

# Nginx Tips

## Multi Level SubDirectory Setup which is not a multisite.

If a multilevel subdirectory install is required , make sure /dir/mappedsite is a symbolic link . For single level the rewrite is not required. Also make sure that safe path is updated accordingly.

```
# If subdirectory is there match files inside the subdirectory
location /de/fernstudium {
    index index.php index.html index.htm;
    try_files $uri $uri/ /de/fernstudium/index.php?q=$uri&$args;
}

# So that /de is not matched as a domain
rewrite ^/de(?!(fernstudium*))$ $1 last;
```

## Subdirectory Setup with reverse proxy

This is used when the subdirectory is on a different server. wordpress homeurl and siteurl also to be updated.

```
location ~/news(.*)$ {
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $remote_addr;
    proxy_set_header Host news.erudera.com;
    proxy_pass http://172.104.155.54:80$is_args$args;
}
```

## Rate limiting

Limit request to php to slow down crawlers and other CPU eating bots . Limits to 1 req per second with a burst of 3 -

In the main file nginx.conf -

```
limit_req_zone $binary_remote_addr zone=phplimit:10m rate=1r/s;
limit_req_zone $http_cf_connecting_ip zone=cfphplimit:10m rate=1r/s;
```

```
limit_conn_status 429;  
limit_req_status 429;
```

This can be put in files with php location block -

```
limit_req zone=phplimit burst=3 ;  
limit_req zone=cfphplimit burst=3 ;  
limit_req_dry_run off;
```

Rate Limiting in Nginx:<https://www.nginx.com/blog/rate-limiting-nginx/>

Ratelimiting info is available in logs

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