

NGINX CHEAT SHEET

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Based on <https://github.com/SimulatedGREG/nginx-cheatsheet>

Port (listen)

```
server {
# standard HTTP protocol
listen 80;

# standard HTTPS protocol
listen 443 ssl;

# listen on 80 using IPV6
listen [::]:80;

# listen only on IPV6
listen [::]:80 ipv6only=on;
}
```

Access Logging (access_log)

```
server {
# Relative or full path to log file
access_log /path/to/file.log;

# Turn 'on' or 'off'
access_log on;
}
```

Miscellaneous (gzip, client_max_body_size)

```
server {
# Turn gzip compression 'on' or 'off'
gzip on;

# Limit client body size to 10mb
client_max_body_size 10M;
}
```

Static assets

```
server {
listen 80;
server_name yourdomain.com;

location / {
root /path/to/website;
}
}
```

Static assets with HTML5 History Mode

```
server {
listen 80;
server_name yourdomain.com;
root /path/to/website;

location / {
try_files $uri $uri/
/index.html;
}
}
```

Load Balancing

```
upstream node_js {
server 0.0.0.0:3000;
server 0.0.0.0:4000;
server 123.131.121.122;
}

server {
listen 80;
server_name yourdomain.com;

location / {
proxy_pass http://node_js;
}
}
```

Domain name (server_name)

```
server {
# Listen to yourdomain.com
server_name yourdomain.com;

# Listen to multiple domains
server_name yourdomain.com www.yourdomain.com;

# Listen to all sub-domains
server_name *.yourdomain.com;

# Listen to all top-level domains
server_name yourdomain.*;

# Listen to unspecified hostnames (listens to IP address itself)
server_name "";
}
```

Redirect

```
server {
listen 80;
server_name www.yourdomain.com;
return 301 http://yourdomain.com$request_uri;
}
```

```
server {
listen 80;
server_name yourdomain.com;

location /redirect-url {
return 301 http://otherdomain.com;
}
}
```

Reverse Proxy

```
server {
listen 80;
server_name yourdomain.com;

location / {
proxy_pass http://0.0.0.0:3000;
# where 0.0.0.0:3000 is your Node.js Server bound on 0.0.0.0
# listing on port 3000
}
}
```

SSL

```
server {
listen 443 ssl;
server_name yourdomain.com;

ssl on;

ssl_certificate /path/to/cert.pem;
ssl_certificate_key /path/to/privkey.pem;

ssl_stapling on;
ssl_stapling_verify on;
ssl_trusted_certificate /path/to/fullchain.pem;

ssl_protocols TLSv1 TLSv1.1 TLSv1.2;
ssl_session_timeout 1d;
ssl_session_cache shared:SSL:50m;
add_header Strict-Transport-Security max-age=15768000;
}

# Permanent redirect for HTTP to HTTPS
server {
listen 80;
server_name yourdomain.com;
return 301 https://$host$request_uri;
}
```