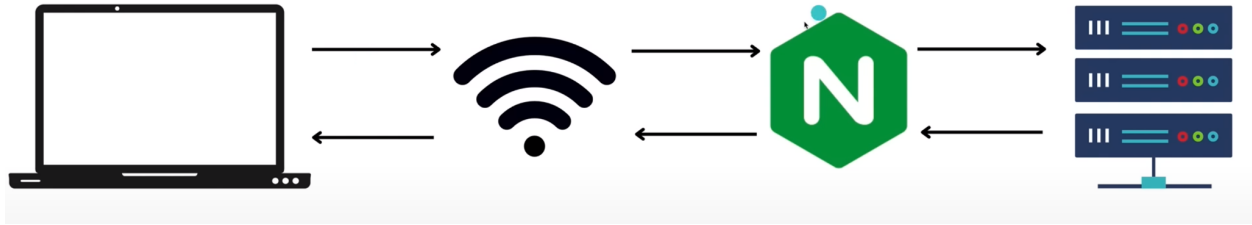


Nginx is a server that serves content to our browsers.



Nginx can work as both load balancer and reverse-proxy. It can also encrypt your data in-flight via https.

sudo apt install nginx

In a computer with nginx installed, it is located at **/usr/local/etc/nginx**

```
laithharb@Laiths-iMac ~ % cd /usr/local/etc/nginx
laithharb@Laiths-iMac nginx % ls
fastcgi.conf          mime.types            servers
fastcgi.conf.default  mime.types.default    uwsgi_params
fastcgi_params        nginx.conf            uwsgi_params.default
fastcgi_params.default nginx.conf.default     win-utf
koi-utf               scgi_params
koi-win              scgi_params.default
```

The most important file in this folder is **nginx.conf**, which contains all configuration for nginx to work as our server.

Command to run nginx: **sudo systemctl start nginx**

← → ↻ localhost:8080

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Key value pairs in nginx are directives:

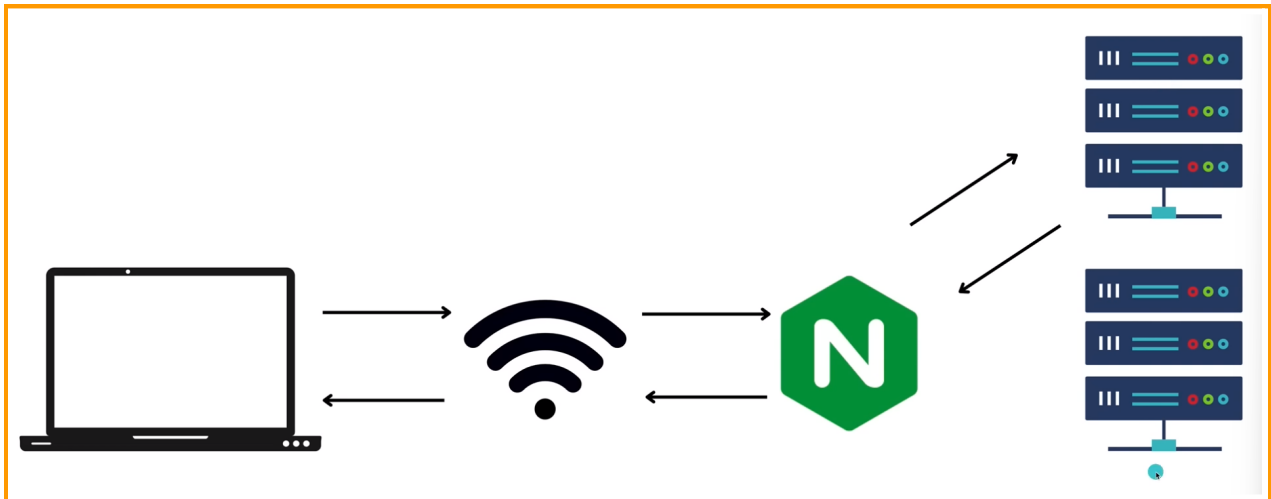
```
#user  nobody;  
worker_processes 1;
```

The blocks of code are called context, within the context, we can have many directives

```
events {  
    worker_connections 1024;  
}
```

To apply the changes that we have added to config file: **nginx -s reload**

nginx as loadbalancer



Dockerize angular app with nginx server:

<https://www.indellient.com/blog/how-to-dockerize-an-angular-application-with-nginx/>

Running Nginx as non root user:

<https://stackoverflow.com/questions/42329261/running-nginx-as-non-root-user>

Setting the correct hostname in Kubernetes/Nginx for the client:

<https://stackoverflow.com/questions/51664743/setting-the-correct-hostname-in-kubernetes-nginx-for-the-client>