

Displaying Remote IP Address for Reverse Proxied Nginx Sites

10/11/2016 04:17 PM - Daniel Curtis

Status:	Closed	Start date:	10/11/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Web Server	Estimated time:	0.50 hour
Target version:	Nginx	Spent time:	0.50 hour

Description

One of my websites is reverse proxied through nginx to another nginx server. However when I check the log files on the nginx web server behind the reverse proxy, the connections show that they are coming from the proxy servers IP address and not the real remote hosts IP address.

Configure Reverse Proxy Frontend

- Edit the reverse proxy nginx config:

```
vi /usr/local/etc/nginx.conf
```

- And add the set the following proxied header variables:

```
worker_processes 1;

events {
    worker_connections 1024;
}

http {
    include mime.types;
    default_type application/octet-stream;
    sendfile on;
    keepalive_timeout 65;

    server {
        listen 80;
        server_name www.example.com;
        access_log /var/log/nginx/www.example.com-access.log;
        error_log /var/log/nginx/www.example.com-error.log;

        location / {
            proxy_pass http://www.example.com;
            proxy_set_header Host $host;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header X-Forwarded-for $remote_addr;
        }

        location ~ /\.php {
            proxy_pass https://www.example.com;
            proxy_set_header Host $host;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header X-Forwarded-for $remote_addr;
        }
    }
}
```

- Restart the nginx reverse proxy:

```
service nginx restart
```

Configure Website Backend

- Edit the reverse proxy nginx config:

```
vi /usr/local/etc/nginx.conf
```

- And add the `set_real_ip_from` variable to the reverse proxy IP address:

```
worker_processes 1;

events {
    worker_connections 1024;
}

http {
    include mime.types;
    default_type application/octet-stream;
    sendfile on;
    keepalive_timeout 65;

    upstream php-handler {
        server unix:/var/run/php-fpm.sock;
    }

    server {
        listen 80;
        server_name www.example.com;
        access_log /var/log/nginx/www.example.com-access.log;
        error_log /var/log/nginx/www.example.com-error.log;

        set_real_ip_from 192.168.7.52;

        index index.php;

        location / {
            try_files $uri $uri/ /index.php;
        }

        location ~ /\.php(?:$|/) {
            fastcgi_split_path_info ^(.+\.(php))(/.+)$;
            include fastcgi_params;
            fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
            fastcgi_param PATH_INFO $fastcgi_path_info;
            fastcgi_pass php-handler;
            fastcgi_intercept_errors on;
        }
    }
}
```

- Restart nginx server:

```
service nginx restart
```

Resources

- <https://easyengine.io/tutorials/nginx/forwarding-visitors-real-ip/>

History

#1 - 10/11/2016 05:33 PM - Daniel Curtis

- % Done changed from 0 to 100

- Status changed from New to Resolved

#2 - 12/03/2016 12:49 PM - Daniel Curtis

- Status changed from Resolved to Closed