

## Ceph - Bug #4664

### libceph: skip message if too big to receive

04/05/2013 09:46 AM - Alex Elder

<b>Status:</b>	Resolved	<b>% Done:</b>	0%
<b>Priority:</b>	Normal	<b>Spent time:</b>	0.00 hour
<b>Assignee:</b>	Alex Elder		
<b>Category:</b>			
<b>Target version:</b>	v0.62a		
<b>Source:</b>	Development	<b>Affected Versions:</b>	
<b>Tags:</b>		<b>ceph-qa-suite:</b>	
<b>Backport:</b>		<b>Pull request ID:</b>	
<b>Regression:</b>	No	<b>Crash signature (v1):</b>	
<b>Severity:</b>	3 - minor	<b>Crash signature (v2):</b>	
<b>Reviewed:</b>			

#### Description

I've been aware of this for a while but it just occurred to me I have a solution...

If a message is coming in for which the data buffer to receive it is too small to hold it, just drop the message.

Right now the messenger seems to blindly assume it's all going to fit.

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We know the length of our message buffers. If we get a message that's too long, just dump it and ignore it.

Signed-off-by: Alex Elder <[elder@inktank.com](mailto:elder@inktank.com)>

---  
net/ceph/messenger.c | 6 +++++  
1 file changed, 6 insertions(+)

Index: b/net/ceph/messenger.c =====

```
--- a/net/ceph/messenger.c
+++ b/net/ceph/messenger.c
@ -2210,6 +2210,12 @ static int read_partial_message(struct c
ret = ceph_con_in_msg_alloc(con, &skip);
if (ret < 0)
return ret;

+     if (data_len > con->in_msg->data_length) {
+         pr_warning("%s skipping long message (%u > %zd)\n",
+             func, data_len, con->in_msg->data_length);
+         skip = 1;
+     }
if (skip) {
/* skip this message */
dout("alloc_msg said skip message\n");
```

#### History

#1 - 04/05/2013 03:29 PM - Alex Elder

- Status changed from In Progress to Fix Under Review

The following patch has been posted for review:

[PATCH] libceph: skip message if too big to receive

**#2 - 04/06/2013 12:54 PM - Alex Elder**

- *Status changed from Fix Under Review to In Progress*

This patch has a bug. See this for more info:

<http://tracker.ceph.com/issues/4674>

(I'm going to reject that bug and just post an update to this patch since it's still open.)

**#3 - 04/08/2013 08:18 PM - Alex Elder**

- *Status changed from In Progress to Resolved*

The following has been committed to the "testing" branch of the ceph-client git repository:

5a0084a libceph: skip message if too big to receive