

## Messengers - Fix #20330

### msg : tcp backlog parameter increase

06/16/2017 08:01 PM - red ref

<b>Status:</b>	Resolved	<b>% Done:</b>	0%
<b>Priority:</b>	Normal		
<b>Assignee:</b>	Haomai Wang		
<b>Category:</b>			
<b>Target version:</b>	v12.1.0		
<b>Source:</b>	Community (user)	<b>Affected Versions:</b>	v11.2.1, v12.0.0, v12.1.0
<b>Tags:</b>		<b>ceph-qa-suite:</b>	
<b>Backport:</b>		<b>Pull request ID:</b>	
<b>Reviewed:</b>		<b>Crash signature:</b>	
<b>Description</b>			
<p>On a quite large cluster, during a cold restart phase, I noticed from tcp metrics some "ListenOverflows" and "ListenDrops" from /proc/net/netstat. On the other side, OSD's were failing to join MON's or peers (according to logs). Digging into, I tried to increase sysctl "net.core.somaxconn" kernel parameter (from some tutorials). Unfortunately, this parameter did not solved this issue. According to "ss -ln", nothing changed on the socket side.</p> <p>Looking at linux documentation, I recompiled my packages modifying "128" hardcoded values from :</p> <ul style="list-style-type: none"><li>- <a href="https://github.com/ceph/ceph/blob/master/src/msg/simple/Acceptor.cc">https://github.com/ceph/ceph/blob/master/src/msg/simple/Acceptor.cc</a> : line 214</li><li>- <a href="https://github.com/ceph/ceph/blob/master/src/msg/async/PosixStack.cc">https://github.com/ceph/ceph/blob/master/src/msg/async/PosixStack.cc</a> : line 325</li><li>- <a href="https://github.com/ceph/ceph/blob/master/src/msg/async/rdma/RDMAserverSocketImpl.cc">https://github.com/ceph/ceph/blob/master/src/msg/async/rdma/RDMAserverSocketImpl.cc</a> : line 59 (I do not use RDMA)</li></ul> <p>Values from "ss -ln" changed well this time and cluster reboot became smoother.</p> <p>I think those values might evolve to something greater (&gt; 1024) or even the maximum stock kernel accepts (65535) as it is capped by "somaxconn" value.</p> <p>Another possibility would be to make it configurable.</p>			

### History

#### #1 - 06/17/2017 04:41 AM - Kefu Chai

- Status changed from New to Fix Under Review
- Assignee set to Haomai Wang

<https://github.com/ceph/ceph/pull/15743>

#### #2 - 07/07/2017 02:24 AM - Sage Weil

- Status changed from Fix Under Review to Resolved

#### #3 - 03/12/2019 11:12 PM - Greg Farnum

- Project changed from Ceph to Messengers
- Category deleted (msg)