**Description**

When the encode/decode for `object_stat_sum_t` went from version 19 to 20 the fast path wasn't updated.

```bash
$ ceph-objectstore-tool --op dump-import --file 1.0.export
2019-04-12 09:46:30.901 7f51b46bba00 -l WARNING: all dangerous and experimental features are enabled.

terminate called after throwing an instance of 'ceph::buffer::malformed_input'
  what():   buffer::malformed_input: void object_stat_sum_t::decode(ceph::buffer::v14_2_0::list::const_iterator&) decode past end of struct encoding
*** Caught signal (Aborted) ***
```

```c
in thread 7f51b46bba00 thread_name:ceph-objectstore
ceph version 15.0.0-257-g5fa9b0af82 (5fa9b0af82c87e7f80b7a78e59c0f0248c92f13c) octopus (dev)
```

```
1: ((0)+0x1fbba4) [0x55e5c2e94aa4]
2: ((0)+0x12890) [0x7f51a8534890]
3: (gsignal()+0xc7) [0x7f51a7628e97]
4: (abort()+0x141) [0x7f51a762a801]
5: ((0)+0x8c8b7) [0x7f51a801d8b7]
6: ((0)+0x92a06) [0x7f51a8023a06]
7: ((0)+0x92a41) [0x7f51a8023a41]
8: ((0)+0x92c74) [0x7f51a8023c74]
9: (object_stat_sum_t::decode(ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x88f) [0x55e5c29818c1]
10: (decode(object_stat_sum_t&, ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x23) [0x55e5c29a5b84]
11: (object_stat_collection_t::decode(ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x29d) [0x55e5c2982e73]
12: (decode(object_stat_collection_t&, ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x23) [0x55e5c281528b]
13: (pg_stat_t::decode(ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x3e2) [0x55e5c2984bc1]
14: (decode(pg_stat_t&, ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x23) [0x55e5c25322f3]
15: (pg_info_t::decode(ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x350) [0x55e5c29873a]
16: (decode(pg_info_t&, ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x23) [0x55e5c2428322]
17: (metadata_section::decode(ceph::buffer::v14_2_0::list::iterator_impltrue)&)+0x2a3) [0x55e5c24349a3]
18: (dump_pg_metadata(ceph::Formatter*, ceph::buffer::v14_2_0::list&, metadata_section&))+0x4a) [0x55e5c2407711]
19: (ObjectStoreTool::dump_metadata(ceph::Formatter*)+0x5c1) [0x55e5c2407809]
20: (main()+0x27d3) [0x55e5c2416256]
21: (_libc_start_main()+0xe7) [0x7f51a760bb97]
22: (_start()+0x2a) [0x55e5c23fed5a]
```

**Related issues:**

Copied to RADOS - Backport #39320: nautilus: object_stat_sum_t decode broken... Resolved
History

#1 - 04/12/2019 06:40 PM - David Zafman
- Status changed from New to In Progress
- Pull request ID set to 27564

#2 - 04/16/2019 10:32 AM - Nathan Cutler
- Backport set to nautilus

#3 - 04/16/2019 10:32 AM - Nathan Cutler
- Status changed from In Progress to Pending Backport

#4 - 04/16/2019 10:32 AM - Nathan Cutler
- Copied to Backport #39320: nautilus: object_stat_sum_t decode broken if given older version added

#5 - 04/16/2019 10:32 AM - Nathan Cutler
- Status changed from Pending Backport to Fix Under Review

#6 - 04/16/2019 02:41 PM - Nathan Cutler
- Status changed from Fix Under Review to Pending Backport

#7 - 04/16/2019 02:41 PM - Nathan Cutler
- Status changed from Pending Backport to Resolved

#8 - 04/16/2019 11:08 PM - David Zafman
- Status changed from Resolved to Pending Backport

#9 - 04/16/2019 11:10 PM - David Zafman
- Status changed from Pending Backport to Resolved