

Name:-VASUDEVARAO MAHAJANAM

Batch: June 01, 2022

Tutor: Raham Shaik

Project: Web Servers Installation

APACHE WEB SERVER INSTALLATION ON UBUNTU:-

2. Installing Apache

To install Apache, install the latest meta-package apache2 by running:

```
sudo apt update  
sudo apt install apache2 -y
```

- Installed Apache Webserver on the Ubuntu Machine by running the (apt install apache2 -y) command.
- Restarted the Apache services by running (systemctl restart apache2.service) command.
- Checked Apache services by running (systemctl status apache2.service) command.
- Went to cd /var/www/html/ and created index.html file.
- Wrote Basic Html program on demo.html file

```
<html>  
  <head>  
    <title>Welcome to Apache Webserver!</title>  
  <head/>  
  <body>  
    <h1> Successfully Connected to Apache WebServer!</h1>  
  <body/>  
</html>
```

Go to browser and paste public-ip or publicip:80 port

Successfully Connected to Apache WebServer!

NGINX WEBSERVER INSTALLATION ON AMAZON LINUX 2:

- Installed extra package by running the (amazon-linux-extras install epel) command.

- Installed nginx by running the (yum install nginx command)

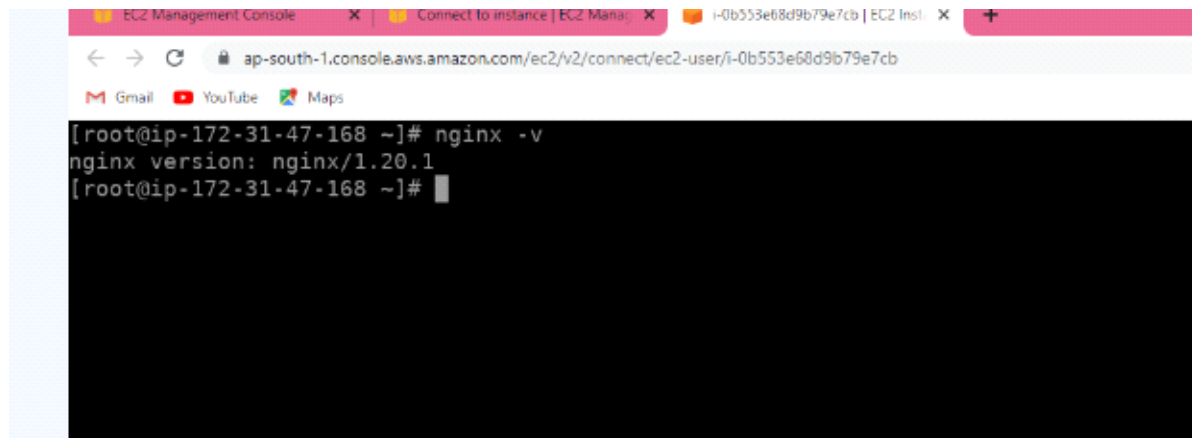
```

/etc/yum.repos.d/nginx.repo" [New] 17L, 439B written
root@ip-172-31-47-168 ~]# systemctl restart nginx.service
root@ip-172-31-47-168 ~]# systemctl status nginx.service
nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; vendor preset: disabled)
   Active: active (running) since Sat 2022-07-23 10:43:38 UTC; 36s ago
     Process: 4051 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
     Process: 4046 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
     Process: 4045 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
   Main PID: 4053 (nginx)
   CGroup: /system.slice/nginx.service
           └─4053 nginx: master process /usr/sbin/nginx
             └─4054 nginx: worker process

Jul 23 10:43:38 ip-172-31-47-168.ap-south-1.compute.internal systemd[1]: Starting The nginx HTTP and reverse proxy se....
Jul 23 10:43:38 ip-172-31-47-168.ap-south-1.compute.internal nginx[4046]: nginx: the configuration file /etc/nginx/ng...ok
Jul 23 10:43:38 ip-172-31-47-168.ap-south-1.compute.internal nginx[4046]: nginx: configuration file /etc/nginx/nginx...ul
Jul 23 10:43:38 ip-172-31-47-168.ap-south-1.compute.internal systemd[1]: Started The nginx HTTP and reverse proxy server.
int: Some lines were ellipsized, use -l to show in full.
root@ip-172-31-47-168 ~]#

```

- Checked nginx version by running the (nginx -v) command



```

[root@ip-172-31-47-168 ~]# nginx -v
nginx version: nginx/1.20.1
[root@ip-172-31-47-168 ~]#

```

- Wrote script on nginx.repos by running the (vim /etc/yum.repos.d/nginx.repo) command.

```

name=nginx stable repo
baseurl=http://nginx.org/packages/centos/$releasever/$basearch/
gpgcheck=1
enabled=1
gpgkey=https://nginx.org/keys/nginx_signing.key
module_hotfixes=true

[nginx-mainline]
name=nginx mainline repo
baseurl=http://nginx.org/packages/mainline/centos/$releasever/$basearch/
gpgcheck=1
enabled=0
gpgkey=https://nginx.org/keys/nginx_signing.key
module_hotfixes=true

```

- Restart the nginx by running the (systemctl restart nginx.service) command.
- Checked nginx status by running the (systemctl status nginx.service) command.

Public IP is configured with port 80 by running the (curl localhost:80) command.

```

root@ip-172-31-47-168 ~]# curl localhost:80
!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
html>
head>
title>Welcome to Amazon Linux 2</title>
style rel="stylesheet" type="text/css">
tml { background-color: white; font-family: "DejaVu Sans", "Liberation Sans", sans-serif; margin: 10% 20%; }
ody { margin:0; padding:0; background: white; }
 { color: #007eb9; }
/style>
/head>

body>

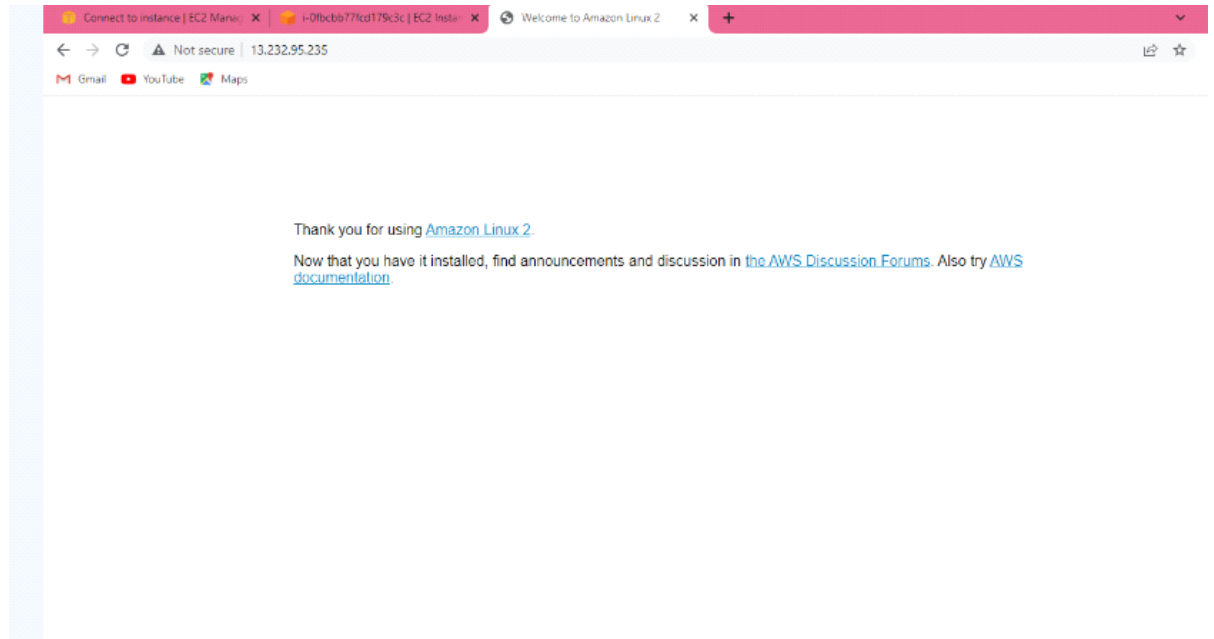
p>Thank you for using <a href="https://aws.amazon.com/amazon-linux-2/">Amazon Linux 2</a>.<p>

p>Now that you have it installed, find announcements and discussion in <a href="https://forums.aws.amazon.com/forum.jspa?forumID=228">the AWS Discussion Forums</a>. Also try <a href="https://aws.amazon.com/documentation/">AWS documentation</a>
</p>

/body>
/html>
root@ip-172-31-47-168 ~]#

```

- Taken Instance Public IP address with port 80 and pasted it on the browser to check Nginx webserver is working or not.



IIS INSTALLATION:

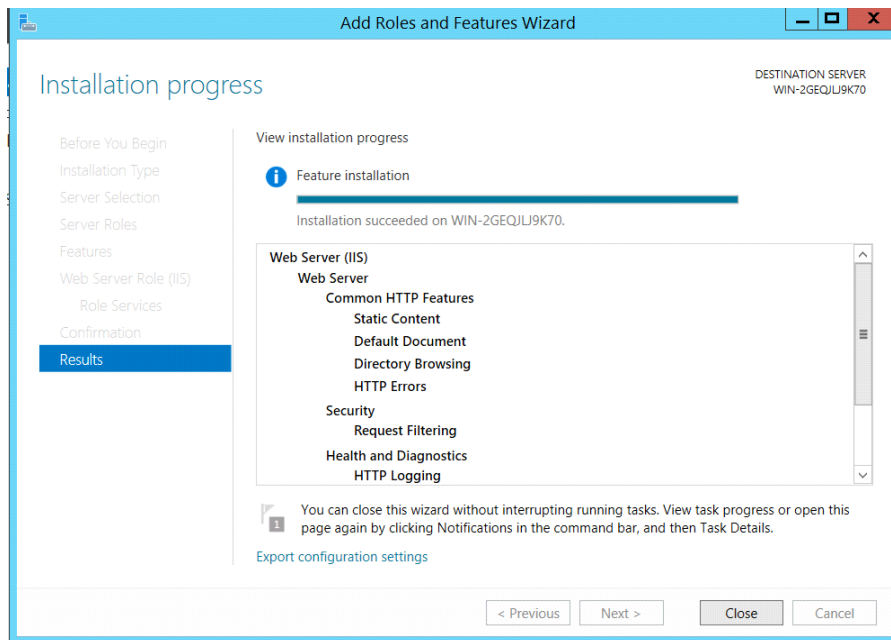
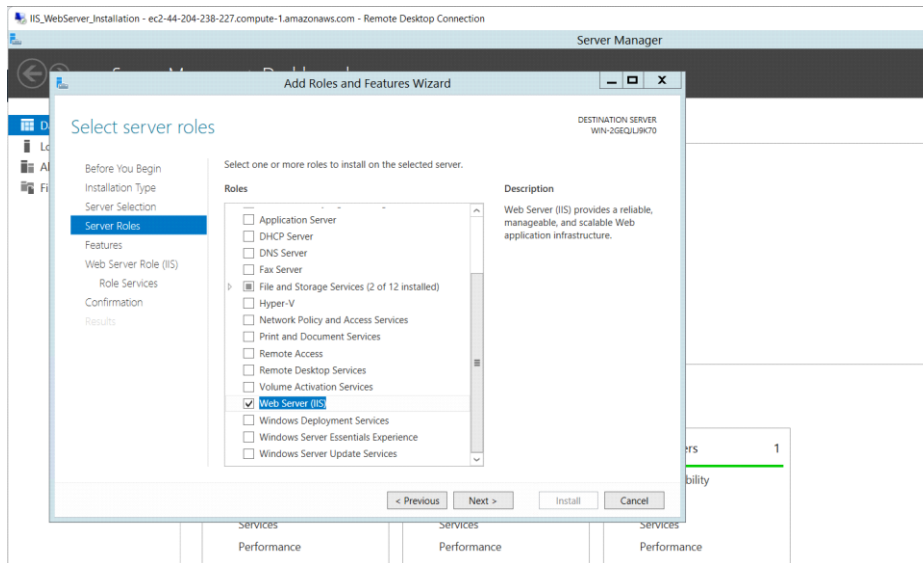
Taken AMI-MicrosoftWindows Server 2012

As a base

Instance type :t2 micro

Ports :RDP,HTTP,HTTPS(SOURCES ANY WHERE)

- KEYPAIR=Connected through RDP Client by downloading it and decrypting the password.
- Connected to the server through RDP Client.
- Opened Server Manager and installed Web Server IIS role.



- Opened C drive went to inetpub/wwwroot deleted two files.
- Created a new text file and wrote a basic Html script and later saved it as index.html
- Taken the Public IP address of the server and pasted it on the browser to check whether the server is connected or not.
- Successfully connected to the IIS Webserver.
- AND THIS PAGE WILL APPEAR it is default page of iis server
- WINDOWS SERVER (INTERNET INFORMATION SERVICES)



Which means we have successfully configured our IIS server on our Windows Server instance. Just verify it's accessible over the internet by copying the public IP of the instance and opening it in a new tab.

Once we do that, we see the default page of the IIS web server, which confirms the IIS server is working on our Windows Server instance. Plus, it is accessible over the internet.

The IIS server is configured successfully.