

 免费电子书

学习

nginx

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1: nginx

NGINX“engine x”HTTPHTTPSSMTPPOP3IMAP。 HTTP。

。

0.5	2006-12-04	0.5.38	2009-09-14
0.6	2007-06-14	0.6.39	2009-09-14
0.7	2008-05-19	0.7.69	2011-07-19
0.8	2009-06-02	0.8.55	2011-07-19
1.0	2011-04-12	1.0.15	2012-04-12
1.2	2012-04-23	1.2.9	2013513
1.4	2013424	1.4.7	2014318
1.6	2014424	1.6.3	201547
1.8	2015421	1.8.1	2016126
1.9	2015428	1.9.1	2016419
1.10	2016426	1.10.3	2016531
1.11	2016524	1.11.9	2016726

Examples

NginxWebInternetHTTP。

NginxLinuxWindows。 [Nginx](#)。

Ubuntu/ Debian

nginxrepo

```
sudo apt-get install nginx
```

ppa。

```
sudo add-apt-repository ppa:nginx/stable
sudo apt-get update
```

```
sudo apt-get install nginx
```

◦

DebianDebianNginxUbuntu

nginx◦

```
sudo apt-get install nginx
```

Nginx◦ NginxWebIP◦

ppa◦

```
sudo add-apt-repository ppa:nginx/stable
sudo apt-get update
sudo apt-get install nginx
```

NGINX

root

```
nginx -s restart
```

Ubuntu

```
sudo service nginx restart
```

NGINX

root

```
sudo nginx -s reload
```

Ubuntu 14.04

```
sudo service nginx reload
```

Ubuntu 16.04

```
sudo systemctl reload nginx
```

config

```
sudo nginx -t
```

```
sudo service nginx configtest
```

NGINX

root。

```
nginx -s stop
```

```
nginx -s quit
```

Nginx

ApacheNginx。

。

NginxIO。

。 。 。 IO。

NginxIO。

Nginx。 ApacheNginx。

Async IOpluginxNginxNginx。

nginx.config

Ubuntu 14.04

```
sudo nginx -t
```

nginx <https://riptutorial.com/zh-CN/nginx/topic/1121/nginx>

2: nginx

Examples

```
# Define which servers to include in the load balancing scheme.
# It's best to use the servers' private IPs for better performance and security.

upstream backend {

    ip_hash;
    server 10.10.10.10 slow_start=30s max_fails=3 fail_timeout=15s;
    server 10.10.10.12 slow_start=30s max_fails=3 fail_timeout=15s;

    # Activates the cache for connections to upstream servers.
    keepalive 20;
}

# This server accepts all traffic to port 80 and passes it to the upstream.
# Notice that the upstream name and the proxy_pass need to match.

server {
    listen 80;
    server_name example.com;

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

nginx <https://riptutorial.com/zh-CN/nginx/topic/7431/nginx>

3: Nginx

Examples

nginx

;

{}

eventshttpserverlocation

http

.

NGINX

NGINX

```
nginx -t
```

```
service nginx configtest
```

nginx[] Configtestnginx -t

[http //devget.net/nginxapache/nginx-configtest-vs-nginx-t/](http://devget.net/nginxapache/nginx-configtest-vs-nginx-t/)

```
nginx -c <file name>
```

NGINX

```
nginx -s reload
```

SyslogHTTPSyslog

http {};/etc/nginx/conf.d/ syslog

```
#  
# Access Log
```

```

#
log_format fmt_syslog '[$time_local] $status $remote_addr $http_host "$request"
$body_bytes_sent $request_time "$http_user_agent" $remote_user';
map $status $log_is_error { "~^5\d\d" 1; default 0; }
map $status $log_is_warn { "~^4[0-8]{2}" 1; default 0; }
map $status $log_is_info { "~^[1-3]\d\d" 1; default 0; }
access_log
syslog:server=unix:/run/systemd/journal/syslog,nohostname,facility=local2,severity=error
fmt_syslog if=$log_is_error;
access_log
syslog:server=unix:/run/systemd/journal/syslog,nohostname,facility=local2,severity=warn
fmt_syslog if=$log_is_warn;
access_log
syslog:server=unix:/run/systemd/journal/syslog,nohostname,facility=local2,severity=info
fmt_syslog if=$log_is_info;
#
# Error Log
#
error_log syslog:server=unix:/run/systemd/journal/syslog,nohostname,facility=local2 error;

```

rsyslogSocket /run/systemd/journal/syslog - [journaldForwardToSyslogDebian 8](#)。 [journald](#)。
/dev/log。

local2。 [log_format](#)。

3HTTP GET HEADPOST。 [limit_except](#)

```

location / {
    [...]
    # Note: GET includes HEAD
    limit_except GET POST {
        deny all;
    }
    [...]
}

```

Nginx <https://riptutorial.com/zh-CN/nginx/topic/2550/nginx>

4: Wordpressnginxrails

Examples

nginx

php5-fpmwordpress/etc/nginx/conf/nginx.conf。

URL。

```
server {
listen 443 ssl;
    server_name abc.co.uk;
    root /home/ubuntu/www/abc/current/public;
    try_files $uri/index.html $uri @unicorn;
    ssl on;
    ssl_certificate /etc/nginx/ssl/abc.crt;
    ssl_certificate_key /etc/nginx/ssl/abc.key;
    location /blog/wp-admin/ {
        root /var/www/html/;
        index index.php;
        try_files $uri $uri/ /index.php?$args;
        location ~* \.(js|css|xml|txt|jpg)$ {
            expires 14d;
            root /var/www/html/;
            access_log off;
        }

        location ~ /\.php$ {
            try_files $uri $uri/ /index.php;
            fastcgi_pass unix:/var/run/php5-fpm.sock;
            fastcgi_param SCRIPT_FILENAME $request_filename;
            fastcgi_index index.php;
            include /etc/nginx/conf/fastcgi_params;
        }
    }

    location ^~ /blog {
        root /var/www/html/;
        index index.php;
        try_files $uri $uri/ /index.php?$args;
        rewrite ^/blog/(.*)+$ /blog/index.php?$1;
        location ~* \.(js|css|xml|txt|jpg)$ {
            expires 14d;
            root /var/www/html/;
            access_log off;
        }

        location ~ /\.php$ {
            try_files $uri $uri/ /index.php;
            fastcgi_pass unix:/var/run/php5-fpm.sock;
            fastcgi_param SCRIPT_FILENAME $request_filename;
            fastcgi_index index.php;
            include /etc/nginx/conf/fastcgi_params;
        }
    }
}
```

```
}
```

```
}
```

Wordpressnginxrails <https://riptutorial.com/zh-CN/nginx/topic/3891/wordpressnginxrails>

5: nginxURL

Examples

Web: <https://mydealer.com:8443/Dealerapp/entryPage.html> mydealer.comURL.

```
if ($scheme = http) {  
    return 301 https://$server_name$request_uri;  
}
```

。 。 /。 。

```
location /app/ {  
    proxy_pass https://mydealer.com:8443/Dealerapp/entryPage.html;  
}
```

。 。 。 8543。 。 index.html。 index.html。

/ appURL。 。 URL。

。 URLWebJavaScriptCSS。 serverapp

```
location /app/serverapp/ {  
    proxy_pass https://mydealer.com:8443/Dealerapp/serverapp/;  
}
```

REST;URLjax-rs REST

```
location /rest/ {  
    proxy_pass https://mydealer.com:8443/Dealerapp/rest/;  
}
```

。 URL/ Dealerapppath = Dealerappcookie。 cookie。 /cookie

```
<session-config>  
    <session-timeout>720</session-timeout>  
    <cookie-config>  
        <name>SZSESSION</name>  
        <path>/</path>  
        <http-only>true</http-only>  
        <secure>true</secure>  
    </cookie-config>  
</session-config>
```

web.xml。

nginxURL <https://riptutorial.com/zh-CN/nginx/topic/6270/nginxurl>

6:

Examples

HTTPS

```
server {
    listen 80 default_server;
    listen [::]:80 default_server;
    server_name example.com www.example.com;
    return 307 https://$host$request_uri;
}
```

301301POSTGET - 。 A 307。

```
server {
    server_name example.com;
    return 301 $scheme://example.net$request_uri;
}
```

Nginx。

```
location / {

    #mobile site handling as per user agent
    set $mobile_rewrite do_not_perform; // variable to store action. default set to not
perform redirection to mobile site.

    if ($http_user_agent ~*
"(android|bb\d+|meego).+mobile|avantgo|bada\/|blackberry|blazer|compal|elaine|fennec|hiptop|iemo
bile|ip
|maemo|midp|mmp|mobile.+firefox|netfront|opera m(ob|in)i|palm(
os)?|phone|p(ixi|re)\\/|plucker|pocket|psp|series(4|6)0|symbian|treo|up\.(browser|link)|vodafone|wap|wi
ce|xda|xiino") {
        set $mobile_rewrite perform;
    }

    if ($http_user_agent ~* "^((1207|6310|6590|3gso|4thp|50[1-6]i|770s|802s|a
wa|abac|ac(er|oo|s\
)|ai(ko|rn)|al(av|ca|co)|amoi|an(ex|ny|yw)|aptu|ar(ch|go)|as(te|us)|attw|au(di|\-m|r |s
)|avan|be(ck|ll|nq)|bi(lb|rd)|bl(ac|az)|br(e|v)w|bumb|bw\-(n|u)|c55\\/|capi|ccwa|cdm\
|cell|chtm|cldc|cmd\-\|co(mp|nd)|craw|da(it|ll|ng)|dbte|dc\-\s|devi|dica|dmob|do(c|p)ods(12|\-
d)|el(49|ai)|em(l2|ul)|er(ic|k0)|esl8|ez([4-7]0|os|wa|ze)|fetc|fly(\-|_)|g1 u|g560|gene|gf\
5|g\-\mo|go(\.w|od)|gr(ad|un)|haie|hcit|hd\-(m|p|t)|hei\-\|hi(pt|ta)|hp( i|ip)|hs\-\c|ht(c(\-|
_|a|g|p|s|t)|tp)|hu(aw|tc)|i\-(20|go|ma)|i230|iac( | \-
|\/)|ibro|idea|ig01|ikom|im1k|inno|ipaq|iris|ja(t|v)a|jbro|jemu|jigs|kddi|keji|kgt(
|\/)|klon|kpt |kwc\-\|kyo(c|k)|le(no|xi)|lg( g|\/(k|l|u)|50|54|\-[a-w])|libw|lynx|m1\
-w|m3ga|m50\\/|ma(te|ui|xo)|mc(01|21|ca)|m\
cr|me(rc|ri)|mi(o8|oa|ts)|mmef|mo(01|02|bi|de|do|t(\-| |o|v)|zz)|mt(50|pl|v )|mwbp|mywa|n10[0-
2]|n20[2-3]|n30[0|2]|n50[0|2|5]|n7(0(0|1)|10)|ne((c|m)\-
|on|tf|wf|wg|wt)|nok(6|i)|nzph|o2im|op(ti|wv)|oran|owg1|p800|pan(a|d|t)|pdxg|pg(13|\-([1-
8]|c))|phil|pire|pl(ay|uc)|pn\-\2|po(ck|rt|se)|prox|psio|pt\-\g|qa\-\a|qc(07|12|21|32|60|\-[2-
7]|i\-\)|qtek|r380|r600|raks|rim9|ro(ve|zo)|s55\\/|sa(ge|ma|mm|ms|ny|va)|sc(01|h\-\|oo|p\
-)|sdk\\/|se(c(\-|0|1)|47|mc|nd|ri)|sgh\-\|shar|sie(\-|m)|sk\-
```

```

0|sl(45|id)|sm(al|ar|b3|it|t5)|so(ft|ny)|sp(01|h\|v\|v
)|sy(01|mb)|t2(18|50)|t6(00|10|18)|ta(gt|lk)|tcl\|tdg\|tel(i|m)|tim\|t\|
mo|to(pl|sh)|ts(70|m\|m3|m5)|tx\|9|up(\.b|g1|si)|utst|v400|v750|veri|vi(rg|te)|vk(40|5[0-
3]|\|v)|vm40|voda|vulc|vx(52|53|60|61|70|80|81|83|85|98)|w3c(\| )|webc|whit|wi(g
|nc|nw)|wmlb|wonu|x700|yas\|your|zeto|zte\|) " ) {
    set $mobile_rewrite perform;
}

#google bot mobile handling
if ($http_user_agent ~* "(googlebot-mobile)") {
    set $mobile_rewrite perform;
}

if ($mobile_rewrite = perform) {
    proxy_pass http://www.mobile-domain.com:$port;
}
}

```

HTTPSHTTP

httpHTTPS

```

server {
    listen 443;
    root /var/www/
    location / {
        ...
    }
    location /http {
        rewrite ^ http://$host$request_uri? permanent;
    }
}

```

HTTPHTTPS

```

server {
    root /var/www/
    location / {
        rewrite ^ https://$host$request_uri? permanent;
    }
    location /http {
        ...
    }
}

```

/

nginx.

```

# Allowed hosts
map $http_host $name {
    hostnames;

    default      no;
}

```

```
example.com  yes;
*.example.com yes;
example.org  yes;
*.example.org yes;
.example.net yes;
wap.*       yes;
}

# Allowed countries
map $geoip_country_code $allowed_country {
    default no;
    country_code_1 yes;
    country_code_2 yes;
}
```

```
server {
    listen 80 default_server;
    listen [::]:80 default_server;

    # Disallow access based on hostname
    if ($name = no) {
        return 444;
    }

    # Disallow access based on GeoIP
    if ($allowed_country = no) {
        return 444;
    }

    ...
}
```

<https://riptutorial.com/zh-CN/nginx/topic/3631/>

7:

Examples

```
Syntax: log_format name string ...;
Syntax: access_log path [format [buffer=size] [gzip[=level]] [flush=time] [if=condition]];
access_log off;
```

```
log_format compression '$remote_addr - $remote_user [$time_local] '
    '$request' $status $bytes_sent '
    '$http_referer' '$http_user_agent' '$gzip_ratio';

access_log /spool/logs/nginx-access.log compression buffer=32k;
error_log /spool/logs/nginx-error.log;
```

root

```
nginx -s reopen
```

favicon.icorobots.txt

```
location = /favicon.ico {
    log_not_found off;
    access_log off;
}

location = /robots.txt {
    allow all;
    log_not_found off;
    access_log off;
}
```

<https://riptutorial.com/zh-CN/nginx/topic/2551/>

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