

NGINX CONFIGURATION GUIDE

letc/nginx/ UNDERSTANDING FOLDER STRUCTURE

there are three main files in nginx folder as marked below

root@missionyouth:/etc/nginx# ls conf.d koi-win

fastcgi.conf

mime.types fastcgi_params koi-utf

modules-available modules-enabled root@missionyouth:/etc/nginx#

nginx.conf proxy_params scgi_params sites-available

sites-enabled snippets uwsgi_params win-utf

nginx. conf -> general configuration of nginx

- Sites-available -> Coutains configuration of an virtual hosts
- of vietual hosts sites-enabled -> contains systinks

ADDING A VIRTUAL HOST TO NGINX:

- 1) Navigate to letc/ngiñz/sites-available/
- a configuration file as sudo nano feontend Cepate
- (3) Consider following configuration as template

```
scence name of whost
server {
       listen 443 ssl default server;
                                                                      3 -> certificate.
       server_name missionyouth.jk.gov.in;
       ssl_certificate /home/admin1/Application/cert/jk.gov.in.crt;
       ssl_certificate_key /home/admin1/Application/cert/jk.gov.in.key;
                                                                     > access log dump
       access_log /home/admin1/Application/logs/frontend/access.log; ~
                                                                         path
       error_log /home/admin1/Application/logs/frontend/error.log;
                                                 > security feature: if eeq is not
       if ($request_method !~ ^(GET|POST)$ ) {
       return 401; }
                                                    GET OF POST then Estarns 401
       location / {
       proxy_pass "http://localhost:3000";
}
```

Similarly for BACKEND PROXY:

```
server {
        listen 443 ssl:
        server_name backendmissionyouth.jk.gov.in;
        ssl_certificate /home/admin1/Application/cert/jk.gov.in.crt;
        ssl_certificate_key /home/admin1/Application/cert/jk.gov.in.key;
        access_log /home/admin1/Application/logs/backend/access.log;
        error_log /home/admin1/Application/logs/backend/error.log;
        if ($request_method ~ ^(OPTIONS)$ )
                return 401;
        }
        if ($request method ~ ^(HEAD)$ )
                return 401;
        location / {
        proxy_pass "http://localhost:1337";
        }
}
```

9 GENERATING SYSLINKS TO SITES ENABLED

NGINX only seads the configurations prosent in sites-available directory whose systimms are created in sites-enabled directory.

To create a soft systimm, use following command

Sudo In -s /etc/ nginx | sites-available | cfile> lete/ nginx | sites-enablea|

Source destribution

(6) RESTART NGINX SERVER:

Sudo seevice nginx eestaet

folder

NOTE: always semove default syslink from sites-enabled

(6) HANDLING RESPONSE HEADERS

In order to remove any unwanted Response Headles or to override any Headles

we need to install nginz - extras from apt.

After, download is complete navigate to /etc/ nginx

-> sado hano nginz. conf

```
user www-data;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;
events {
        worker_connections 768;
}
http {
                                     tokens of somoves the ugini vession
        sendfile on;
                                                   a over eides defaut serveringing.
        tcp_nopush on;
        tcp_nodelay on;
        keepalive_timeout 65;
        types_hash_max_size 2048;
        server tokens off; -
        more_set_headers 'Server:Mission Youth JK';
        more_set_headers 'Allow:';
        more_set_headers 'X-Powered-By:JaKeGA';
        # server_names_hash_bucket_size 64;
        include /etc/nginx/mime.types;
        default_type application/octet-stream;
```