Apache increase loglevel - Increasing Apache logged data for better statistic analysis

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In case of development (QA) systems, where developers deploy new untested code, exposing Apache or related Apache modules to unexpected bugs often it is necessery to increase Apache loglevel to log everything, this is done with:

LogLevel debug

LogLevel warn is common logging option for Apache production webservers.

Loglevel warn

in **httpd.conf** is the *default Apache setting for Log*. For some servers that produce too many logs this setting could be changed to **LogLevel crit** which will *make the web-server log only errors of critical importance to webserver*. Using **LogLevel debug** setting is very useful whether you have to **debug issues with unworking (failing) SSL certificates**. It will give you whole dump with SSL handshake and reason for it failing.

  You should *be careful before deciding to increasing server log level*, especially on *production servers*. Increased logging level puts higher load on Apache webserver, as well as *produces a lot of gigabytes of mostly useless logs* that *could lead quickly to filling all free disk space*.

  If you *would like to increase logged data* in **access.log** / **error.log**, because you would like to perform versatile statistical analisys on daily hits, unique visits, top landing pages etc. with Webalizer, Analog or Awstats.

  Change **LogFormat** and **CustomLog** variables from **common** to **combined**.

  By default Apache is logging with following **LogFormat** and **Customlog**

```
LogFormat "%h %l %u %t "%r" %>s %b" common
CustomLog logs/access_log common
```

Which will be logging in *access.log* format:

```
127.0.0.1 - jericho [10/Oct/2000:13:55:36 -0700] "GET /apache_pb.gif HTTP/1.0" 200 2326
```

Change it to something like:

```
LogFormat "%h %l %u %t "%r" %>s %b "%{Referer}i" "%{User-agent}i"" combined
CustomLog log/access_log combined
```

This would produce logs like:

> 127.0.0.1 - jericho [10/Oct/2000:13:55:36 -0700] "GET /apache_pb.gif HTTP/1.0" 200 2326
> "http://www.example.com/start.html" "Mozilla/4.08 [en] (Win98; I ;Nav)"

Using Combined Log Format produces all logged information from CustomLog ... common, and also logs the **Referrer** and **User-Agent** *headers*, which indicate where users were before *visiting your Web site page* and *which browsers they used*. You can read rore on custom Apache logging tailoring theme on Apache's website