

# Tengine derleme

## Gerekli paketler

```
apt install git build-essential libjemalloc-dev libatomic-ops-dev libpcre3 libpcre3-dev zlib1g zlib1g-dev libssl-dev libgd-dev libgeoip-dev
```

## extra modüller

```
https://github.com/vozlt/nginx-module-vts.git
https://github.com/FRiCKLE/nginx_cache_purge.git
https://github.com/yaoweibin/nginx_upstream_check_module.git
https://github.com/GetPageSpeed/nginx_security_headers.git
https://github.com/openresty/headers-more-nginx-module.git
```

## Compile

```
#!/bin/bash
./configure \
--with-poll_module \
--with-threads \
--with-file-aio \
--with-http_ssl_module \
--with-http_v2_module \
--with-http_realip_module \
--with-http_image_filter_module \
--with-jemalloc \
--with-libatomic \
--with-http_sub_module \
--with-http_flv_module \
```

```
--with-http_mp4_module \  
--with-http_stub_status_module \  
--with-mail_ssl_module \  
--with-debug \  
--with-stream \  
--without-http_fastcgi_module \  
--without-http_uwsgi_module \  
--without-http_scgi_module \  
--add-module=/var/nginx-module-vts \  
--add-module=/var/nginx_cache_purge \  
--add-module=/var/nginx_upstream_check_module \  
--add-module=/var/nginx_security_headers \  
--add-module=/var/headers-more-nginx-module \  
--add-module=/var/tengine-2.3.2/modules/nginx_http_upstream_vnswrr_module \  
--add-module=/var/tengine-2.3.2/modules/nginx_http_upstream_session_sticky_module \  
--user=nginx \  
--prefix=/etc/nginx \  
--sbin-path=/usr/sbin/nginx \  
--conf-path=/etc/nginx/nginx.conf \  
--pid-path=/var/run/nginx.pid \  
--http-log-path=/var/log/nginx/access.log \  
--error-log-path=/var/log/nginx/error.log \  
--with-http_image_filter_module=dynamic \  
--with-http_geoip_module=dynamic \  
--with-mail=dynamic \  
--http-client-body-temp-path=/tmp/client-body-temp \  
--http-proxy-temp-path=/tmp/proxy-temp \  

```

# make && make install

## unit file

[Unit]

Description=A high performance web server and a reverse proxy server

After=network.target

[Service]

Type=forking

PIDFile=/var/run/nginx.pid

ExecStartPre=/usr/sbin/nginx -t -q -g 'daemon on; master\_process on;'

ExecStart=/usr/sbin/nginx -g 'daemon on; master\_process on;'

ExecReload=/usr/sbin/nginx -g 'daemon on; master\_process on;' -s reload

ExecStop=-/sbin/start-stop-daemon --quiet --stop --retry QUIT/5 --pidfile /var/run/nginx.pid

TimeoutStopSec=5

KillMode=mixed

LimitNOFILE=1048576

LimitNPROC=1048576

Restart=on-failure

RestartSec=10s

[Install]

WantedBy=multi-user.target[Unit]

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LimitNPROC=1048576

Restart=on-failure

RestartSec=10s

[Install]

WantedBy=multi-user.target

# Tengine Conf

```
worker_processes 15;
worker_cpu_affinity auto 111111111111110;
worker_rlimit_nofile 1048576;
user nginx;
error_log /var/log/nginx/error.log warn;
pid /var/run/nginx.pid;
events {
worker_connections 1048576;
use epoll;
multi_accept on;
accept_mutex on;
}
#don't need stream conf
worker_shutdown_timeout 300;
http {
#access_log on;
gzip_clear_etag off;
vhost_traffic_status_zone shared:vhost_traffic_status:128m;
map_hash_max_size 20480;
map_hash_bucket_size 20480;
map $status $loggable {
    ~^[23] 0;
    default 1;
}
sendfile on;
tcp_nopush on;
tcp_nodelay on;
client_header_timeout 1m;
client_body_timeout 1m;
client_header_buffer_size 2k;
client_body_buffer_size 512k;
client_max_body_size 500m;
large_client_header_buffers 8 16k;
send_timeout 30;
keepalive_timeout 60;
keepalive_requests 100000;
reset_timedout_connection on;
server_tokens off;
server_name_in_redirect off;
server_names_hash_max_size 1024;
```

```
server_names_hash_bucket_size 1024;
check_shm_size 2000m;
proxy_buffer_size 16k;
proxy_buffers 4 16k;
proxy_busy_buffers_size 16k;
proxy_next_upstream off;
more_clear_headers Server;
more_clear_headers server;
log_format secops 'default TENGINE Message 0 0 : "WEBLOG:~'
```

```
    '$time_local~'
    '$remote_addr~'
    '$http_x_client_ip~'
    '$http_True_Client_IP~'
    '$request_method~'
    '$upstream_http_X_Proxy_Cache~'
    '$uri~'
    '$query_string~'
    '$bytes_sent~'
    '$http_user_agent~'
    '$host~'
    '$server_port~'
    '$status~'
    '$http_referer'
    ''',
```

```
log_format main 'default TENGINE Message 0 0 : "WEBLOG:~'
```

```
    '$time_local~'
    '$remote_addr~'
    '$http_x_client_ip~'
    '$http_True_Client_IP~'
    '$request_method~'
    '$upstream_http_X_Proxy_Cache~'
    '$uri~'
    '$query_string~'
    '$bytes_sent~'
    '$http_user_agent~'
    '$host~'
    '$server_port~'
    '$status~'
    '$http_referer~'
    '$upstream_addr~'
    '$upstream_status~'
```

```
'$upstream_response_time~'
'$request~'
'$request_time';

access_log syslog:server=10.84.82.30:5555 main if=$loggable;
error_log syslog:server=10.84.82.30:5556 warn;

# Mime settings
include mime.types;
default_type application/octet-stream;

# Compression settings - aggressively cache text file types
gzip off;
#gzip_comp_level 1;
#gzip_min_length 10240;
#gzip_vary on;
#gzip_buffers 8 64k;
#gzip_types text/plain text/css text/javascript text/js text/xml application/json application/javascript
application/x-javascript application/xml application/xml+rss application/x-font-ttf image/svg+xml font/opentype;
#gzip_proxied any;
#gzip_disable "MSIE [1-6]\.";

# SSL PCI Compliance
ssl_session_cache shared:SSL:10m;
ssl_protocols TLSv1.2;
ssl_ciphers
EECDH+CHACHA20:EECDH+AES128:RSA+AES128:EECDH+AES256:RSA+AES256:EECDH+3DES:RSA+3DES:!MD
5;
ssl_dhparam /etc/nginx/ssl/dhparam.pem;
ssl_prefer_server_ciphers on;

# Error pages
error_page 403 /403.html;
#error_page 404 /error/404.html;
#error_page 502 503 504 /error/50x.html;

# Cache bypass
map $http_cookie $no_cache {
default 0;
~SESS 1;
~wordpress_logged_in 1;
}

# File cache settings
open_file_cache max=200000 inactive=20s;
open_file_cache_valid 30s;
open_file_cache_min_uses 2;
open_file_cache_errors on;
```

```
# Other settings
log_subrequest      on;
rewrite_log          on;
include              /etc/nginx/sites-enabled/*.conf;
include              /etc/nginx/conf.d/*.conf;
}
```

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Revision #1

Created 9 November 2022 12:09:44 by Mesut Bayrak

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