

# Nginx

Nginx??HTTP?????????????.????????2004????????2011??  
 ?????????????2019?3?11??Nginx???F5 Networks?6.7??????  
 Nginx?????????????BSD?????????????

- Cloudflare ??????? IP
- Reverse Proxy
- Learning Nginx
- Tips

# Cloudflare ???????? IP

??????? Cloudflare CDN ???? Nginx ? access.log ?????? Cloudflare ?  
IP???????????????????? IP ???

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?? /usr/local/bin/update.cloudflare.ip.sh

```
#!/bin/bash
# A simple shell script update Cloudflares IP addresses.
# Tested on : Debian and Ubuntu servers and Nginx only
# -----
# Author: Vivek Gite
# Copyright: 2016 nixCraft under GNU GPL v2.0+
# -----
# Last updated 23 Apr 2017
# -----
## source for IPv4 and IPv6 urls ##
ipf='https://www.cloudflare.com/ips-v4'
ips='https://www.cloudflare.com/ips-v6'

## temp file location ##
t_ip_f="$(/bin/mktemp /tmp/cloudflare.XXXXXXXXXX)"
t_ip_s="$(/bin/mktemp /tmp/cloudflare.XXXXXXXXXX)"

## nginx config for Cloudflare ##
conf_out="/etc/nginx/conf.d/cloudflare.real.ip.conf"

## grab files ##
/usr/bin/wget -q -O $t_ip_f $ipf
/usr/bin/wget -q -O $t_ip_s $ips

## generate it ##
/usr/bin/awk '{ print "set_real_ip_from " $1 ";" }' $t_ip_f > $conf_out
/usr/bin/awk '{ print "set_real_ip_from " $1 ";" }' $t_ip_s >> $conf_out
echo 'real_ip_header CF-Connecting-IP;' >> $conf_out
```

```
## delete temp files ##  
[ -f "$t_ip_f" ] && /bin/rm -f $t_ip_f  
[ -f "$t_ip_s" ] && /bin/rm -f $t_ip_s
```

```
## reload nginx ##  
/bin/systemctl reload nginx
```

```
chmod +x /usr/local/bin/update.cloudflare.ip.sh
```

?? Nginx  
/etc/nginx/conf.d/<you-web-site>.conf

```
...  
...  
include "/etc/nginx/conf.d/cloudflare.real.ip.conf";
```

?? /usr/local/bin/update.cloudflare.ip.sh

```
/usr/local/bin/update.cloudflare.ip.sh
```

??????  
?? /var/log/nginx/access.log ???????????? IP

????

```
@weekly /usr/local/bin/update.cloudflare.ip.sh
```

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- [Nginx restore real IP address when behind a reverse proxy](#)

# Reverse Proxy

## Nginx Proxy Manager

Docker container for managing Nginx proxy hosts with a simple, powerful interface

- [Nginx Proxy Manager](#)
- GitHub: <https://github.com/NginxProxyManager/nginx-proxy-manager>
- [How to Install and Use Nginx Proxy Manager with Docker](#)
- YT: [NginX Proxy Manager is a free, open source, GUI for the NginX Reverse Proxy making it easy to use.](#)
- YT: [Docker and Running your self-hosted applications in a more secure way behind a reverse proxy.](#)

## nginx-proxy

nginx-proxy sets up a container running nginx and docker-gen. docker-gen generates reverse proxy configs for nginx and reloads nginx when containers are started and stopped.

- GitHub: <https://github.com/nginx-proxy/nginx-proxy>
- [Automated Nginx Reverse Proxy for Docker](#)

## Learning

- [Forward Proxy vs Reverse Proxy vs Load Balancers](#)

# Learning Nginx

- [The NGINX Handbook – Learn NGINX for Beginners](#)

## Hardening Nginx

- [How to password protect directory with Nginx .htpasswd authentication](#)

## Nginx with Docker

- [Host Multiple Websites on One server using Docker Containers](#)

## Performance Tuning

- [Nginx Performance Tuning](#)

## Management Tools

- [Nginx UI](#) - Yet another Nginx Web UI
  - GitHub: <https://github.com/0xJacky/nginx-ui>

# Tips

## FAQ

### Fix: Too Many Open Files

- [How to Fix 'Too Many Open Files' Error in Nginx](#)