# Basic NGINX Caching

~# mkdir /var/www/example.com/cache/

~# vim /etc/nginx/nginx.conf

proxy\_cache\_path /var/www/example.com/cache/ keys\_zone=one:10m max\_size=500m inactive=24h use\_temp\_path=off;

Here,

keys\_zone=one:10m sets a 10 megabyte shared storage zone (simply called one, but you can change this for your needs) for cache keys and metadata.

max\_size=500m sets the actual cache size at 500 MB.

inactive=24h removes anything from the cache which has not been accessed in the last 24 hours.

use\_temp\_path=off writes cached files directly to the cache path. This setting is recommended by NGNIX.

~# vim /etc/nginx/conf.d/example.com.conf

proxy\_cache one;

location / {

proxy\_pass http://ip-address:port;

}

If you need to clear the cache, [the easiest way](http://nginx.2469901.n2.nabble.com/best-way-to-empty-nginx-cache-td3017271.html#a3017429) is with the command:

~# find /var/www/example.com/cache/ -type f -delete

# Cross-Site Scripting (XSS) Filter

add\_header X-XSS-Protection "1; mode=block";

# Use Nginx as load balancer

upstream backend {

# no load balancing method is specified for Round Robin

server backend1.example.com;

server backend2.example.com;

}

server {

location / {

proxy\_pass http://backend;

}

}

***So the final configuration will look like below,***

~# vim /etc/nginx/conf.d/example.com.conf

server {

listen 80 default\_server;

listen [::]:80 default\_server;

server\_name example.com www.example.com;

root /var/www/example.com;

index index.html;

proxy\_cache one;

location / {

proxy\_pass http://localhost:8000;

}

gzip on;

gzip\_comp\_level 3;

gzip\_types text/html text/plain text/css image/\*;

add\_header Feature-Policy "encrypted-media 'self'; autoplay 'none'"

}

~# vim /etc/nginx/nginx.conf

user nginx;

worker\_processes auto;

error\_log /var/log/nginx/error.log warn;

pid /var/run/nginx.pid;

events {

worker\_connections 1024;

}

http {

include /etc/nginx/mime.types;

default\_type application/octet-stream;

log\_format main '$remote\_addr - $remote\_user [$time\_local] "$request" '

'$status $body\_bytes\_sent "$http\_referer" '

'"$http\_user\_agent" "$http\_x\_forwarded\_for"';

access\_log /var/log/nginx/access.log main;

sendfile on;

#tcp\_nopush on;

keepalive\_timeout 65;

#gzip on;

include /etc/nginx/conf.d/\*.conf;

add\_header X-Content-Type-Options nosniff;

add\_header X-Frame-Options SAMEORIGIN;

add\_header X-XSS-Protection "1; mode=block";

add\_header Referrer-Policy strict-origin-when-cross-origin;

add\_header Content-Security-Policy "default-src 'self'; upgrade-insecure-requests;";

proxy\_cache\_path /var/www/example.com/cache/ keys\_zone=one:10m inactive=60m use\_temp\_path=off;

server\_tokens off;

}