# **How can I configure my Apache server to log my client’s public IP addresses behind a load balancer?**

### **Issue**

I would like to know what my client's IP address is when using Elastic Load Balancing (ELB). How can I configure my Apache server to log my client’s public IP addresses behind the load balancer?

### **Resolution**

You can configure your Apache server to log the X-Forwarded-For request header. ELB by default supports the X-Forwarded-For header when using a HTTP or HTTPS listener.

Configure Apache to log the X-Forwarded-For header by completing the following steps:

1. Locate the main Apache configuration file httpd.conf. This file is usually located at /etc/httpd/conf/httpd.conf.

2. Edit the configuration file and find the section that contains LogFormat.

3. Add the following to your combined LogFormat: “%{X-Forwarded-For}i”

4. Consider the following example code in logformat:

LogFormat "%{X-Forwarded-For}i %h %l %u %t \"%r\" %>s %b \"%{Referer}i\" \"%{User-Agent}i\"" combined

LogFormat "%h %l %u %t \"%r\" %>s %b" common

LogFormat "%{Referer}i -> %U" referer

LogFormat "%{User-agent}i" agent

4. After adding “%{X-Forwarded-For} into your combined LogFormat, save the file and restart Apache for changes to take effect.

Note: The X-Forwarded-For header is a chain that consists of more than one IP address. When you have more than one IP address, the leftmost address should be the client IP address.