Subject: Re: TCP hangs up
Posted by nuno on Sat, 09 Jan 2010 09:10:11 GMT
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Sékiltoyai wrote on Sat, 09 January 2010 01:27Hello,

Thanks for your answer.

Seems to be ok with your recommend. I have put tcpsndbuf to 48MB:64MB and i can send a 8GB file on my fastest connexion.

Here is the result in ubc :
240:
kmemsize 2358102 3607954 20971520 31457280 0
...
tcpsndbuf 106952 9038280 50331648 67108864 0
...
So i think a barrier around 10MB will be suitable.

Don't forget that you can have 100 of those connections. Testing is your best bet.

Sékiltoyai wrote on Sat, 09 January 2010 01:27
But i have two questions :
- Is it a normal behaviour that programs (or kernel network driver, i don't know where is the problem) hangs up in case of this tcp buffer shortage ? Isn't there a bug in the kernel, which should simply reject new send() system calls when its buffers are full ?
- Why a call to vzsplit (with a division in 6 vps) gives me a tcpsndbuf of approximately 5.8MB:11MB, so a barrier of 5.8MB, which is far below the needed barrier ?

After faling to allocate memory the TCP connection may be FUBAR (damaged beyond repair).

I never rely on vzsplit. Maybe those numbers will be fine for a 1mbit link? Or for a VPS provider that wants to put 200 containers in a small server? It's a good question for the maintainers.

Regards,