
Subject: RE: cgroup: limit network bandwidth
Posted by [den](#) on Fri, 08 Feb 2008 07:52:56 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello, Andrea!

I have occasionally seen your patch on LWN (missed one in netdev@) and have two words about. May be this is not too late. I have missed my entire mailbox yesterday and have not followed the discussion. Pls forgive me.

Rate-limiting message receive is nothing good at all. First, if we talk about i386, the most important resource is low memory. There are no more than 1 Gb of it. You suggest to keep it used more time than usual and this usage will not reduce network traffic to the node for UDP cases.

For TCP the situation is slightly better. But not quite a big. For a case of rather slow group with a bug traffic you will just eat 64kb * Nsockets of receive buffers.

So, resource usage is just increased for a case. This is unfortunate. In order to proper rate-limiting you need to calculate memory used

- dropping incoming packets early for UDP
- manage TCP window on the base of buffer memory used by the cgroup

Regards,
Den

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
