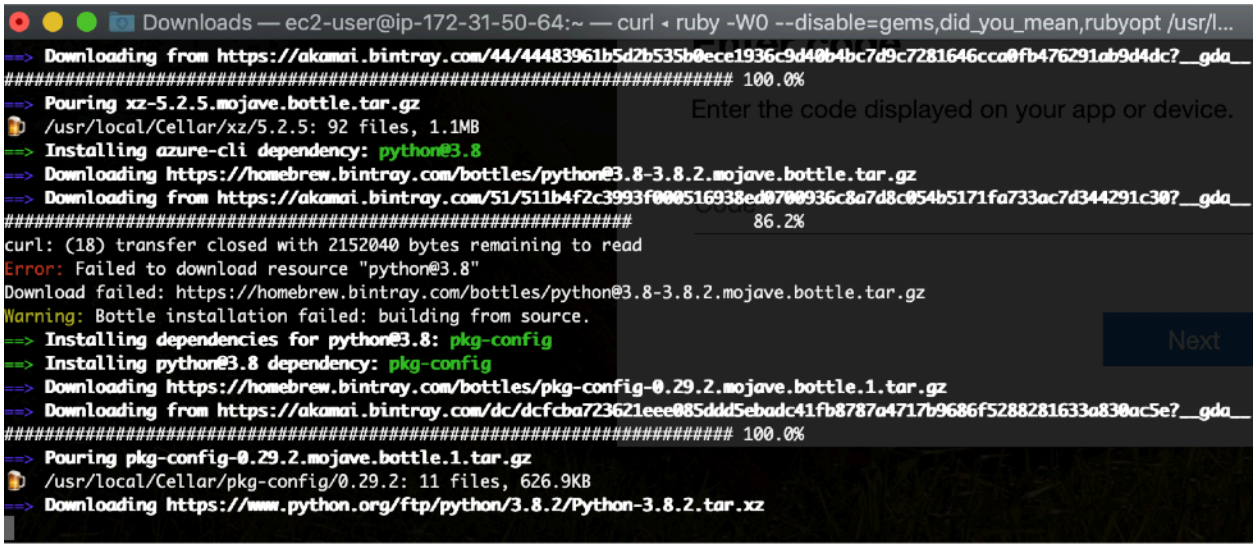
Step 1 - CONFIGURE YOUR ENVIRONMENT

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.

```
SJCMAC17JJHD4:Downloads lcastro$ az login
You have logged in. Now let us find all the subscriptions to which you have access...
[
  {
    "cloudName": "AzureCloud",
    "homeTenantId": "66b66353-3b76-4e41-9dc3-fee328bd400e",
    "id": "6bcf9eb8-9994-44d8-bd69-4bad91926bb5",
    "isDefault": true,
    "managedByTenants": [],
    "name": "Visual Studio Professional",
    "state": "Enabled",
    "tenantId": "66b66353-3b76-4e41-9dc3-fee328bd400e",
    "user": {
      "name": "lcastro@paloaltonetworks.com",
      "type": "user"
    }
  }
]
```

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 \
>   --verbose
Failed to retrieve image alias doc 'https://raw.githubusercontent.com/Azure/azure-rest-api-specs/master/arm-compute/quickst
art-templates/aliases.json'. Error: 'ConnectionError'. Use local copy instead.
SSH key files '/Users/lcastro/.ssh/id_rsa' and '/Users/lcastro/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow S
SH access to the VM. If using machines without permanent storage, back up your keys to a safe location.
{
  "fqdns": "",
  "id": "/subscriptions/6bcf9eb8-9994-44d8-bd69-4bad91926bb5/resourceGroups/lcastro/providers/Microsoft.Compute/virtualMach
ines/lcastroVM1",
  "location": "eastus",
  "macAddress": "00-0D-3A-13-C7-4A",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "52.170.86.57",
  "resourceGroup": "lcastro",
  "zones": ""
}
command ran in 82.153 seconds.
SJCMAC17JJHD4:Downloads lcastro$
```

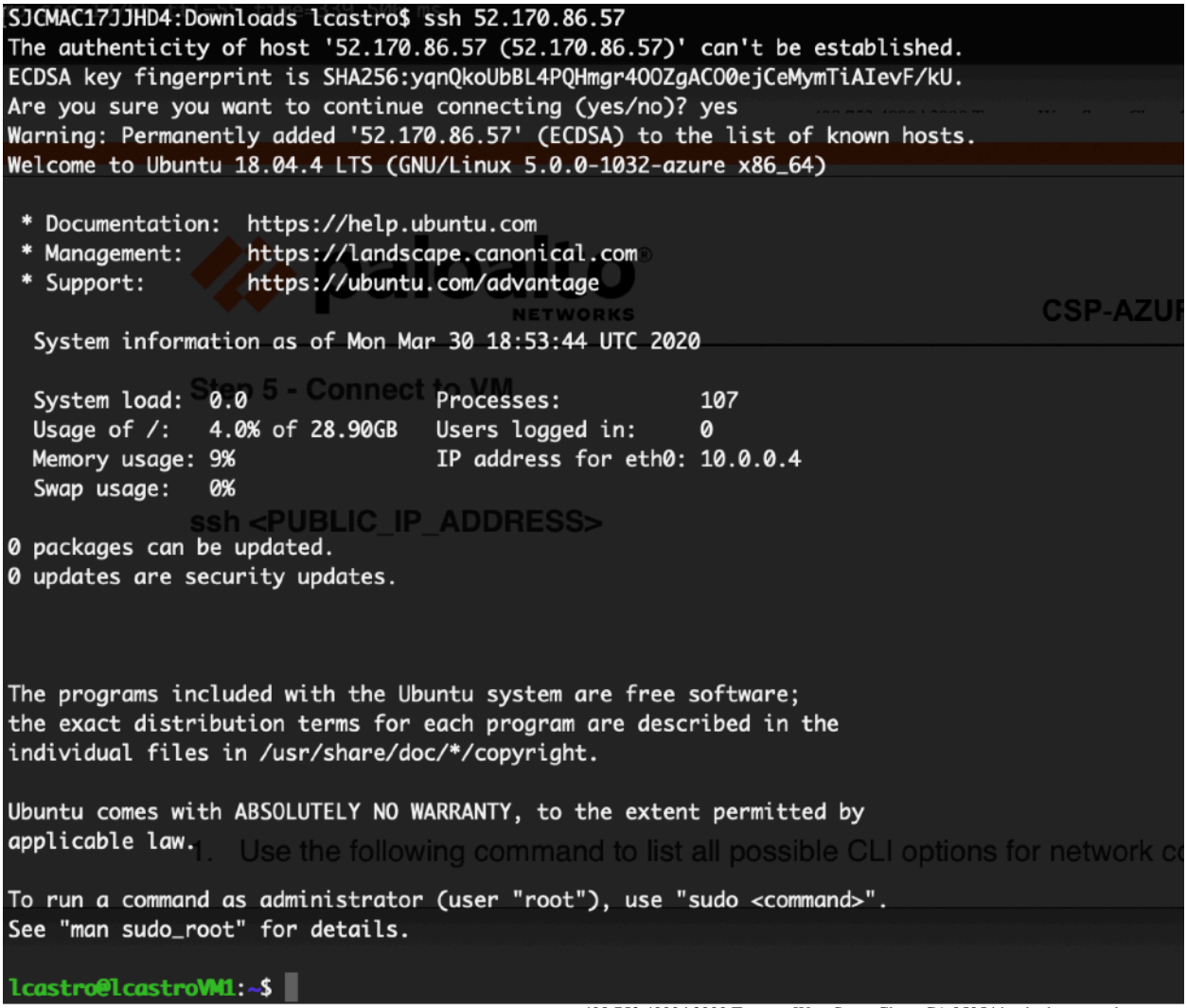
After creation validate the JSON Output


```
{
  "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",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "52.170.86.57",
  "resourceGroup": "lcastro",
  "zones": ""
}
```

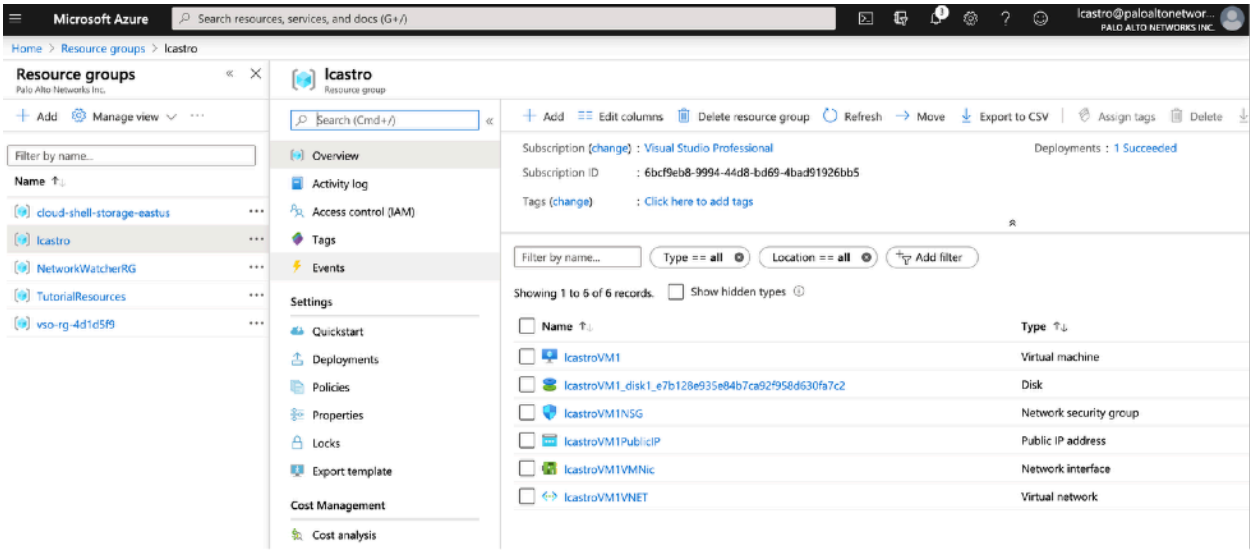

Step 5 - Connect to VM

ssh <PUBLIC_IP_ADDRESS>

ssh 52.170.86.57



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.