Orange County Community College

Computer Science and Technology Department

**Cit 215 – Web admin**

Laboratory Exercise 1

**Name: \_\_Alex DeGhetto\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_1/26/23\_\_\_\_\_\_\_\_\_\_**

Part 1:

Log into your Linux Apache vm and install Apache 2 and make sure that it is up and running with at least localhost

You can follow the notes that are on Brightspace for the installation.

Create your own installation guide on how you went about the install and paste it here

Once you boot up your ubuntu apache version, open terminal and make sure you have sudo privileges.

Use the commands:

Sudo apt update

(Put in password)

Sudo apt upgrade

Once the prompt asks you to confirm by either typing Y/N, enter (y)

Then install apache2 with the following command

Sudo apt install apache2

Then you have to enable the firewall and make sure its active.

Use the command below to make sure you are 100% with the instructions.

Sudo ufw app list

The output should be what is shown below:

Available applications:

Apache

Apache Full

Apache Secure

Bind9

CUPS

OpenSSH

Then use the command

Sudo ufw allow ‘Apache Full’

(Enter password)

It should output the following:

Rules Updated

Rules Updates (v6)

Then enable the firewall with the following command

Sudo ufw enable

Then make sure its active with the following

Sudo ufw status

Finally, make sure your web server is up

Open a web browser and type in “127.0.0.1” or “http:\\localhost”

Part 2:

Log into your nginx VM and install nginx and make sure that it is up and running with at least localhost access

Create your own install guide and paste it here.

Once you boot up your ubuntu Nginx version, open terminal and make sure you have sudo privileges.

Use the commands:

Sudo apt update

Sudo apt install nginx

Once the prompt asks you to confirm by either typing Y/N, enter (y)

Then you have to enable the firewall and make sure its active.

Use the command below to make sure you are 100% with the instructions.

Sudo ufw app list

The output should be what is shown below:

Available applications:

Nginx Full

Nginx HTTP

Nginx HTTPS

OpenSSH

Then use the command

Sudo ufw allow ‘Nginx Full’

(Enter password)

It should output the following:

Rules Updated

Rules Updates (v6)

Then enable the firewall with the following command

Sudo ufw enable

Then make sure its active with the following

Sudo ufw status

Finally, make sure your web server is up

Open a web browser and type in “localhost”

Part 3: Log into your Windows 2022 instance and install IIS and make sure it is working with at least localhost access.

Paste your own install guide on how you went about the installation process.

Once you boot up your ubuntu windows version, make sure all your stuff is updated

Go to settings to do this

Once everything is updated, go to the server manager and go step by step on the “quick start” section.

Stall with role-based installation.

Select the destination server

And install Web Server IIS

Then click add features

Make sure the .NET Framework 4.8 Features is clicked and then click next

Continue through the rest until you confirm then click install

Once finished click close

Then test to see if its up by going to local host