

HP

# TASK - THIRTEEN

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AJIN P JOHNSON

- Visit [Azure Free Account page](#).
- Click **Start Free**.
- Sign in with a Microsoft account or create one.
- Provide billing information and verify payment method (you won't be charged unless you exceed free-tier usage).
- Finish setup and access Azure portal.

### *Steps to Create a VM in Azure from the Azure Portal*

#### **1. Sign in to Azure Portal**

- Go to [Azure Portal](#).
- Sign in with your Microsoft Azure account credentials.

#### **2. Create a Resource Group (Optional but recommended)**

- In the left-hand navigation pane, select **Resource groups**.
- Click + **Create**.
- Provide a name for the resource group (e.g., myResourceGroup).
- Choose a **Region** where your resources will be located (e.g., East US).
- Click **Review + create**, and then **Create**.

#### **3. Create the Virtual Machine**

- In the Azure portal, search for **Virtual machines** in the search bar at the top or select **Virtual machines** from the left-hand menu.
- Click + **Create** > **Azure virtual machine**.

##### **3.1 Basics Tab**

- **Subscription:** Ensure the correct Azure subscription is selected.
- **Resource Group:** Select the resource group you created earlier (myResourceGroup), or create a new one.
- **Virtual Machine Name:** Enter a name for your VM (e.g., myWindowsVM).
- **Region:** Choose a region where the VM will be hosted (same region as the resource group for consistency).
- **Availability options:** Choose `No infrastructure redundancy required` unless you need availability features.
- **Image:** Choose the windows/ubuntu image you want
- **Size:** Select a size for your VM. If you're using a free account, choose a **B1s** size which falls under the free tier.
- **Administrator Account:**

- **Username:** Choose a username for your VM (e.g.ajin).
- **Password:** Set a secure password for logging into the VM.

### 3.2 Disks Tab

- Choose **Standard SSD** for better performance or **Standard HDD** if you're minimizing costs.
- Keep the default settings unless you have specific disk requirements.

### 3.3 Networking Tab

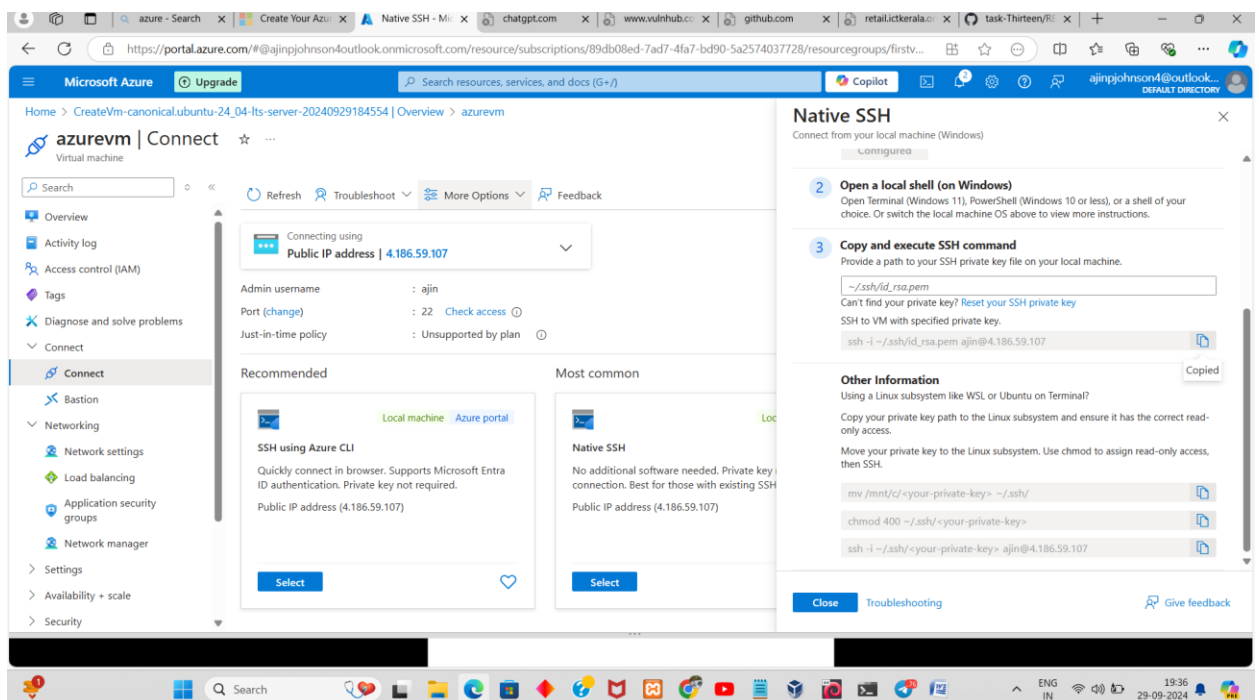
- **Virtual network:** Use the default virtual network or create a new one.
- **Public IP:** Ensure a **Public IP** address is assigned so you can access the VM remotely.
- **NIC network security group (NSG):** Select **Basic**.
  - **Inbound ports:** Enable **RDP (3389)** to allow remote desktop connection to the VM.
  - You can also add additional rules later if necessary.

### 3.4 Management Tab

- **Boot diagnostics:** Leave this enabled for troubleshooting purposes.
- Keep the default settings for the rest unless you have specific management requirements.

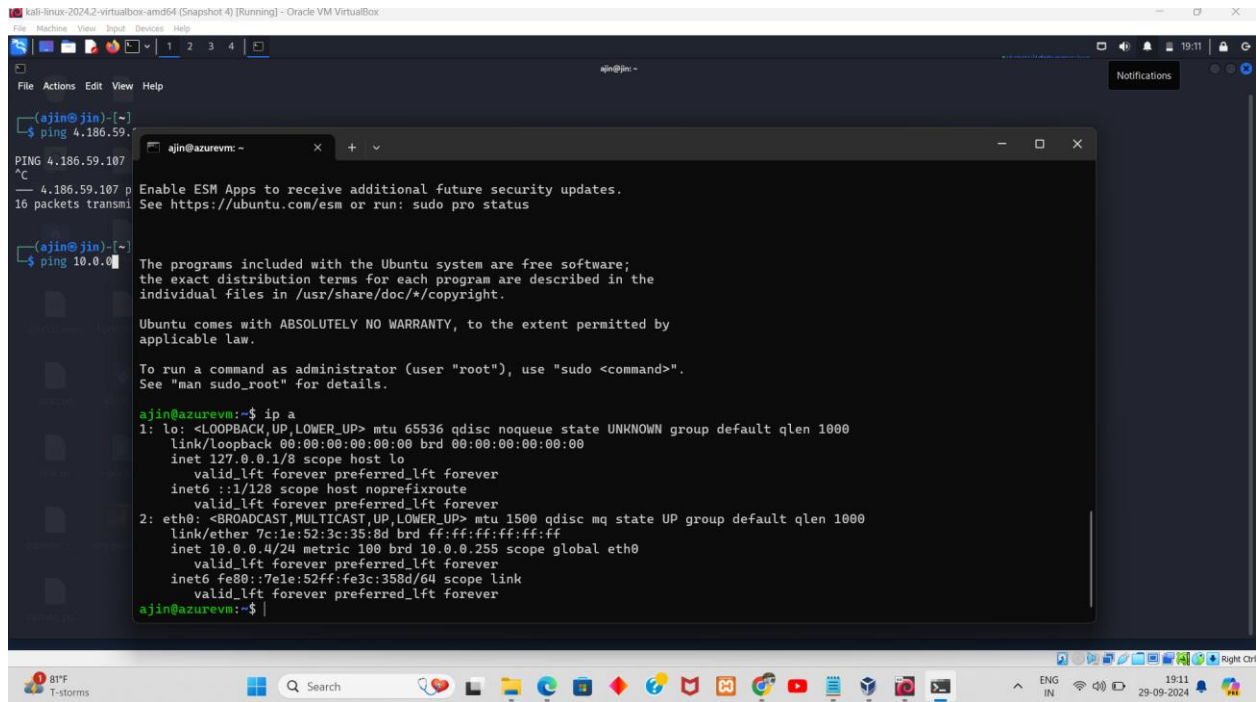
### 3.5 Review + Create

- Click **Review + Create** to review the VM settings.
- After validation passes, click **Create**.



enter your password and login

## ping vm ip from kali linux



```
kali-linux-2024.2-virtualbox-amd64 (Snapshot 4) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

ajin@jin: ~
File Actions Edit View Help

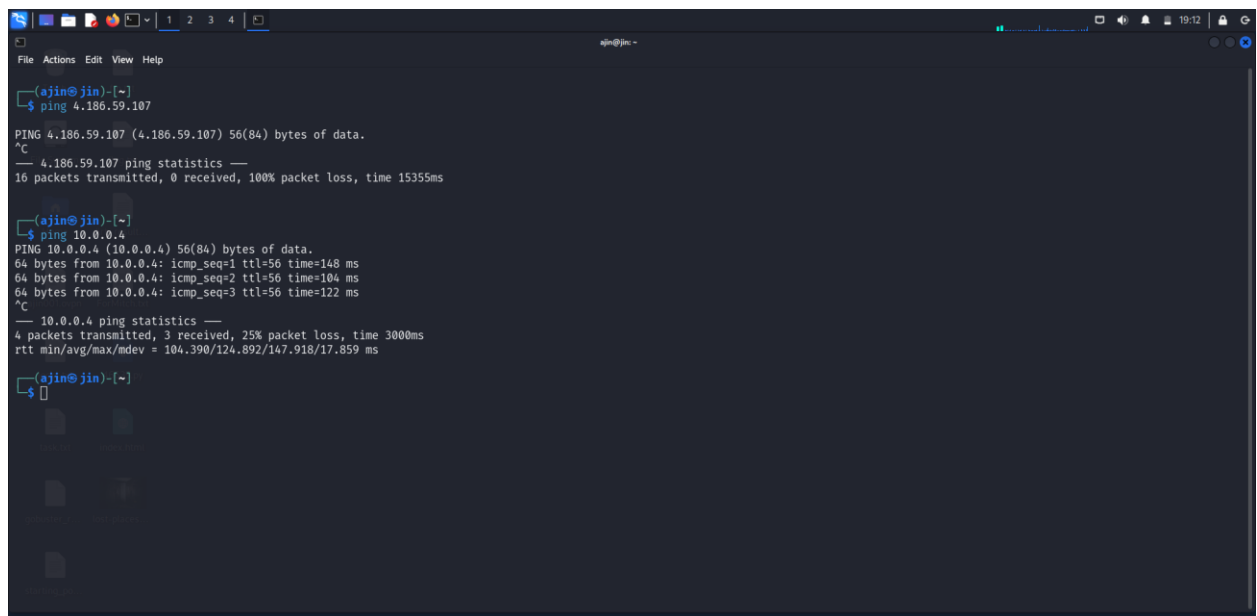
(ajin@jin)-[~]
$ ping 4.186.59.107
PING 4.186.59.107: 56(84) bytes of data:
^C
--- 4.186.59.107 ping statistics ---
16 packets transmitted, 0 received, 100% packet loss, time 15355ms

(ajin@jin)-[~]
$ ping 10.0.0.4
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=56 time=148 ms
64 bytes from 10.0.0.4: icmp_seq=2 ttl=56 time=104 ms
64 bytes from 10.0.0.4: icmp_seq=3 ttl=56 time=122 ms
^C
--- 10.0.0.4 ping statistics ---
4 packets transmitted, 3 received, 25% packet loss, time 3000ms
rtt min/avg/max/mdev = 104.390/124.892/147.918/17.859 ms

(ajin@jin)-[~]
$

ajin@azurevm: ~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 7c:1e:52:3c:35:8d brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.4/24 metric 100 brd 10.0.0.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::7c1e:52ff:fe3c:358d/64 scope link
        valid_lft forever preferred_lft forever
ajin@azurevm:~$
```

Here my vm ip is :10.0.0.4



```
kali-linux-2024.2-virtualbox-amd64 (Snapshot 4) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

ajin@jin: ~
File Actions Edit View Help

(ajin@jin)-[~]
$ ping 4.186.59.107
PING 4.186.59.107 (4.186.59.107) 56(84) bytes of data:
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--- 4.186.59.107 ping statistics ---
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--- 10.0.0.4 ping statistics ---
4 packets transmitted, 3 received, 25% packet loss, time 3000ms
rtt min/avg/max/mdev = 104.390/124.892/147.918/17.859 ms

(ajin@jin)-[~]
$
```

*try pinging your public IP from cloud VM.*

```
inet 127.0.0.1/8 scope host lo
    valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
    valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 7c:1e:52:3c:35:8d brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.4/24 metric 100 brd 10.0.0.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::7e1e:52ff:fe3c:358d/64 scope link
        valid_lft forever preferred_lft forever
ajin@azurevm:~$ ping 137.97.94.132
PING 137.97.94.132 (137.97.94.132) 56(84) bytes of data.
^C
--- 137.97.94.132 ping statistics ---
18 packets transmitted, 0 received, 100% packet loss, time 17401ms
ajin@azurevm:~$ |
```

the best models

ChatGPT can make mistakes. Check important info.

Can't ping my public ip