

## FreeNAS - Bug #63180

### Relax the TCP reassembly queue length limit to improve performance

12/10/2018 10:19 AM - Ryan Moeller

<b>Status:</b> Done	
<b>Priority:</b> No priority	
<b>Assignee:</b> Ryan Moeller	
<b>Category:</b> OS	
<b>Target version:</b> 11.1-U7	
<b>Seen in:</b> 11.1-U6	<b>Needs Merging:</b> No
<b>Severity:</b> Medium	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>	<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>	<b>Hardware Configuration:</b>
<b>Needs QA:</b> No	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b> No	
<b>Description</b> (For tracking this fix in 11.1)  *Original ticket description:  See discussion on forums at  <a href="https://forums.freenas.org/index.php?threads/11-1-u6-update-transfer-aborts-on-smb-share-mac-client.69553/">https://forums.freenas.org/index.php?threads/11-1-u6-update-transfer-aborts-on-smb-share-mac-client.69553/</a> <a href="https://forums.freenas.org/index.php?threads/network-issues-after-upgrading-to-11-1-u6.69506/">https://forums.freenas.org/index.php?threads/network-issues-after-upgrading-to-11-1-u6.69506/</a>  Two different reports of erratic network issues between FreeNAS and MacOS clients after upgrading to U6, observed in SMB and SCP timeouts and/or network performance dropping to zero, sometimes recovering before dropping to zero again.  Symptoms verified on MacOS 10.13.6 and 10.12.6.  Disappear after rollback to FreeNAS to 11.1-U5, everything else equal.	
<b>Related issues:</b> Copied from FreeNAS - Bug #43558: Relax the TCP reassembly queue length limit... <b>Done</b>	

#### Associated revisions

##### Revision 9c21d720 - 01/03/2019 09:25 PM - Ryan Moeller

Relax the TCP reassembly queue length limit

Ticket: #63180

##### Revision cd3428b9 - 01/10/2019 11:52 AM - Ryan Moeller

Relax the TCP reassembly queue length limit

Ticket: #63180

#### History

##### #1 - 12/10/2018 10:19 AM - Ryan Moeller

- Copied from Bug #43558: Relax the TCP reassembly queue length limit to improve performance added

**#2 - 12/10/2018 11:05 AM - Bug Clerk**

- Status changed from *In Progress* to *Ready for Testing*

11.1 PR: <https://github.com/freenas/freenas/pull/2228>

**#3 - 12/10/2018 11:06 AM - Ryan Moeller**

- Needs Merging changed from *Yes* to *No*

**#4 - 01/04/2019 08:55 AM - Ryan McKenzie**

- Status changed from *Ready for Testing* to *Failed Testing*

The PRs merged set this parameter correctly for FreeNAS but not for TrueNAS:

```
root@freenas:~ # cat /etc/version
FreeNAS-11.1-U7-INTERNAL1 (alb242766)
root@freenas:~ # sysctl -a | grep net.inet.tcp.reass.maxqueuelen
net.inet.tcp.reass.maxqueuelen: 1448
```

```
root@truenas:~ # cat /etc/version
TrueNAS-11.1-U7-INTERNAL3 (alb242766)
root@truenas:~ # sysctl -a | grep net.inet.tcp.reass.maxqueuelen
net.inet.tcp.reass.maxqueuelen: 100
```

**#5 - 01/04/2019 09:35 AM - Ryan Moeller**

- Status changed from *Failed Testing* to *In Progress*

- Needs Merging changed from *No* to *Yes*

**#7 - 01/10/2019 11:53 AM - Ryan Moeller**

- Status changed from *In Progress* to *Ready for Testing*

- Needs Merging changed from *Yes* to *No*

**#8 - 01/15/2019 10:59 AM - Ryan McKenzie**

- Status changed from *Ready for Testing* to *Passed Testing*

- Needs QA changed from *Yes* to *No*

As of TN11.1u7 internal 5 the parameter has changed. Ryan Moeller says the value for FreeNAS is a bit higher and will be corrected to match the TrueNAS value in a future release.

```
root@truenas:~ # cat /etc/version
TrueNAS-11.1-U7-INTERNAL5 (4b35724de)
root@truenas:~ # sysctl -a | grep net.inet.tcp.reass.maxqueuelen
net.inet.tcp.reass.maxqueuelen: 1436
```

**#9 - 01/15/2019 11:00 AM - Dru Lavigne**

- *Status changed from Passed Testing to Done*