

Lab Steps: Setting Up Apache Web Server on Azure Linux VM

1. Create the Linux VM

- Log in to the Azure Portal.
- Go to "Virtual Machines" and click "Create."
- Choose an Ubuntu Server image.
- Select a size and configure the VM with a public IP address.
- Complete the setup and start the VM.

2. Connect to the VM

- Use SSH to connect to the Linux VM:
`ssh <username>@<VM_Public_IP>`
- Replace <username> with the VM's username and <VM_Public_IP> with its public IP.

3. Install Apache Web Server

- Update the system packages:
`sudo apt update`
- Install Apache:
`sudo apt install apache2 -y`
- Start and enable the Apache service:
`sudo systemctl start apache2`
`sudo systemctl enable apache2`

4. Open Port 80 in Azure

- Go to the Azure Portal.
- Navigate to the VM's "Networking" section.
- Add an inbound security rule with the following settings:
 - Port: 80
 - Protocol: TCP
 - Source: Any (or your specific IP range)
- Save the rule.

5. Verify Apache Web Server

- Open a web browser and visit:
`http://<VM_Public_IP>`
- You should see the default Apache welcome page.

6. Customize the Web Page (Optional)

- Edit the default Apache page:
`sudo nano /var/www/html/index.html`
- Replace the content with your own HTML code.
- Save the file and refresh the browser to see your custom page.