

# Example Nginx config

Here is an examplenginx.conf for Loadbalancing on Nginx:

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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.logwarn; 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\_buffers464k; server\_names\_hash\_bucket\_size128;

maprequest\_uri short\_uri { "~^(.{0,50})"1; defaultrequest\_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\_mainnet { 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\_mainnet { 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\_mainnet { 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; }

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\_mainnet;  
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

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connection_upgrade;#WSS compatibility config }

}

server{ listen26657; server_name rpc.YOUR_URL;

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

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_mainnet; 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_name grpc.YOUR_URL;

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

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_mainnet; 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_name grpc.YOUR_URL;

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

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_mainnet; 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_name lcd.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_mainnet; 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_name lcd.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_mainnet; 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_name 127.0.0.1; location/nginx_status { stub_status on; allow 127.0.0.1; deny all; } }

}

...

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