

Step 1 - CONFIGURE YOUR ENVIRONMENT

Install Azure CLI (Homebrew) for MAC

Inside the Mac terminal run the following command:

brew update && brew install azure-cli

Install Azure CLI for Windows

The MSI distributable is used for installing or updating the Azure CLI on Windows.

https://aka.ms/installazurecliwindows



Step 2 - Connect to Your Azure Subscription

1. Use the **interactive login** to log in to Azure using your enterprise credentials or Microsoft account identity:

az login

1. Sign in using your identity associated with your Azure subscription.

Step 3 - CREATE YOUR NETWORK RESOURCES

Create a Resource Group

- 1. Use the following command to create a new resource group with the following details:
- Name: username
- Location: designated location

az group create --name <username> --location <designated>

Eg: # az group create --name lcastro --location eastus

```
SJCMAC17JJHD4:Downloads lcastro$ az group create --name lcastro --location eastus
{
    "id": "/subscriptions/6bcf9eb8-9994-44d8-bd69-4bad91926bb5/resourceGroups/lcastro",
    "location": "eastus",
    "managedBy": null,
    "name": "lcastro",
    "properties": {
        "provisioningState": "Succeeded"
    },
    "tags": null,
    "type": "Microsoft.Resources/resourceGroups"
}
SJCMAC17JJHD4:Downloads lcastro$
```



az group show --name username

Step 4 - Create Virtual Machine

az vm create --resource-group <username> \

- --name <username+VM1>\
- --image UbuntuLTS \
- --generate-ssh-keys \
- --output json \
- --verbose

```
SJCMAC17JJHD4:Downloads lcastro$ az vm create --resource-group lcastro \
> --name lcastroVM1 \
> --image UbuntuLTS \
> --generate-ssh-keys \
> --output json \mathred{n} create --resource-group |castro \T]
> --verbose
Failed to retrieve image alias doc interprive interprive image alias doc interprive interprive image alias doc interprive image alias doc interprive interprive image alias doc interprive image alias doc interprive interprive image alias doc interprive interprive image alias doc interprive image alias doc interprive
```



After creation validate the JSON Output

```
{
  "fqdns": "",
  "id": "/subscriptions/6bcf9eb8-9994-44d8-bd69-4bad91926bb5/resourceGroups/lcastro/
providers/Microsoft.Compute/virtualMachines/lcastroVM1",
  "location": "eastus",
  "macAddress": "00-0D-3A-13-C7-4A",
  "powerState": "VM running",
  "privatelpAddress": "10.0.0.4",
  "publiclpAddress": "52.170.86.57",
  "resourceGroup": "lcastro",
  "zones": ""
}
```

Step 5 - Connect to VM

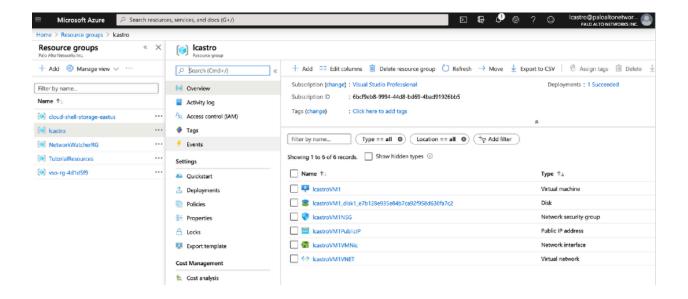
ssh <PUBLIC_IP_ADDRESS>

ssh 52.170.86.57

```
SJCMAC17JJHD4:Downloads lcastro$ ssh 52.170.86.57
The authenticity of host '52.170.86.57 (52.170.86.57)' can't be established.
ECDSA key fingerprint is SHA256:yqnQkoUbBL4PQHmgr400ZgAC00ejCeMymTiAIevF/kU.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '52.170.86.57' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.4 LTS (GNU/Linux 5.0.0-1032-azure x86_64)
 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.c
* Support: https://ubuntu.com/advantage
                   https://landscape.canonical.com
  System information as of Mon Mar 30 18:53:44 UTC 2020
  System load: So.0 5 - Connect Processes:
                                                        107
  Usage of /: 4.0% of 28.90GB Users logged in:
  Memory usage: 9%
                                  IP address for eth0: 10.0.0.4
  Swap usage: 0%
                  h < PUBLIC IP ADDRESS>
0 packages can be updated.
0 updates are security updates.
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.
lcastro@lcastroVM1:~$
```



Step 6 - Confirm Resources inside the Azure Web Portal



Step 7 - Cleanup

Delete assets inside the Resource Group created

az group wait --name <username> --deleted

Validate inside the Azure Web Console the assets has been deleted.