

FEB 3rd

VNET

az group create --name rg03Jatin --location eastus

```
jatin [ ~ ]$ ^[[200~az group create --name rg03Jatin --location eastus~
bash: $'\E[200~az': command not found
jatin [ ~ ]$ az group create --name rg03Jatin --location eastus
{
  "id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/rg03Jatin",
  "location": "eastus",
  "managedBy": null,
  "name": "rg03Jatin",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
```

**az network vnet create **
**--name Vn1Jatin **
**--resource-group rg03Jatin **
**--address-prefixes 10.0.0.0/16 **
**--subnet-name Subnet1 **
--subnet-prefix 10.0.0.0/24

```
jatin [ ~ ]$ az network vnet create \
--name Vn1Jatin \
--resource-group rg03Jatin \
--address-prefixes 10.0.0.0/16 \
--subnet-name Subnet1 \
--subnet-prefix 10.0.0.0/24
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "newVNet": {
    "addressSpace": {
      "addressPrefixes": [
        "10.0.0.0/16"
      ]
    },
    "enableDdosProtection": false,
    "etag": "W/\"9a02555b-54ee-462f-924e-e5867d50d66e\"",
    "id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/rg03Jatin/providers/Microsoft.Network/virtualNetworks/Vn1Jatin",

```

**az network vnet create **
**--name Vn2Jatin **
**--resource-group rg03Jatin **
**--address-prefixes 10.1.0.0/16 **
**--subnet-name Subnet1 **
--subnet-prefix 10.1.0.0/24

```
jatin [ ~ ]$ az network vnet create \
  --name Vn2Jatin \
  --resource-group rg03Jatin \
  --address-prefixes 10.1.0.0/16 \
  --subnet-name Subnet1 \
  --subnet-prefix 10.1.0.0/24
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
jatin [ ~ ]$
```

Get the id for \$Vnet1.

```
vNet1Id=$(az network vnet show \
  --resource-group rg03Jatin \
  --name Vn1Jatin \
  --query id --out tsv)
```

```
jatin [ ~ ]$ vNet1Id=$(az network vnet show \
  --resource-group rg03Jatin \
  --name Vn1Jatin \
  --query id --out tsv)
WARNING: Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
jatin [ ~ ]$
```

Get the id for myVirtualNetwork2.

```
vNet2Id=$(az network vnet show \
  --resource-group rg03Jatin \
  --name Vn2Jatin \
  --query id \
  --out tsv)
```

```
jatin [ ~ ]$ vNet2Id=$(az network vnet show \
  --resource-group rg03Jatin \
  --name Vn2Jatin \
  --query id \
  --out tsv)
WARNING: Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
jatin [ ~ ]$
```

#VNet1 to Vnet2

```
az network vnet peering create \
  --name myVirtualNetwork1-myVirtualNetwork2 \
  --resource-group rg03Jatin \
  --vnet-name Vn1Jatin \
  --remote-vnet vNet1Id \
  --allow-vnet-access
```

```
az network vnet peering create \
  --name Vn1Jatin-to-Vn2Jatin \
  --resource-group rg03Jatin \
  --vnet-name Vn1Jatin \
```

**--remote-vnet vNet2Id **

--allow-vnet-access

```
jatin [ ~ ]$ az network vnet peering create --name Vn1Jatin-to-Vn2Jatin --resource-group rg03Jatin --vnet-name Vn1Jatin --remote-vnet $vNet2Id --allow-vnet-access
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "allowForwardedTraffic": false,
  "allowGatewayTransit": false,
  "allowVirtualNetworkAccess": true,
  "doNotVerifyRemoteGateways": false,
  "etag": "W/\"88c3fb68-e95b-42da-8042-698e27953e9c\"",
  "id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/rg03Jatin/providers/Microsoft.Network/virtualNetworks/Vn1Jatin/virtualNetworkPeerings/Vn1Jatin-to-Vn2Jatin",
  "name": "Vn1Jatin-to-Vn2Jatin",
  "peeringState": "Initiated",
  "peeringSyncLevel": "RemoteNotInSync",
  "provisioningState": "Succeeded",
  "remoteAddressSpace": {
```

#VNet2 to Vent1

**az network vnet peering create **

**--name Vn2Jatin-to-Vn1Jatin **

**--resource-group rg03Jatin **

**--vnet-name Vn2Jatin **

**--remote-vnet \$vNet1Id **

--allow-vnet-access

```
jatin [ ~ ]$ az network vnet peering create \
--name Vn2Jatin-to-Vn1Jatin \
--resource-group rg03Jatin \
--vnet-name Vn2Jatin \
--remote-vnet $vNet1Id \
--allow-vnet-access
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "allowForwardedTraffic": false,
  "allowGatewayTransit": false,
  "allowVirtualNetworkAccess": true,
  "doNotVerifyRemoteGateways": false,
  "etag": "W/\"29aa913c-b8b5-4d72-a9f9-7c10bb6b4071\"",
  "id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/rg03Jatin/providers/Microsoft.Network/virtualNetworks/Vn2Jatin/virtualNetworkPeerings/Vn2Jatin-to-Vn1Jatin",
  "name": "Vn2Jatin-to-Vn1Jatin",
  "peeringState": "Initiated",
  "peeringSyncLevel": "RemoteNotInSync",
  "provisioningState": "Succeeded",
  "remoteAddressSpace": {
```

**az network vnet peering show **

**--name Vn1Jatin-to-Vn2Jatin **

**--resource-group rg03Jatin **

--vnet-name Vn1Jatin

--query peeringState

```
jatin [ ~ ]$ az network vnet peering show \
--name Vn1Jatin-to-Vn2Jatin \
--resource-group rg03Jatin \
--vnet-name Vn1Jatin\
--query peeringState
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
"Connected"
jatin [ ~ ]$
```

**#--generate-ssh-keys **

ssh-keygen -t rsa -b 2048 -f ~/.ssh/jatin_lock

```
jatin [ ~ ]$ ssh-keygen -t rsa -b 2048 -f ~/.ssh/jatin_lock
Generating public/private rsa key pair.
Created directory '/home/jatin/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/jatin/.ssh/jatin_lock
Your public key has been saved in /home/jatin/.ssh/jatin_lock.pub
The key fingerprint is:
```

**az vm create **

**--resource-group rg03Jatin **
**--name myVm1 **
**--image Ubuntu2204 **
**--public-ip-sku Standard **
--vnet-name Vn1Jatin
**--subnet Subnet1 **
**--ssh-key-value ~/.ssh/jatin_lock.pub **
--no-wait

```
jatin [ ~ ]$ az vm create \
  --resource-group rg03Jatin \
  --name myVm1 \
  --image Ubuntu2204 \
  --public-ip-sku Standard \
  --vnet-name Vn1Jatin\
  --subnet Subnet1 \
  --ssh-key-value ~/.ssh/jatin_lock.pub \
  --no-wait
```

**az vm create **

**--resource-group rg03Jatin **
**--name myVm2 **
**--image Ubuntu2204 **
**--public-ip-sku Standard **
**--vnet-name Vn2Jatin **
**--subnet Subnet1 **
--ssh-key-value ~/.ssh/jatin_lock.pub #--generate-ssh-keys

```
jatin [ ~ ]$ az vm create \
--resource-group rg03Jatin \
--name myVm2 \
--image Ubuntu2204 \
--public-ip-sku Standard \
--vnet-name Vn2Jatin \
--subnet Subnet1 \
--ssh-key-value ~/.ssh/jatin_lock.pub
{
  "fqdns": "",
  "id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbc17ef/resourceGroups/rg03Jatin/providers/Microsoft.Compute/virtualMachines/myVm2",
  "location": "eastus",
  "macAddress": "7C-1E-52-0C-EE-CE",
  "powerState": "VM running",
  "privateIpAddress": "10.1.0.4",

```

ssh -i ~/.ssh/jatin_lock jatin@20.124.108.89

```
jatin@myVm2:~$ ping 10.0.0.4 -c 4
PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4: icmp_seq=1 ttl=64 time=5.32 ms
64 bytes from 10.0.0.4: icmp_seq=2 ttl=64 time=1.16 ms
64 bytes from 10.0.0.4: icmp_seq=3 ttl=64 time=6.57 ms
64 bytes from 10.0.0.4: icmp_seq=4 ttl=64 time=1.03 ms

--- 10.0.0.4 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 1.030/3.519/6.567/2.464 ms
```

#Ping to VM1 ip

ping 10.0.0.4 -c 4

```
jatin [ ~ ]$ ping 10.0.0.4 -c 4
PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

--- 10.0.0.4 ping statistics ---
4 packets transmitted, 0 received, 100% packet loss, time 3074ms
```

az group delete --name rg03Jatin --yes

```
jatin [ ~ ]$ az group delete --name rg03Jatin --yes
Running ..
https://ms.portal.azure.com/#@incedoin.onmicrosoft.com/resource/subscriptio...
```