Subject: Problem with running apache2
Posted by steffen.zieger on Tue, 14 Feb 2006 14:21:42 GMT
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Hello,

If i'm starting apache2, it's runnig for about ten seconds and then gets killed.
The following message is printed to apache log
Quote:[Tue Feb 14 14:19:58 2006] [alert] (12)Cannot allocate memory: apr_thread_create: unable to create work
er thread

Anybody has run into the same problem?

TIA,
Steffen

Subject: Re: Problem with running apache2
Posted by devnu11 on Tue, 14 Feb 2006 16:13:54 GMT
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A real quick check of Everyone's Friend, Google, returned this.

Quote: apr_thread_create: unable to create worker thread

This is a tuning issue. The operating system failed a request by the web server to create another thread. The operating system can be tuned to allow more threads, or the web server can be tuned to create fewer threads per process so that it doesn't encounter this issue.

Things to check:

1. value of ThreadsPerChild in the worker MPM configuration in serverroot/conf/httpd.conf

   It may be too high for current operating system limits on memory or processes or threads.
2. AIX: value of LDR_CNTRL variable in serverroot/bin/envvars file

This controls how much of the address space can be used for heap storage, and heap storage is the main requirement on AIX for being able to create a new thread.

This is the original URL: http://publib.boulder.ibm.com/httpserv/ihsdiag/errorlog.html

Good luck

Subject: Re: Problem with running apache2

Posted by steffen.zieger on Tue, 14 Feb 2006 19:25:37 GMT
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umpf

Next time I will try googling first.

Thanks,
Steffen

Subject: Re: Problem with running apache2
Posted by steffen.zieger on Tue, 14 Feb 2006 20:25:23 GMT
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Hmm...Something is really wrong on my system.
If I'm starting apache2 set to max one client, it works. If I double this value, the error is printed out.

Is there a limit on threads?

Somebody has a running apache2 under debian?

TIA,
Steffen

Subject: Re: Problem with running apache2
Posted by dev on Thu, 16 Feb 2006 11:00:32 GMT
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Steffen, there is a single limit for processes/threads in /proc/user_beancounters calles numproc. You can check failcnt columnt in this file to make sure that you don't hit the limit. I really doubt you do hit it.

What can help to resolve this issue is if you made a strace of apache, e.g.
strace -f -o output_file <cmd to start apache server'

Subject: Re: Problem with running apache2
Posted by steffen.zieger on Thu, 16 Feb 2006 11:30:22 GMT
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I've got Gentoo installed in a VPS. Apache is working in this install.

The difference between Gentoo and Debian/Suse: Apache is using the worker-mpm (threaded). Under Gentoo it's using prefork-mpm.

I'm going to compile Apache under Gentoo with the worker-mpm.

Debian VPS output of cat /proc/user_beancounters:

```
Version: 2.5
       uid  resource          held    maxheld    barrier      limit    failcnt
       101: kmemsize        562242     934175   26624384   26624384          0
            lockedpages          0          0        182        182          0
            privvmpages       1490      14632      15930      17523          1
            shmpages             0        336       1593       1593          0
            dummy                0          0          0          0          0
            numproc             10         20        400        400          0
            physspages        1050       5335          0 2147483647          0
            vmguarpages          0          0       5310 2147483647          0
            oomguarpages      1050       5335       5310 2147483647          0
            numtcpsock           2          6        950        950          0
            numflock             3          9        608        668          0
            numpty               1          1         95         95          0
            numsiginfo           0          7        512        512          0
            tcpsndbuf            0      11472    1268947    4153147          0
            tcprcvbuf            0      86736    1268947    4153147          0
            othersockbuf    112560     124128     634473    3518673          0
            dgramrcvbuf          0       2224     634473     634473          0
            numothersock        72         82        950        950          0
            dcachesize      137529     173265    6144384    6144384          0
            numfile            199        305      16001      16001          0
            dummy                0          0          0          0          0
            dummy                0          0          0          0          0
            dummy                0          0          0          0          0
            numiptent           10         10        200        200          0
```

Output of Gentoo VPS:

```
Version: 2.5
       uid  resource          held    maxheld    barrier      limit    failcnt
       102: kmemsize        255909    1223451    2752512    2936012          0
            lockedpages          0          0         32         32          0
            privvmpages        716      19939      49152      53575          0
            shmpages             0         14       8192       8192          0
            dummy                0          0          0          0          0
            numproc              5         29         65         65          0
            physspages         546      14084          0 2147483647          0
            vmguarpages          0          0       6144 2147483647          0
            oomguarpages       546      14084       6144 2147483647          0
            numtcpsock           0          5         80         80          0
            numflock             0          3        100        110          0
            numpty               1          1         16         16          0
            numsiginfo           0         10        256        256          0
            tcpsndbuf            0     113424     319488     524288          0
            tcprcvbuf            0     220176     319488     524288          0
```

othersockbuf	2224	6672	132096	336896	0
dgramrcvbuf	0	2224	132096	132096	0
numothersock	1	5	80	80	0
dcachesize	56286	122130	1048576	1097728	0
numfile	32	207	2048	2048	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	10	10	128	128	0

Subject: Re: Problem with running apache2
Posted by dev on Thu, 16 Feb 2006 12:02:16 GMT
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you have much lower "privvmpages" limits in your Debian VPS and you hit this limit.
try to increase the limit to the same value as in Gentoo via:
vzctl set 101 --privvmpages 49152:53575

Subject: Re: Problem with running apache2
Posted by steffen.zieger on Thu, 16 Feb 2006 12:07:24 GMT
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Thanks. Must have overseen this.
Now everything is working.

HAND,
Steffen

PS: Have you had the time to take a look at the full no-module-patch? It's working probably on two systems.

Subject: Re: Problem with running apache2
Posted by dev on Thu, 16 Feb 2006 12:14:55 GMT
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P.S.
No, I haven't yet
Glad to hear that it works fine!
