***Create Azure Architecture using Cloud shell***

**#Create a Resource Group**

Syntax: az group create --location <location of your resource group> --name <name of your resource group>

Ex:az group create --location eastus --name azure\_ajay

or

EX: **az group create -l eastus -n azure\_ajay**

**#Create Vnet & Subnets**

Syntax: az network vnet create --resource-group <name of your resource group> --name <name of your Vnet> --address-prefix <Cider for Vnet> --subnet-name <name of Subnet> --subnet-prefix <Cider for subnet> --location <location of subnet>

or

Syntax: az network vnet create -g <name of your resource group> -n<name of your Vnet> --address-prefix <Cider for Vnet> --subnet-name <name of Subnet> --subnet-prefix <Cider for subnet> -l <location of subnet>

Ex: **az network vnet create -g azure\_ajay -n Vnet1 --address-prefix 10.1.0.0/16 --subnet-name Subnet1 --subnet-prefix 10.1.1.0/24 -l eastus**

**#Create Vm**

Syntax: az vm create --resource-group <name of your resource group> --name <name of your Vm> --image UbuntuLTS --vnet-name <vnet Name> --subnet <Subnet Name> --admin-username <user Name> --admin-password "<Password>" --size Standard\_B1s --ngs "" -l <location> (not required if same as Vnet if different to be mentioned here)

Ex: **az vm create --resource-group azure\_ajay --name LINXVM1 --image UbuntuLTS --vnet-name vnet1 --subnet Subnet2 --admin-username adminajay --admin-password "India@1234567" --size Standard\_B1s --nsg " "**

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**VNet Peering:**

az group create --location eastus --name azure\_ajay\_1

az network vnet create -g azure\_ajay\_1 -n Vnet1 --address-prefix 10.1.0.0/16 --subnet-name Subnet1 --subnet-prefix 10.1.1.0/24 -l eastus

az network vnet create -g azure\_ajay\_1 -n Vnet2 --address-prefix 172.1.0.0/16 --subnet-name Subnet1 --subnet-prefix 172.1.1.0/24 -l eastus

az network vnet create -g azure\_ajay\_1 -n Vnet3 --address-prefix 192.1.0.0/16 --subnet-name Subnet1 --subnet-prefix 192.1.1.0/24 -l westus2

az vm create --resource-group azure\_ajay\_1 --name LNXVM1 --image UbuntuLTS --vnet-name vnet1 --subnet Subnet1 --admin-username adminajay --admin-password "India@1234567" --size Standard\_B1s --nsg " "

az vm create --resource-group azure\_ajay\_1 --name LNXVM1 --image UbuntuLTS --vnet-name vnet1 --subnet Subnet1 --admin-username adminajay --admin-password "India@1234567" --size Standard\_B1s --nsg " "

az vm create --resource-group azure\_ajay\_1 --name LNXVM1 --image UbuntuLTS --vnet-name vnet1 --subnet Subnet1 --admin-username adminajay --admin-password "India@1234567" --size Standard\_B1s --nsg " " -l westus2