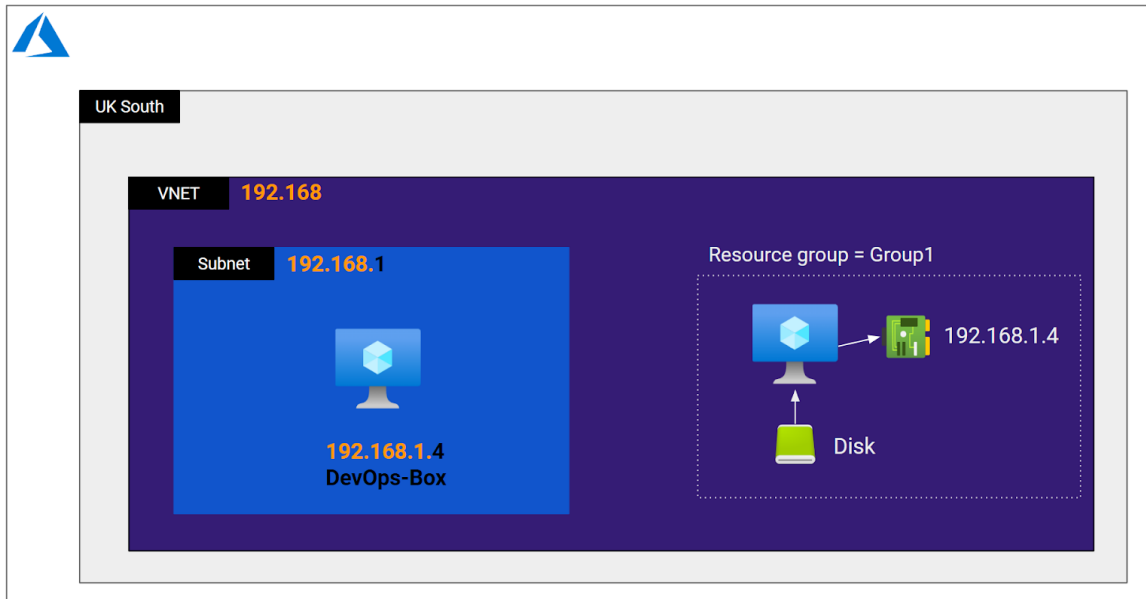


Create a VM with a static private IP address using the Azure CLI

Windows Server 2016



Install Azure CLI:

Start PowerShell as administrator and run the following command:

```
Unset
$ProgressPreference = 'SilentlyContinue'; Invoke-WebRequest -Uri
https://aka.ms/installazurecliwindows -OutFile .\AzureCLI.msi;
Start-Process msixexec.exe -Wait -ArgumentList '/I AzureCLI.msi
/quiet'; Remove-Item .\AzureCLI.msi
```

Log in to Azure

```
Unset
az login
```

Create a Resource group

```
Unset
az group create `
```

```
--name RG-Domain `  
--location eastus2
```

Add a Virtual network

```
Unset  
az network vnet create `  
  --resource-group RG-Domain `  
  --name VNET-Domain `  
  --address-prefixes 192.168.0.0/16
```

Add Subnet

```
Unset  
az network vnet subnet create `  
  --resource-group RG-Domain `  
  --vnet-name VNET-Domain `  
  --name Subnet-Domain `  
  --address-prefixes 192.168.1.0/24
```

Create a Public IP

```
Unset  
az network public-ip create `  
  --resource-group RG-Domain `  
  --name DC-PublicIP `  
  --allocation-method Static
```

Create a VM

```
Unset  
az vm create `  
  --name dc1 `  
  --resource-group RG-Domain `  
  --public-ip-address DC-PublicIP `  
  --image win2016datacenter `  
  --admin-username azureuser `  
  --admin-password 123456789aA# `
```

```
--size Standard_DS1_v2 `
--vnet-name VNET-Domain `
--subnet Subnet-Domain
```

Display your VMs

```
Unset
az vm list --resource-group RG-Domain -o table
```

To set a Static Private IP, we need to know the NIC Name of the VM

```
Unset
az vm show --resource-group RG-Domain --name dc1 --query
"networkProfile.networkInterfaces[].id | [0]" --output tsv
```

/subscriptions/9106772c-0e98-4a3a-a2d2-952c510016c9/resourceGroups/RG-Domain/providers/Microsoft.Network/networkInterfaces/**dc1VMNic**

From the VM NIC get the current Static IP

```
Unset
az vm show --resource-group RG-Domain --name dc1 -d --query
"privateIps" --output tsv
```

Output: 192.168.1.4

Set this IP as Static IP

```
Unset
az network nic ip-config update `
--name ipconfigdc1 `
--resource-group RG-Domain `
--nic-name dc1VMNic `
--private-ip-address 192.168.1.4
```

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Unset

```
az network public-ip create `
  --resource-group RG-Domain `
  --name L-JIM-PublicIP `
  --allocation-method Static
```

```
az vm create `
  --name L-JIM `
  --resource-group RG-Domain `
  --public-ip-address L-JIM-PublicIP `
  --image MicrosoftWindowsDesktop:Windows-10:win10-22h2-pro-g2:latest `
  --admin-username azureuser `
  --admin-password 123456789aA# `
  --size Standard_DS1_v2 `
  --vnet-name VNET-Domain `
  --subnet Subnet-Domain
```

```
az vm show --resource-group RG-Domain --name L-JIM --query
"networkProfile.networkInterfaces[].id | [0]" --output tsv
```

Output:

/subscriptions/9106772c-0e98-4a3a-a2d2-952c510016c9/resourceGroups/RG-Domain/providers/Microsoft.Network/networkInterfaces/L-JIMVMNic

```
az vm show --resource-group RG-Domain --name L-JIM -d --query
"privateIps" --output tsv
```

Output:

192.168.1.5

```
az network nic ip-config update `
  --name ipconfigL-JIM `
  --resource-group RG-Domain `
  --nic-name L-JIMVMNic `
  --private-ip-address 192.168.1.5
```