
Apache 'MaxClients exceeded' error.

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 16.02
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Description:

Since a month or two our Webopac is suffering from an overload of HTTPD daemons which is resulting in a Apache 'MaxClients exceeded' error.

We're closely monitoring\analyzing every case but we're not able to get the source of the problem.

-It seems that number of WWW users is not a problem. Approx.30-40 users when problem occurs which should be no problem.

-In the weblog we notice that some requests are taking a very long time or are never ending

Notice this small sequential sample where the second request has ran for 4 minutes:

145.107.0.161 - -

"GET / HTTP/1.1" 200 340

194.171.49.128 - -

"GET /F/YMT22X3GL9K6BQK18LAAEQEUJY781XRJDTQB79BAKIRFD55YDI-03325?func=short-filter-y&start_date=1990&end_date=9999 HTTP/1.1" 503 323

-In apache config we already adjusted the MaxClients but this only delays the problem of reaching the MaxClients

Sample of our current apache config:

Timeout 300

KeepAlive Off

MaxKeepAliveRequests 100

KeepAliveTimeout 15

MinSpareServers 5

MaxSpareServers 10

StartServers 5

MaxClients 150

#MaxClients 200

#edu 29-9-2006 opgehoogd

MaxClients 250

MaxRequestsPerChild 30

-When we look at the www_server logs it looks like the connection is of type 'keep alive' although

in the main config we have 'KeepAlive Off'

Sample of www_server.log:

Header: Keep-Alive <300>

Header: Connection <keep-alive>

Header: Referer <<http://aleph.library.uu.nl/>>

-The only things changed last months are the servicepack levels and adding SFX connectivity.
We are on servicepacklevel 1712

Resolution:

The MaxRequestsPerChild 30 is too low.

Please try to raise the limit to 1000 and see if it helps.

The MaxClients limit can be higher than 255 by enlarging the HARD_SERVER_LIMIT (TO 512 OR EVEN 1024) in
.../include/httpd.h and recompile apache.

- **Article last edited:** 10/8/2013