

Web Server in Ubuntu 20.x

1. ຕັ້ງພາກຕາ

```
apt install apache2
```

2. ໃຫ້ apache ສາມາດ start ທຸກຄັ້ງເມື່ອເຄື່ອງ restart ຫຼື reboot

```
systemctl enable apache2.service
```

3. Restart apache

```
systemctl restart apache2.service
```

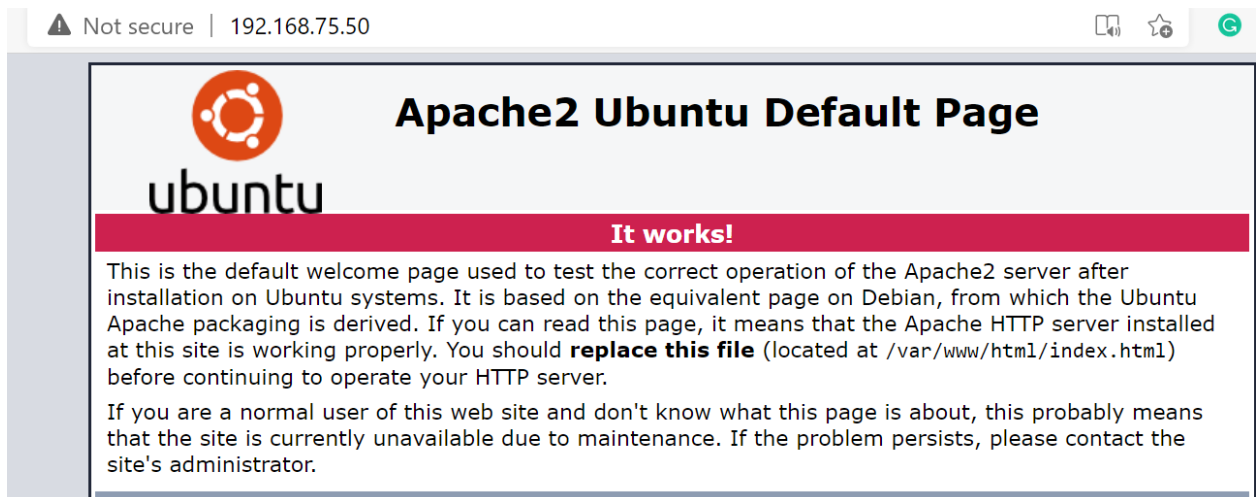
4. ເປີດໃຊ້ງານ apache ໃນ firewall

```
ufw allow 80/tcp comment 'accept Apache'  
ufw allow 443/tcp comment 'accept HTTPS connections'
```

5. ທົດສອບເວັບເຊີບເວີ

ພິມ IP ຂອງ server ໃສ່ web browser

ຕົວຢ່າງ <http://192.168.75.50>



6. ລຶບໜ້າທົດສອບຂອງ apache

```
mv /var/www/html/index.html /var/www/html/index.html-bk
```

7. ສ້າງໜ້າເວັບທົດສອບ

```
<html><body>
<div style="width: 100%; font-size: 50px; text-align: center; font-weight: bold;">
    Welcome to my web page
</div>
</body>
</html>
```

8. ການສ້າງ VirtualHost

- ສ້າງ directory ເກັບ web site

ສ້າງ directory web1 ແລະ web2 ຢູ່ພາຍໃນ /var/www/html/vhosts/ ເຊິ່ງໃນແຕ່ລະ web1 ແລະ web2 ຈະມີ directory ຍ່ອຍຊື່ log ເພື່ອເກັບໄຟລ log ໃນການເຂົ້າຫາ web site. ພວກເຮົາສາມາດເຂົ້າໄປກວດສອບ events ຕ່າງໆໄດ້ໃນນັ້ນ.

```
mkdir -p /var/www/html/vhosts/{web1/log,web2/log}
```

- ສ້າງໄຟລຄອນຟິກໃຫ້ web1

```
vim /etc/apache2/sites-available/web1.myserver.conf
```

```
<VirtualHost *:80>
    ServerAdmin admin@example.net
    ServerName myserver.com
    ServerAlias www.myserver.com
    DocumentRoot /var/www/html/vhosts/web1
    <Directory /var/www/html/vhosts/web1>
        Options Indexes FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog /var/www/html/vhosts/web1/log/error.log
    CustomLog /var/www/html/vhosts/web1/log/access.log combined
</VirtualHost>
```

- ສ້າງໄຟລຄອນຟິກໃຫ້ web2

```
vim /etc/apache2/sites-available/web2.myserver.conf
```

```
<VirtualHost *:80>
    ServerAdmin admin@example.net
    ServerName myserver.com
    ServerAlias mail.myserver.com
    DocumentRoot /var/www/html/vhosts/web2
        <Directory /var/www/html/vhosts/web2>
            Options Indexes FollowSymLinks
            AllowOverride All
            Require all granted
        </Directory>
    ErrorLog /var/www/html/vhosts/web2/log/error.log
    CustomLog /var/www/html/vhosts/web2/log/access.log combined
</VirtualHost>
```

ໝາຍເຫດ: Virtual host ຕ້ອງມີ ໃນ Forward zone ໃນ DNS record ເຊັ່ນ www.myserver.com,
mail.myserver.com

9. ເປີດ VirtualHost

```
a2ensite web1.myserver.conf
a2ensite web2.myserver.conf
a2dissite 000-default.conf
```

10. Test config:

```
apache2ctl configtest
```

11. Restart Apache

```
systemctl reload apache2
```

ທົດສອບ Virtual Host ໂດຍພິມ www.myserver.com ແລະ mail.myserver.com ໃສ່ browser