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Subject: apache2 stall in CLOSE\_WAIT state

Posted by [Yoann Moulin](#) on Mon, 23 Jun 2008 10:13:04 GMT

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Hi,

I have a VE in production for a couple of months. HN and VE are running Ubuntu Dapper 6.06.2 LTS

```
> vz01:~$ uname -a
> Linux vz01 2.6.18-028stab053 #1 SMP Tue May 27 15:40:07 CEST 2008 x86_64 GNU/Linux
> vz01:~$ vzctl --version
> vzctl version 3.0.22
```

This VE is only used for http(s) services. Everything have worked well until this week end where we got apache process stalled on CLOSE\_WAIT state and no more process are available to deliver pages

We get this in logs :

```
> server reached MaxClients setting, consider raising the MaxClients setting
```

If I set MaxClients to a higher value, that is just delaying the moment where apache fall in a stalled state.

I gave a look into user beancounter but no hard limit or barrier limit was reached when it occurred.

since it's a production server I can't "play" too much with. I don't know if it's a fully openvz related but I restarted the server on a physical blade and the problem has been fixed.

For now, the server is running on a physical blade, but I can reboot it as a VE server to do some test.

The server is behind a reverse proxy cluster (lighthttp) but nothing has been change on those servers for a couple of weeks.

Note : In our architecture, each physical or virtual server is format after each reboot and populated with a clear boot image. After that, we are using cfengine to apply the right configuration function of the name of the server. I can boot a server on a physical or a virtual server with exactly the same configuration even if specific openvz configuration (such as not start ntp server for example).

```
> ii apache2                2.0.55-4ubuntu2.3      next generation, scalable, extendable web se
> ii apache2-common         2.0.55-4ubuntu2.3      next generation, scalable, extendable web
se
```

- > ii apache2-mpm-prefork 2.0.55-4ubuntu2.3 traditional model for Apache2
- > ii apache2-utils 2.0.55-4ubuntu2.3 utility programs for webserver
- > ii libapache2-mod-php5 5.1.2-1ubuntu3.10 server-side, HTML-embedded scripting language
- > ii libc6 2.3.6-0ubuntu20.5 GNU C Library: Shared libraries and Timezone
- > ii php5-cgi 5.1.2-1ubuntu3.10 server-side, HTML-embedded scripting language
- > ii php5-common 5.1.2-1ubuntu3.10 Common files for packages built from the php
- > ii php5-mcrypt 5.1.2-1 MCRYPT module for php5
- > ii php5-mysql 5.1.2-1ubuntu3.10 MySQL module for php5
- > ii php5-mysqli 5.1.2-1ubuntu3.10 MySQL Improved module for php5

Thanks for your help.

Regards,

Yoann

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Subject: Re: apache2 stall in CLOSE\_WAIT state  
 Posted by [gblond](#) on Tue, 24 Jun 2008 08:34:59 GMT  
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On 23 June 2008 14:13:04 Yoann Moulin wrote:

```
> Hi,
>
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> Ubuntu Dapper 6.06.2 LTS
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> > vzctl version 3.0.22
>
> This VE is only used for http(s) services. Everything have worked well
> until this week end where we got apache process stalled on CLOSE_WAIT
> state and no more process are available to deliver pages
>
> We get this in logs :
> > server reached MaxClients setting, consider raising the MaxClients
> > setting
```

Any suspicious messages in dmesg? Please show output of the commands (in apache's CT):

```
cat /proc/net/netstat
cat /proc/user_beancounters
netstat --tcp -nop
```

>  
> If I set MaxClients to a higher value, that is just delaying the moment  
> where apache fall in a stalled state.

Maybe these articles can help you:

<http://www.usenet-forums.com/linux-web-servers/5368-need-help-server-reached-maxclients-setting.html>

[https://issues.apache.org/bugzilla/show\\_bug.cgi?id=41252](https://issues.apache.org/bugzilla/show_bug.cgi?id=41252)

>  
> I gave a look into user beancounter but no hard limit or barrier limit  
> was reached when it occurred.  
>  
> since it's a production server I can't "play" too much with. I don't  
> know if it's a fully openvz related but I restarted the server on a  
> physical blade and the problem has been fixed.  
>  
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> as a VE server to do some test.  
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> > ii apache2 2.0.55-4ubuntu2.3 next generation,  
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> > next generation, scalable, extendable web se ii  
> > apache2-mpm-prefork 2.0.55-4ubuntu2.3 traditional model for  
> > Apache2 ii apache2-utils 2.0.55-4ubuntu2.3 utility  
> > programs for webserver ii libapache2-mod-php5 5.1.2-1ubuntu3.10  
> > server-side, HTML-embedded scripting languag ii libc6  
> > 2.3.6-0ubuntu20.5 GNU C Library: Shared libraries and  
> > Timezone ii php5-cgi 5.1.2-1ubuntu3.10  
> > server-side, HTML-embedded scripting languag ii php5-common  
> > 5.1.2-1ubuntu3.10 Common files for packages built from the php  
> > ii php5-mcrypt 5.1.2-1 MCrypt module for  
> > php5 ii php5-mysql 5.1.2-1ubuntu3.10 MySQL module  
> > for php5 ii php5-mysqli 5.1.2-1ubuntu3.10 MySQL  
> > Improved module for php5  
>  
> Thanks for you help.

>  
> Regards,  
>  
> Yoann  
--  
Thank,  
Vitaliy Gusev

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Subject: Re: apache2 stall in CLOSE\_WAIT state  
Posted by [Yoann Moulin](#) on Wed, 25 Jun 2008 09:34:11 GMT  
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Hi,

>> I have a VE in production for a couple of months. HN and VE are running  
>> Ubuntu Dapper 6.06.2 LTS  
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>>> Linux vz01 2.6.18-028stab053 #1 SMP Tue May 27 15:40:07 CEST 2008 x86\_64  
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>> We get this in logs :  
>>> server reached MaxClients setting, consider raising the MaxClients  
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> Any suspicious messages in dmesg? Please show output of the commands (in  
> apache's CT):  
>  
> cat /proc/net/netstat  
> cat /proc/user\_beancounters  
> netstat --tcp -nop

I have restarted the server as a VE, but I'm not able to reproduce that  
issue... if it occurs again, I will get those informations

>> If I set MaxClients to a higher value, that is just delaying the moment  
>> where apache fall in a stalled state.  
>  
> Maybe these articles can help you:  
>  
>  
<http://www.usenet-forums.com/linux-web-servers/5368-need-help-server-reached-maxclients-setting.html>

> [https://issues.apache.org/bugzilla/show\\_bug.cgi?id=41252](https://issues.apache.org/bugzilla/show_bug.cgi?id=41252)

thanks

Regards,

Yoann Moulin

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