

Web Servers

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Apache

Introduction

Apache is the most popular web server on the internet. It is used to serve more than half of all active websites.

Setup & Configuration

Install

```
$ sudo apt-get install -y apache2
```

check Version

```
$ sudo apache2 -v # check version
```

start / stop server

```
$ sudo service apache2 start / stop
```

restart server

```
$ sudo /etc/init.d/apache2 restart (or)
```

```
$ sudo service apache2 restart
```

check status

```
$ sudo service status apache2
```

```
$ htop
```

configuration file

```
/etc/apache2
```

check Logs

```
$ sudo tail -f /var/log/apache2/error.log
```

Nginx

Introduction

Nginx (pronounced "Engine X") is a high performance web server. It was originally developed to tackle the 10K problem which means serving 10.000 concurrent connections. Nginx can be used as a standalone web server, or serve in front of other web servers as a reverse proxy.

Setup & Configuration

Install

```
$ sudo apt-get install -y nginx
```

check Version

```
$ sudo nginx -V # check version
```

start / stop server

```
$ sudo /etc/init.d/nginx start / stop
```

restart server

```
$ sudo /etc/init.d/nginx restart (or)
```

```
$ sudo systemctl restart nginx (or)
```

```
$ sudo service nginx restart
```

check status

```
$ sudo service status nginx
```

```
$ htop
```

configuration file

```
/etc/nginx/nginx.conf
```

check Logs

```
$ sudo tail -f /var/log/nginx/error.log
```

Notes

- To Disable Firewall

```
$ sudo ufw disable  
$ sudo service iptables stop
```

- To Redirect the Port 3000 to 80

```
$ sudo iptables -t nat -A PREROUTING -i eth0 -p tcp --dport 80 -j REDIRECT --to-port 3000
```

References

- <https://www.apache.org/>
- <http://nginx.com>