**Step 1: Install Nginx on Ubuntu**

1. Update the package list for upgrades and new package installations

**sudo apt-get update**

1. Install Nginx

**sudo apt-get install nginx**

1. Start Nginx

**sudo systemctl start nginx**

**Step 2: Host a website**

1. Create a new directory for your website

**sudo mkdir /var/www/mywebsite**

1. Create a simple HTML file

**echo “<h1>Welcome to My Website !!</h1>”**

1. Create a new Nginx server block configurations

**sudo nano etc/nginx/sites-available/mywebsite**

1. Add the following configuration

**server {**

**listen 80;**

**server\_name awesomeweb;**

**location / {  
 root html\awesomeweb;**

**index index.html index.html;**

**}**

**}**

1. Enable the new configuration

**sudo ln -s** **etc/nginx/sites-available/mywebsite etc/nginx/sites-available**

1. Restart Nginx to apply changes

**sudo systemctl restart nginx**

**Step 3: Scan with Nmap**

1. Install Nmap on your host machine. If you are using ubuntu , pls use following command

**sudo apt-get install nmap**

1. Scan the Ubuntu Machine

**nmap -v – A <ipAddress-of-ubuntu-machine>**

In the above command replace **<ipAddress-of-ubuntu-machine>** with the actual IP Address of your Ubuntu Machine.

The Output of the Nmap scan will show you which ports are open on ubuntu machine. Look for the line says “80/tcp open http nginx” , which indicates that Nmap was able to connect to Nginx server on port 80.