

rgw - Bug #22541

put bucket policy panics RGW process

12/26/2017 08:59 AM - ☐ ☐ ☐

Status:	Resolved	Start date:	12/26/2017
Priority:	Normal	Due date:	
Assignee:	Adam Emerson	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v13.0.0	Spent time:	0.00 hour
Source:		Reviewed:	
Tags:	RGW	Affected Versions:	
Backport:	luminous	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	1 - critical		

Description

When put bucket policy with invalid effect, the RGW process panics with "Segmentation fault".

Example bucket policy {

```
'Statement':[{  
'Effect':'All',  
}]  
}
```

RGW panic trace

0> 2017-12-26 15:05:52.479 7f45b4e33700 -1 ** Caught signal (Segmentation fault) *
in thread 7f45b4e33700 thread_name:civetweb-worker

ceph version 13.0.0-4024-g0ba3308 (0ba33080769d8aa696b7e704c01edf5c05cab6c1) mimic (dev)

```
1: ((+0x1f9bec) [0x556929ae0bec]  
2: ((+0x11390) [0x7f45edda6390]  
3: (rgw::IAM::ParseState::do_string(CephContext*, char const*, unsigned long)+0x200) [0x556929d59030]  
4: (void rapidjson::GenericReader<rapidjson::UTF8<char>;, rapidjson::UTF8<char>;, rapidjson::CrtAllocator>::ParseString<rapidjson::GenericStringStream<rapidjson::UTF8<char>;>, rgw::IAM::PolicyParser>(rapidjson::GenericStringStream<rapidjson::UTF8<char>;> &, rgw::IAM::PolicyParser&, bool)+0x11a) [0x556929d6457a]  
5: (void rapidjson::GenericReader<rapidjson::UTF8<char>;, rapidjson::UTF8<char>;, rapidjson::CrtAllocator>::ParseObject<rapidjson::GenericStringStream<rapidjson::UTF8<char>;>, rgw::IAM::PolicyParser>(rapidjson::GenericStringStream<rapidjson::UTF8<char>;> &, rgw::IAM::PolicyParser&)+0x147) [0x556929d650d7]  
6: (void rapidjson::GenericReader<rapidjson::UTF8<char>;, rapidjson::UTF8<char>;, rapidjson::CrtAllocator>::ParseValue<rapidjson::GenericStringStream<rapidjson::UTF8<char>;>, rgw::IAM::PolicyParser>(rapidjson::GenericStringStream<rapidjson::UTF8<char>;> &, rgw::IAM::PolicyParser&)+0x156) [0x556929d64cb6]  
7: (void rapidjson::GenericReader<rapidjson::UTF8<char>;, rapidjson::UTF8<char>;, rapidjson::CrtAllocator>::ParseObject<rapidjson::GenericStringStream<rapidjson::UTF8<char>;>, rgw::IAM::PolicyParser>(rapidjson::GenericStringStream<rapidjson::UTF8<char>;> &, rgw::IAM::PolicyParser&)+0x147) [0x556929d650d7]  
8: (rgw::IAM::Policy::Policy(CephContext*, std::__cxx11::basic_string<char, std::char_traits<char>;, std::allocator<char>;> const&, ceph::buffer::list const&)+0x123) [0x556929d5a7e3]  
9: (RGWPutBucketPolicy::execute()+0x97) [0x556929bbb907]  
10: (rgw_process_authenticated(RGWHandler_REST*, RGWOp*&, RGWRequest*, req_state*, bool)+0x14f) [0x556929becfbf]  
11: (process_request(RGWRados*, RGWREST*, RGWRequest*, std::__cxx11::basic_string<char, std::char_traits<char>;, std::allocator<char>;> const&, rgw::auth::StrategyRegistry const&, RGWRestfulIO*, OpsLogSocket*)+0x186c) [0x556929beea3c]  
12: (RGWCivetWebFrontend::process(mg_connection*)+0x39c) [0x556929a991fc]  
13: ((+0x1eb189) [0x556929ad2189]
```

14: ((+0x1ecb59) [0x556929ad3b59])
15: ((+0x76ba) [0x7f45edd9c6ba])
16: (clone()+0x6d) [0x7f45e39a63dd]

NOTE: a copy of the executable, or ``objdump -rdS <executable>`` is needed to interpret this.

Related issues:

Copied to rgw - Backport #22618: luminous: put bucket policy panics RGW process

Resolved

History

#1 - 12/26/2017 09:28 AM - Jos Collin

- Status changed from New to Need Review

<https://github.com/ceph/ceph/pull/19687>

#2 - 01/04/2018 06:48 PM - Matt Benjamin

- Status changed from Need Review to Testing

#3 - 01/05/2018 06:08 PM - Adam Emerson

- Assignee set to Adam Emerson

- Backport set to luminous

#4 - 01/08/2018 06:31 PM - Adam Emerson

- Status changed from Testing to Pending Backport

#5 - 01/08/2018 06:32 PM - Adam Emerson

- Copied to Backport #22618: luminous: put bucket policy panics RGW process added

#6 - 01/20/2018 04:28 PM - Nathan Cutler

- Status changed from Pending Backport to Resolved