

# Example Nginx config

Here is an example nginx.conf for Loadbalancing on Nginx:

...

Copy userwww-data; worker\_processes auto;#Relevant to handle as many connections as the server config could, is correlated to number of cores in the CPU

## [https://nginx.org/en/docs/nginx\\_core\\_module.html#worker\\_processes](https://nginx.org/en/docs/nginx_core_module.html#worker_processes)

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

events{ worker\_connections1024;#Relevant to handle as many connections as the server config could

## clients = worker\_processes \* worker\_connections

}#https://nginx.org/en/docs/nginx\_core\_module.html#worker\_connections

http{

large\_client\_header\_buffers4128k; server\_names\_hash\_bucket\_size128;

map\$request\_uri short\_uri { "~^(.{0,50})"1; default\$request\_uri; }

mapremote\_addr anonymized\_addr { ~(?P\d+\.\d+).\d+.ip.0.0; ~(?P[^:]+\:[^:]+): ip::;

## IP addresses to not anonymize (such as your server)

127.0.0.1remote\_addr; ::1 remote\_addr;

w.x.y.z remote\_addr;

a::c:d::e:f remote\_addr;

default0.0.0.0; }

log\_formatcombined\_log'anonymized\_addr - remote\_user [time\_local] ' "short\_uri" status body\_bytes\_sent ' "'http\_referer" "http\_user\_agent"';

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

limit\_req\_zonebinary\_remote\_addr zone=mylimit:1M rate=70r/s; limit\_reqzone=mylimit burst=9000 nodelay;

## WSS compatibility config

maphttp\_upgrade connection\_upgrade { defaultupgrade; "close; }

## Upstream group

upstreamrpc\_stream { least\_conn;#Redirect requests to the server with least number of active connections serverXXX.XXX.XXX.XXX:26657 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:26657 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:26657 max\_fails=1000fail\_timeout=30s;

}

upstreamgrpc\_stream { least\_conn;#Redirect requests to the server with least number of active connections serverXXX.XXX.XXX.XXX:9091 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:9091 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:9091 max\_fails=1000fail\_timeout=30s;

}

upstreamlcd\_stream { least\_conn;#Redirect requests to the server with least number of active connections serverXXX.XXX.XXX.XXX:1317 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:1317 max\_fails=1000fail\_timeout=30s; serverXXX.XXX.XXX.XXX:1317 max\_fails=1000fail\_timeout=30s; }

server{ listen80; server\_namerpc.YOUR\_URL;

location/ { if(request\_method='OPTIONS') { return204; }

proxy\_hide\_header'Access-Control-Allow-Origin'; proxy\_hide\_header'Access-Control-Allow-Credentials'; proxy\_hide\_header'Access-Control-Allow-Headers'; proxy\_hide\_header'Access-Control-Allow-Methods';

add\_header'Access-Control-Allow-Origin'"http\_origin"always; add\_header'Access-Control-Allow-Credentials'"true'always; add\_header'Access-

```

Control-Allow-Headers* always; add_header'Access-Control-Allow-Methods'GET, POST, OPTIONS';

proxy_passhttp://rpc_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }

server{ listen26657; server_namerpc.YOUR_URL;

location/ { if(request_method='OPTIONS') { return204; }

proxy_hide_header'Access-Control-Allow-Origin'; proxy_hide_header'Access-Control-Allow-Credentials'; proxy_hide_header'Access-Control-
Allow-Headers'; proxy_hide_header'Access-Control-Allow-Methods';

add_header'Access-Control-Allow-Origin'"http_origin"always; add_header'Access-Control-Allow-Credentials"true'always; add_header'Access-
Control-Allow-Headers* always; add_header'Access-Control-Allow-Methods'GET, POST, OPTIONS';

proxy_passhttp://rpc_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }

server{ listen80; server_namegrpc.YOUR_URL;

location/ { if(request_method='OPTIONS') { return204; }

proxy_hide_header'Access-Control-Allow-Origin'; proxy_hide_header'Access-Control-Allow-Credentials'; proxy_hide_header'Access-Control-
Allow-Headers'; proxy_hide_header'Access-Control-Allow-Methods';

add_header'Access-Control-Allow-Origin'"http_origin"always; add_header'Access-Control-Allow-Credentials"true'always; add_header'Access-
Control-Allow-Headers* always; add_header'Access-Control-Allow-Methods'GET, POST, OPTIONS';

proxy_passhttp://grpc_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }

server{ listen9091; server_namegrpc.YOUR_URL;

location/ { if(request_method='OPTIONS') { return204; }

proxy_hide_header'Access-Control-Allow-Origin'; proxy_hide_header'Access-Control-Allow-Credentials'; proxy_hide_header'Access-Control-
Allow-Headers'; proxy_hide_header'Access-Control-Allow-Methods';

add_header'Access-Control-Allow-Origin'"http_origin"always; add_header'Access-Control-Allow-Credentials"true'always; add_header'Access-
Control-Allow-Headers* always; add_header'Access-Control-Allow-Methods'GET, POST, OPTIONS';

proxy_passhttp://grpc_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }

server{ listen1317; server_namelcd.YOUR_URL; location/ { if(request_method='OPTIONS') { return204; }

proxy_hide_header'Access-Control-Allow-Origin'; proxy_hide_header'Access-Control-Allow-Credentials'; proxy_hide_header'Access-Control-
Allow-Headers'; proxy_hide_header'Access-Control-Allow-Methods';

add_header'Access-Control-Allow-Origin' always; add_header'Access-Control-Allow-Credentials"true'always; add_header'Access-Control-Allow-
Headers' always; add_header'Access-Control-Allow-Methods* always;

proxy_passhttp://lcd_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }

}

server{ listen80; server_namelcd.YOUR_URL; location/ {

if(request_method='OPTIONS') { return204; }

proxy_hide_header'Access-Control-Allow-Origin'; proxy_hide_header'Access-Control-Allow-Credentials'; proxy_hide_header'Access-Control-
Allow-Headers'; proxy_hide_header'Access-Control-Allow-Methods';

add_header'Access-Control-Allow-Origin' always; add_header'Access-Control-Allow-Credentials"true'always; add_header'Access-Control-Allow-
Headers' always; add_header'Access-Control-Allow-Methods* always;

proxy_passhttp://lcd_stream;

proxy_set_headerHost host; proxy_set_headerX-Real-IP remote_addr; proxy_set_headerX-Forwarded-For proxy_add_x_forwarded_for;

```

```
proxy_set_headerX-Forwarded-Proto scheme; proxy_set_headerUpgrade http_upgrade;#WSS compatibility config proxy_set_headerConnection
connection_upgrade;#WSS compatibility config } }
```

```
server{ listen127.0.0.1:80; server_name127.0.0.1; location/nginx_status { stub_statuson; allow127.0.0.1; denyall; } }
```

```
}
```

```
...
```

Last updated1 day ago On this page Was this helpful?[Edit on GitHub](#) [Export as PDF](#)