

Arvados - Bug #15521

[keepstore] error reporting improvements

08/06/2019 01:36 PM - Peter Amstutz

Status: Resolved	Start date: 10/31/2019
Priority: Normal	Due date:
Assigned To: Tom Clegg	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 2019-11-06 Sprint	
Description From ops bug #15520 Keepstore logging improvements: <ol style="list-style-type: none">1. Keepstore PutBlock() calls log.Printf, this line of code is untouched from 2014 (!) it is being logged in JSON format but lacks useful context like the request id.2. The error that is sent to the client is not logged at all.3. The log doesn't say anything about where the block is being fetched from -- which volume, bucket, remote cluster, anything4. the error that reaches the user needs to make it clear that the problem was in fetching a remote block; requires some combination of improving server and client error messages	
Subtasks: Task # 15750: Review 15521-keepstore-logging Resolved	
Related issues: Related to Arvados - Bug #15606: [keep-web] logging doesn't include error mes... Resolved 10/29/2019 Related to Arvados - Bug #15713: [Controller] Internal error not logged Resolved 10/24/2019	

Associated revisions

Revision 4554374c - 10/31/2019 08:29 PM - Tom Clegg

Merge branch '15521-keepstore-logging'

refs #15521
refs #15520

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

History

#1 - 08/06/2019 01:38 PM - Peter Amstutz

- Description updated

#2 - 08/14/2019 03:18 PM - Tom Morris

- Target version changed from 2019-08-14 Sprint to Arvados Future Sprints

#3 - 08/20/2019 06:32 PM - Peter Amstutz

- Subject changed from federation error reporting improvements to [keepstore] error reporting improvements

#4 - 08/21/2019 02:29 PM - Tom Morris

- Story points set to 2.0

#5 - 10/16/2019 07:32 PM - Peter Amstutz

- Related to Bug #15606: [keep-web] logging doesn't include error messages added

#6 - 10/23/2019 03:06 PM - Tom Clegg

- Assigned To set to Tom Clegg

- Target version changed from Arvados Future Sprints to 2019-11-06 Sprint

#7 - 10/29/2019 05:48 PM - Tom Clegg

- Status changed from New to In Progress

#8 - 10/29/2019 05:49 PM - Tom Clegg

- Related to Bug #15713: [Controller] Internal error not logged added

#9 - 10/30/2019 03:38 AM - Tom Clegg

1. Keepstore PutBlock() calls log.Printf, this line of code is untouched from 2014 (!) it is being logged in JSON format but lacks useful context like the request id.

Updated "MD5 checksum %s did not match request" logs (and many other logs in keepstore) to use ctxlog so they include request id, loglevel, etc.

Fixed an unreported error: PutBlock tries volmgr.NextWritable(), and if that fails, it tries all writable volumes in sequence. The error from that first failure wasn't being logged.

1. The error that is sent to the client is not logged at all.

Already fixed in [#15713](#).

1. The log doesn't say anything about where the block is being fetched from -- which volume, bucket, remote cluster, anything

If we get bad data from a remote service, we get two log entries:

msg="%s: MD5 checksum %s did not match request"

respStatusCode=502 respBody="checksum mismatch in remote response" (respBody added in [#15713](#))

1. the error that reaches the user needs to make it clear that the problem was in fetching a remote block; requires some combination of improving server and client error messages

The server is sending "checksum mismatch in remote response".

15521-keepstore-logging @ [62d28600cbfc31f8e72c61e4519ff198cb66a02a](#) -- <https://ci.curoverse.com/view/Developer/job/developer-run-tests/1616/>

#11 - 10/31/2019 08:05 PM - Lucas Di Pentima

This LGTM, thanks.

#12 - 10/31/2019 08:30 PM - Tom Clegg

- Status changed from In Progress to Resolved

#13 - 01/22/2020 02:50 PM - Peter Amstutz

- Release set to 22