

Nginx

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Nginx

Nginx

Web

Nginx



1.

```
server {  
    listen 80;  
    server_name example.com;  
  
    location / {  
        proxy_pass http://localhost:3000; # 3000 3000  
        proxy_set_header Host $host;  
        proxy_set_header X-Real-IP $remote_addr;  
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
    }  
}
```




2. proxy

proxy_pass	
proxy_set_header	
proxy_redirect	Location Refresh
proxy_buffering	
proxy_connect_timeout	
proxy_read_timeout	




1.

```
http {
    upstream backend {
        server backend1.example.com weight=5;
        server backend2.example.com;
        server backend3.example.com backup;

        # 
        # least_conn; # 
        # ip_hash; # IP
        # random; # 
    }

    server {
        listen 80;
        server_name example.com;

        location / {
            proxy_pass http://backend;
            include proxy_params; #  proxy
        }
    }
}
```

2. WebSocket

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

    location /ws/ {
        proxy_pass http://websocket_backend;
        proxy_http_version 1.1;
    }
}
```

```
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection "upgrade";
proxy_read_timeout 86400; # WebSocket[ ]
}
}
```

3. HTTPS/SSL []

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

    ssl_certificate /path/to/cert.pem;
    ssl_certificate_key /path/to/key.pem;
    ssl_protocols TLSv1.2 TLSv1.3;
    ssl_ciphers HIGH:!aNULL:!MD5;

    location / {
        proxy_pass http://backend;
        proxy_set_header X-Forwarded-Proto $scheme;
    }
}

# HTTP [ ] HTTPS
server {
    listen 80;
    server_name example.com;
    return 301 https://$host$request_uri;
}
```



1. []

```
location / {
    proxy_pass http://backend;

    # 代理缓冲
    proxy_buffers 16 32k;
    proxy_buffer_size 64k;
    proxy_busy_buffers_size 128k;

    # 代理缓存
    proxy_cache my_cache;
    proxy_cache_valid 200 302 10m;
    proxy_cache_valid 404 1m;

    # 代理临时文件写入大小
    proxy_temp_file_write_size 64k;
}
```

2. 代理连接

```
location / {
    proxy_pass http://backend;

    # 代理连接
    keepalive 32;
    keepalive_timeout 30s;
    keepalive_requests 100;

    # 代理连接超时
    proxy_connect_timeout 5s;
    proxy_send_timeout 10s;
    proxy_read_timeout 30s;
}
```



1. 代理后端

```

server {
    # ...

    # Nginx
    server_tokens off;

    #
    add_header X-Frame-Options "SAMEORIGIN";

    # XSS
    add_header X-XSS-Protection "1; mode=block";

    #
    add_header Content-Security-Policy "default-src 'self'";

    # HTTP
    if ($request_method !~ ^(GET|HEAD|POST)$ ) {
        return 405;
    }
}

```

2.

```

location /admin/ {
    proxy_pass http://backend;

    # IP
    allow 192.168.1.0/24;
    allow 10.0.0.1;
    deny all;

    #
    auth_basic "Admin Area";
    auth_basic_user_file /etc/nginx/.htpasswd;

    #
    limit_req zone=one burst=10 nodelay;
}

```



Nginx

<code>\$host</code>	Host
<code>\$remote_addr</code>	IP
<code>\$proxy_add_x_forwarded_for</code>	IP X-Forwarded-For
<code>\$scheme</code>	(http https)
<code>\$request_uri</code>	URI
<code>\$server_port</code>	



1.

```
http {
    log_format proxy_log '$remote_addr - $remote_user [$time_local] '
        '"$request" $status $body_bytes_sent '
        '"$http_referer" "$http_user_agent" '
        '$upstream_addr $upstream_response_time';

    access_log /var/log/nginx/proxy_access.log proxy_log;
}
```

2.

```
location / {
    proxy_pass http://backend;

    #
    add_header X-Upstream-Addr $upstream_addr;
    add_header X-Cache-Status $upstream_cache_status;
```

```
# 代理
proxy_intercept_errors on;
error_page 500 502 503 504 /50x.html;
}
```



1. 代理 (proxy_params) include
2. 代理 keepalive
3. 代理
4. 代理 \$upstream_response_time
5. 代理 HTTP
6. 代理 client_max_body_size

代理 Nginx Web

Nginx proxy_pass URL



Nginx proxy_pass URL



```
location /path/ {
    proxy_pass http://backend;
}
```

1. 代理 (/) proxy_pass

代理 proxy_pass URL Nginx location URI

```
location /api/ {
    # /api/user → http://backend/user
    proxy_pass http://backend;
}
```

2. `proxy_pass`

`proxy_pass` URL Nginx URI

```
location /api/ {
    # /api/user → http://backend/api/user
    proxy_pass http://backend;
}
```

3. `URI` `proxy_pass`

`proxy_pass` URI Nginx location

```
location /old/ {
    # /old/page → http://backend/new/page
    proxy_pass http://backend/new/;
}
```



1. `location` `proxy_pass`

```
location ~ ^/user/(\d+) {
    # /user/123 → http://backend/profile/123
    proxy_pass http://backend/profile/$1;
}
```

2. `URI`

```
location /shop/ {
    rewrite ^/shop/(.*)$ /store/$1 break;
    # 将 /shop/item 转换为 http://backend/store/item
    proxy_pass http://backend;
}
```

3. 将请求的完整 URL 代理到后端

```
location / {
    # 将请求的完整 URL 代理到后端
    proxy_pass http://backend$request_uri;
}
```

使用 proxy_pass 代理请求

1. 代理请求的 scheme

```
location / {
    # 代理请求的 scheme
    proxy_pass $scheme://backend;
}
```

2. 代理请求的 host

```
location / {
    # 代理请求的 host
    proxy_pass http://backend/$host$request_uri;
}
```

代理 WebSocket 请求

1. WebSocket 请求

```
location /ws/ {
    proxy_pass http://backend;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
}
```

2. HTTPS

```
location / {
    proxy_pass https://backend;
    proxy_ssl_verify off; # 
}
```



1.

/api /api/

```
location /api {
    # / /
    proxy_pass http://backend/api;
}
```

2.

/api/api

```
location /api/ {
    # proxy_pass /
    proxy_pass http://backend/;
```



```
sudo firewall-cmd --reload
```

6.

IP

Nginx

```
http:// IP
```

Nginx

/etc/nginx/nginx.conf

/etc/nginx/conf.d/

/etc/nginx/sites-available/

Nginx

```
sudo nginx -t # 
```

```
sudo systemctl reload nginx # 
```

Nginx

Rocky Linux

Nginx

1.

Nginx

```
sudo systemctl start nginx # 
```

```
sudo systemctl stop nginx # 
```

```
sudo systemctl restart nginx # 
```

```
sudo systemctl reload nginx # 
```

2. Nginx

```
sudo systemctl status nginx # 
```

```
sudo nginx -t # 
```

3.

```
sudo systemctl enable nginx # 
```

```
sudo systemctl disable nginx # 
```

4. `nginx` `nginx`

```
nginx -v # nginx  
nginx -V # nginx
```

5. `nginx` `nginx`

```
ps aux | grep nginx # nginx nginx
```

6. `nginx`

`nginx` `nginx`

- `nginx` `/var/log/nginx/access.log`
- `nginx` `/var/log/nginx/error.log`

`nginx`

```
sudo tail -f /var/log/nginx/access.log # nginx  
sudo tail -f /var/log/nginx/error.log # nginx
```

7. `nginx`

- `nginx` `/etc/nginx/nginx.conf`
- `nginx` `/etc/nginx/conf.d/` `/etc/nginx/sites-available/` `nginx`

`nginx`

```
sudo nginx -t # nginx  
sudo systemctl reload nginx # nginx
```

8. `nginx` `Server Block`

`/etc/nginx/conf.d/example.conf` `nginx`

```
server {  
    listen 80;  
    server_name example.com www.example.com;  
    root /var/www/example;  
    index index.html;  
  
    location / {
```

```
try_files $uri $uri/ =404;  
}  
}
```

■■■■■■■

```
sudo nginx -t && sudo systemctl reload nginx
```

9. ■■ Nginx

```
sudo dnf remove nginx -y # ■■ Nginx  
sudo rm -rf /etc/nginx/ # ■■■■■■■■■■
```

■■■■■■■■■■■■■■■

Nginx ■■■■ ■■

Nginx 目录

Nginx

目录

Nginx 目录

1. 使用 logrotate (配置)

logrotate 在 Linux 系统

Nginx 目录

目录

1. 使用 logrotate 配置 (配置 `/etc/logrotate.d/nginx`)

```
sudo nano /etc/logrotate.d/nginx
```

2. 配置内容

```
/var/log/nginx/*.log {
    daily
    missingok
    rotate 14
    compress
    delaycompress
    notifempty
    create 0640 www-data adm
    sharedscripts
    postrotate
        if [ -f /var/run/nginx.pid ]; then
            kill -USR1 `cat /var/run/nginx.pid`
        fi
    endscript
}
```

目录

- `daily` : `0000`
- `missingok` : `000000000000`
- `rotate 14` : `00 14000000`
- `compress` : `00 gzip 00000`
- `delaycompress` : `0000000000`
- `notifempty` : `0000000000`
- `create 0640 www-data adm` : `000000000000`
- `sharedscripts` : `0000000000` `postrotate 00`
- `postrotate` : `00 Nginx 00000000`

3. `00000000`

```
sudo logrotate -d /etc/logrotate.d/nginx
```

4. `0000` `logrotate`

```
sudo logrotate -f /etc/logrotate.d/nginx
```

2. `00` `cron` `00000000`

1. `00000000` `/usr/local/bin/nginx_logrotate.sh` :

```
#!/bin/bash
# Nginx 0000
LOGS_PATH=/var/log/nginx
# 000000
YESTERDAY=$(date -d "yesterday" +%Y-%m-%d)
# 000000
mv ${LOGS_PATH}/access.log ${LOGS_PATH}/access_${YESTERDAY}.log
mv ${LOGS_PATH}/error.log ${LOGS_PATH}/error_${YESTERDAY}.log
# 00 Nginx 0000 USR1 0000000000
kill -USR1 $(cat /var/run/nginx.pid)
```

2. `00000000`

```
chmod +x /usr/local/bin/nginx_logrotate.sh
```

3. `00` `cron` `00000000`

```
crontab -e
```