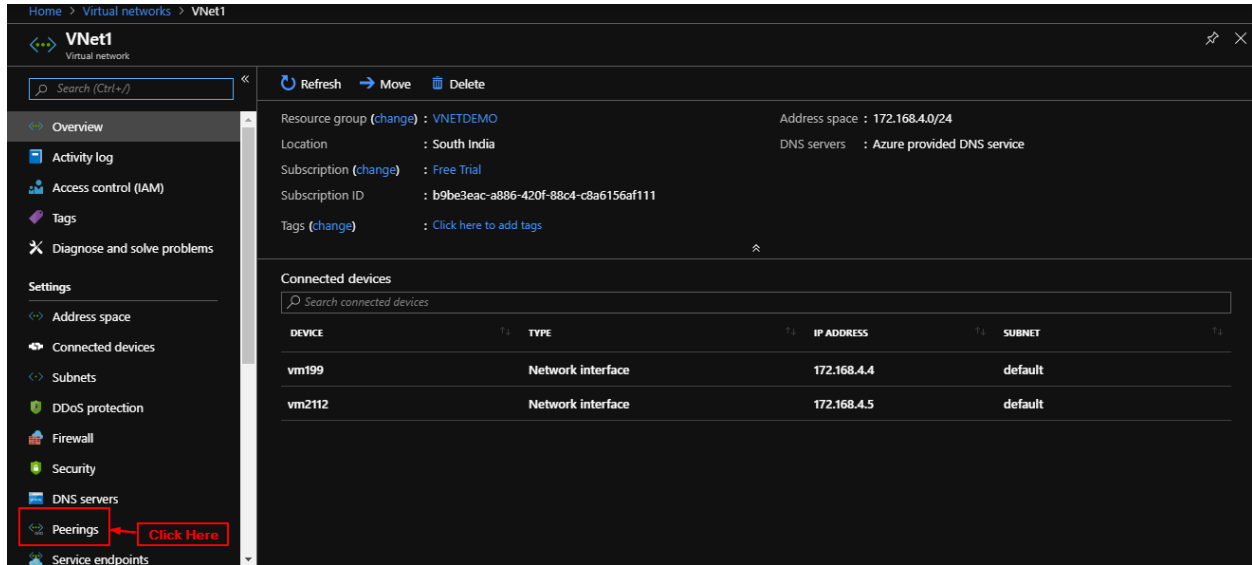
[Add](#) [Edit columns](#) [Refresh](#) [Assign tags](#)

Subscriptions: Free Trial

3 items

<input type="checkbox"/>	NAME	RESOURCE GROUP	LOCATION	SUBSCRIPTION	
<input type="checkbox"/>	<> demo1-vnet	demo1	West US	Free Trial	...
<input type="checkbox"/>	<> VNet1	VNFDemo	South India	Free Trial	...
<input type="checkbox"/>	<> VNET2	VNFDemo	South India	Free Trial	...

Step 4: From the sidebar select Peerings.



Home > Virtual networks > VNet1

VNet1
Virtual network

Search (Ctrl+F)

Refresh Move Delete

Resource group (change) : VNEDEMO Address space : 172.168.4.0/24
Location : South India DNS servers : Azure provided DNS service
Subscription (change) : Free Trial
Subscription ID : b9be3eac-a886-420f-88c4-c8a6156af111
Tags (change) : Click here to add tags

Connected devices

Search connected devices

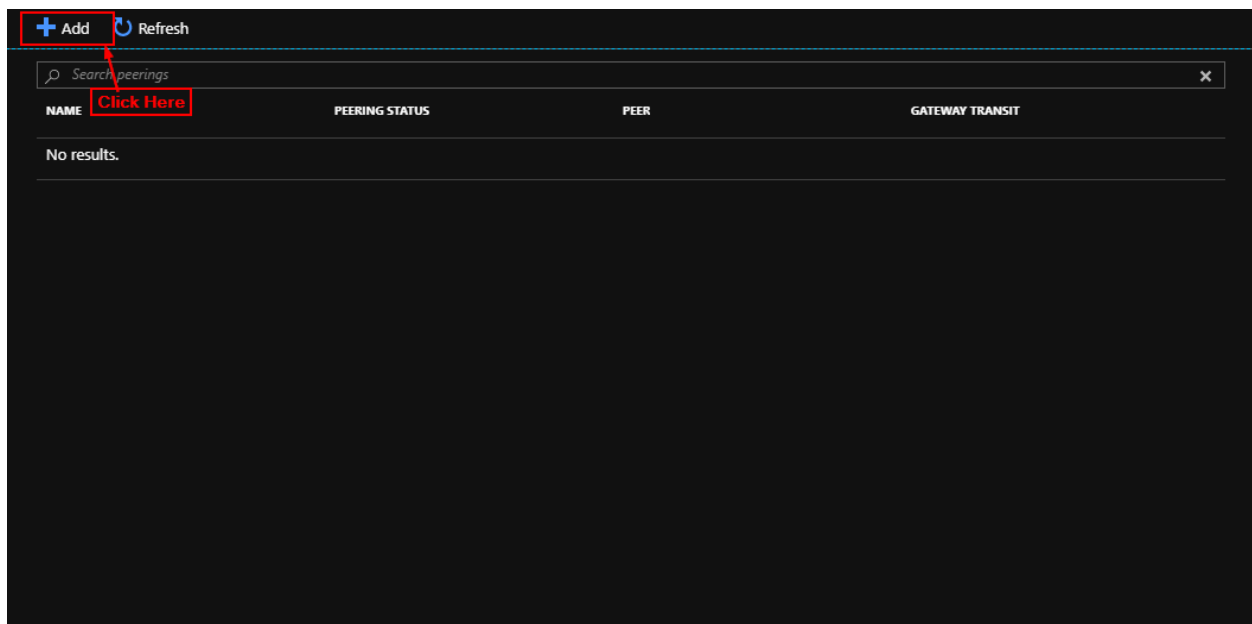
DEVICE	TYPE	IP ADDRESS	SUBNET
vm199	Network interface	172.168.4.4	default
vm2112	Network interface	172.168.4.5	default

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

Settings

- Address space
- Connected devices
- Subnets
- DDoS protection
- Firewall
- Security
- DNS servers
- Peerings** (Click Here)
- Service endpoints

Step 5: Click on add.

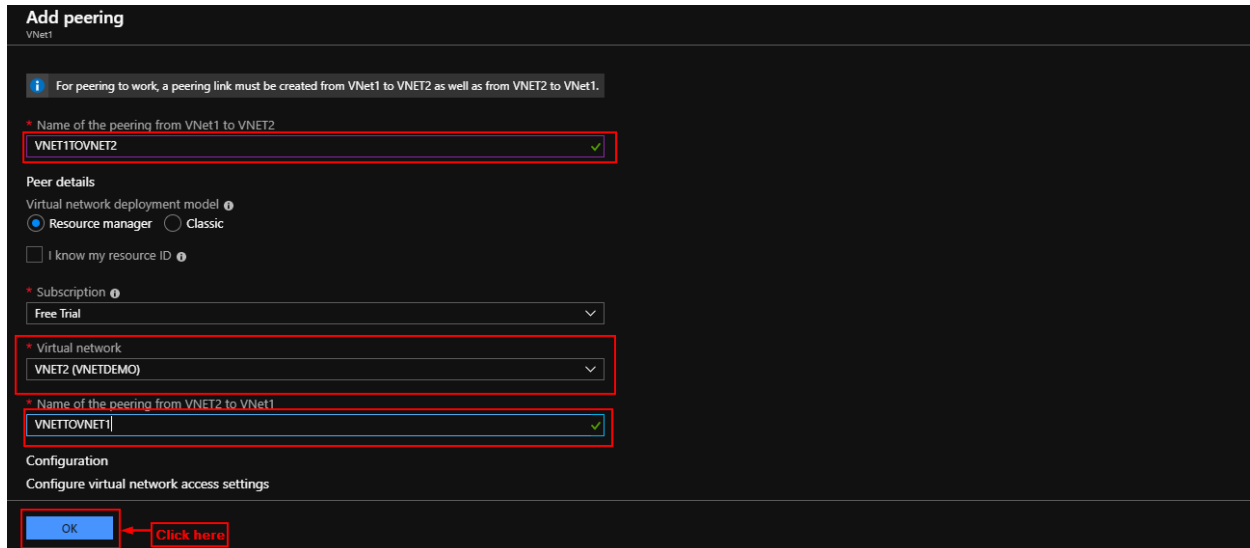


+ Add Refresh

Search peerings

NAME	PEERING STATUS	PEER	GATEWAY TRANSIT
No results.			

Step 6: Enter Details add names to both peering from VNET1 to VNET2 and VNET2 to VNET1 and click on OK.



Add peering
VNet1

For peering to work, a peering link must be created from VNet1 to VNet2 as well as from VNet2 to VNet1.

* Name of the peering from VNet1 to VNet2
VNET1TOVNET2 ✓

Peer details
Virtual network deployment model ⓘ
☒ Resource manager ☐ Classic
☐ I know my resource ID ⓘ

* Subscription ⓘ
Free Trial

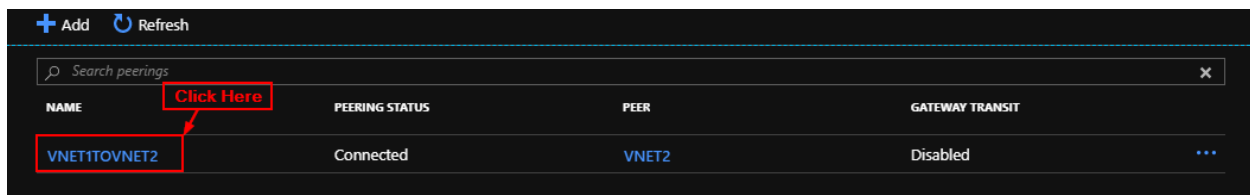
* Virtual network
VNET2 (VNETDEMO)

* Name of the peering from VNet2 to VNet1
VNET2TOVNET1 ✓

Configuration
Configure virtual network access settings

OK Click here

Step 7: Two Peerings (Bi Directional) will be added (Check in both VNET1 and VNET2).



NAME	PEERING STATUS	PEER	GATEWAY TRANSIT
VNET1TOVNET2	Connected	VNET2	Disabled