

Arvados - Bug #11556

occasional API server badness: 'incomplete response received from application'

04/26/2017 04:40 PM - Joshua Randall

Status:	New	Start date:	04/26/2017
Priority:	Normal	Due date:	
Assigned To:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Clients sometimes get the following response from our API server:

```
$ curl -H 'Authorization: OAuth2 '$ARVADOS_API_TOKEN https://$ARVADOS_API_HOST/arvados/v1/pipeline_instances/z8ta6-dlhrv-1gktmvpt7qmbdsi
<h2>Incomplete response received from application</h2>
```

When this happens, it seems to happen a lot - i.e. it won't happen for a long while and then it will suddenly start happen with some frequency (usually once every few attempts, but sometimes for every attempt for a few minutes).

The only log entry in the API server's production log that seems relevant during this period is the following:

```
ActiveRecord::ConnectionTimeoutError (could not obtain a database connection within 5 seconds (waited 5.000092554 seconds). The max pool size is currently 5; consider increasing it.):
  app/middlewares/arvados_api_token.rb:59:in `call'
```

But it does not seem to happen on every request, it is just logged sometimes during the bad times.

I've now set `pool: 40` in database.yml so I'll see if that fixes anything. The postgresql logs during this time don't log any errors or any failed connection attempts, although the time I looked at was during a database checkpoint and vacuum operation. Maybe that has something to do with it?

The following are longer logs from a particular time when it was all going wrong (in which I was testing directly with curl but also workbench).

nginx frontend log:

```
172.17.180.10 - - [26/Apr/2017:17:10:05 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-q6hrrxo5meyzizi HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:06 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xq1r8b5b8wmg72 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:06 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-xddgoh9x6i0h5x2 HTTP/1.1" 200 1469 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:06 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xq1r8b5b8wmg72 HTTP/1.1" 200 2889 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:06 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xq1r8b5b8wmg72 HTTP/1.1" 200 2889 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-1mny4ehpite15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-wj93ifb7e2mh5rv HTTP/1.1" 200 1467 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-1mny4ehpite15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Li
```

nux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-lmnay4ehpite15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2790 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-jx5akegebjn8ura HTTP/1.1" 200 1560 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2980 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2999 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:08 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:08 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-yggtg6lhlpc95w HTTP/1.1" 200 1466 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:09 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:09 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-obvxyucljlqe2r5 HTTP/1.1" 200 1467 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:09 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:09 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-ghmssff5543ufib HTTP/1.1" 200 1469 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxofs6mvqti HTTP/1.1" 200 2891 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-nbchneznzposa6g HTTP/1.1" 200 1470 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxofs6mvqti HTTP/1.1" 200 2891 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.125.15 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-lgktmpvt7qmbdsdi HTTP/1.1" 502 54 "-" "curl/7.22.0 (x86_64-pc-linux-gnu) libcurl/7.22.0 OpenSSL/1.0.1 zlib/1.2.3.4 libidn/1.23 librtmp/2.3"
172.17.180.10 - - [26/Apr/2017:17:10:15 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxofs6mvqti HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:21 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-ry2w3vzgm782jo3 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:27 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-e263otp5ar8wzpz HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:32 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-ph1smfl4dzmkvhi HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:38 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-s30zwbvsqhlqe8z HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:43 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-vg672cm79xazoc5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:49 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xkwkeil2pobdybv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:10:54 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-355ug7lekyelphh HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:00 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-jmmz0393gb8mdr5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:06 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-tknxo8hy3iuzgog HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:11 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-sy5bwcgxdurz6d8 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:17 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-g7c03mnyzpr68d0 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:22 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-zj9ppkcmko7r29h HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:28 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-pek97c6v654lpr HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:34 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xqg4sunuvoi72ut HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:39 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-7t1tql10quanr3l HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:45 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-wg99e7frx8wdnjz HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:51 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-naihasmk4hdlikl HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:11:56 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-y3gxksgrxvow2m HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:12:02 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-a9tb0piltvoey2p HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:12:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-wsrigv4a4lk0qs6 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:12:13 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-fg4glvdxnmavw9e HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:12:18 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-q6xybumiyunarv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

172.17.180.10 - - [26/Apr/2017:17:12:24 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-y8s

lip5ml3weody HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:30 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-eywnlihtck4wmp HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:35 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-czx55wpgormgz70 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:41 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-k8se442ey5cs2oe HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:46 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-cc07ckhohihnr2r HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:52 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xphz9nbp1mmt3u9 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:12:57 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-9ss82yz9udcmes2 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:03 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-s1001dwbwqqlmbv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:09 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-td9my0b3itehjb HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:14 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-lsphdcriaumh0nx HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:20 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-zd8617jr0z2cxlg HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:25 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-8ju3etb13302xqn HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:31 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-621s20xny8bxikk HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:37 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-lnyteeyqb98nun5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:42 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-sln2pccinu28wtj HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:48 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-2chtr2pnzj0k8et HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:53 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-7y9eduhe4kudhz6 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:13:59 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-hqrkkgif0tiyxzq HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
172.17.180.10 - - [26/Apr/2017:17:14:04 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-cdcxtcq4vu3jfnk HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

nginx backend log:

127.0.0.1 - - [26/Apr/2017:17:10:05 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-q6hrrxo5meyzizi HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:06 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xqlr8b5b8wmg72 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:06 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-xddgoh9x6i0h5x2 HTTP/

1.1" 200 1469 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:06 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xqlr8b5b8wmg72 HTTP/1.1" 200 2889 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:06 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-5xqlr8b5b8wmg72 HTTP/1.1" 200 2889 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-1mny4ehpите15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-wj93ifb7e2mh5rv HTTP/1.1" 200 1467 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-1mny4ehpите15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-1mny4ehpите15z HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2790 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-jx5akegebjn8ura HTTP/1.1" 200 1560 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:07 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2980 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-tkxeem3epv5ovzz HTTP/1.1" 200 2999 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:08 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:08 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-yggtg6lhlpck95w HTTP/1.1" 200 1466 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:08 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3yjh7749twxrqcf HTTP/1.1" 200 2886 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:09 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:09 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-obvxyuclj1qe2r5 HTTP/1.1" 200 1467 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:09 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:09 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-oaj6wg7xblazxq7 HTTP/1.1" 200 2888 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-ghmssff5543ufib HTTP/1.1" 200 1469 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-3c733sowg7wtbya HTTP/1.1" 200 2890 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxo fs6mvqti HTTP/1.1" 200 2891 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/jobs/z8ta6-8i9sb-nbchnecnzposa6g HTTP/1.1" 200 1470 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxo fs6mvqti HTTP/1.1" 200 2891 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:10 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-1gktmvp t7qmbdsi HTTP/1.1" 502 54 "-" "curl/7.22.0 (x86_64-pc-linux-gnu) libcurl/7.22.0 OpenSSL/1.0.1 zlib/1.2.3.4 libidn/1.23 librtmp/2.3"
127.0.0.1 - - [26/Apr/2017:17:10:15 +0100] "PUT /arvados/v1/pipeline_instances/z8ta6-dlhrv-uh94fxo fs6mvqti HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:21 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-ry2w3vz gm782jo3 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:27 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-e263otp 5ar8wzpz HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:32 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-phlsmfl 4dzmkvhi HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:38 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-s30zwbv sqhlqe8z HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:43 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-vg672cm 79xazoc5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:49 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xkweil 2pobdybv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:10:54 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-355ug7l ekyelphh HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:00 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-jmmz039 3gb8mdr5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:06 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-tnkx08h y3iuzgog HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:11 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-sy5bwcg xdurz6d8 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:17 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-g7c03mn yzpr68d0 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:22 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-zj9ppkc mko7r29h HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:28 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-pek97c6 v654lrpr HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:34 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xqg4sun uvoi72ut HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:39 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-7tltql1 0quanr3l HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:45 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-wg99e7f rx8wdnjz HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:11:51 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-naihasm k4hdlikl HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"

127.0.0.1 - - [26/Apr/2017:17:11:56 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-y3gxksgrxvov2m HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:02 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-a9tb0piltvoey2p HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:07 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-wsrigv4a41k0qs6 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:13 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-fg4glvdnxmavw9e HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:18 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-q6xqybumiyunarv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:24 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-y8slip5ml3weody HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:30 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-eywnlihtkck4wmp HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:35 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-czx55wpgormgz70 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:41 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-k8se442ey5cs2oe HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:46 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-cc07ckhohihnr2r HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:52 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-xphz9nbp1mmt3u9 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:12:57 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-9ss82yz9udcmes2 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:03 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-s1001dwbwqq1mbv HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:09 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-td9my0b3itehjyb HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:14 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-1sphdcriaumh0nx HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:20 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-zd8617jr0z2cxlg HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:25 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-8ju3etb13302xqn HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:31 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-621s20xny8bxikk HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:37 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-1nyteeyqb98nun5 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:42 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-sln2pccinu28wtj HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:48 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-2chtr2pnzj0k8et HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:53 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-7y9eduh e4kudhz6 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:13:59 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-hqrkwgi

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f0tiyxzq HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:14:04 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-cdcxtcq4vu3jfnk HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
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127.0.0.1 - - [26/Apr/2017:17:14:49 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-uopo4j8k5qnc8qi HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
127.0.0.1 - - [26/Apr/2017:17:14:55 +0100] "GET /arvados/v1/pipeline_instances/z8ta6-dlhrv-p6eog7u2ifgk1x8 HTTP/1.1" 502 54 "-" "arv-run-pipeline-instance/0.0 google-api-ruby-client/0.8.7 Linux/3.13.0-88-generic"
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```

api server production.log:

```
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[api.arvados.sanger] [75c1098d9a9c28638aeb3003bbeb2626] WARNING: Can't verify CSRF token authenticity
[api.arvados.sanger] [75c1098d9a9c28638aeb3003bbeb2626] {"method":"PUT","path":"/arvados/v1/pipeline_instances/z8ta6-dlhrv-5xqlr8b5b8wmg72","format":"*/*","controller":"arvados/v1/pipeline_instances","action":"update","status":200,"duration":30.98,"view":0.18,"db":19.88,"params_truncated":{"pipeline_instance":{"components":{"gatk-haplotypecaller-cram-gvcf":{"script":{"gatk-haplotypecaller-cram.py"},"script_version":{"master"},"repository":{"jrl7/hgi"},"script_parameters":{"reference_collection":{"required":true,"dataclass":"Collection"},"value":{"1b447d1aa006cde57df03042736750b9+7894"},"inputs_collection":{"required":true,"dataclass":"Collection"},"value":{"f9c6d635baa8fb22c9cbd2821afcc838+958"},"interval_lists_collection":{"required":true,"dataclass":"Collection"},"value":{"4a72f79fd2ed51ac692bc326fb168f37+10043}}},"runtime_constraints":{"docker_image":{"mercury/gatk-3.5},"min_nodes":1,"max_tasks_per_node":10,"keep_cache_mb_per_task":1280},"job":{"href":"/jobs/z8ta6-8i9sb-xddgoh9x6i0h5x2"},"kind":"arvados#job","etag":"6cl04enqsgqgxfxeudqir5eb"},"uid":{"z8ta6-8i9sb-xddgoh9x6i0h5x2"},"o
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[z8ta6-dlhrv-vaxsbvcgfb7kce7](#)

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ActiveRecord::ConnectionTimeoutError (could not obtain a database connection within 5 seconds (wai
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  app/middlewares/arvados_api_token.rb:59:in `call'

Connecting to database specified by database.yml
Websockets disabled
[api.arvados.sanger] [a2e91257975922bab6eb5ecda49d48d5] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [d377b1e4fd6694a918d14a4c5472829] WARNING: Can't verify CSRF token authentic
ity
```

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[api.arvados.sanger] [25b8d9513f2ee702ad047a28d0f12e35] WARNING: Can't verify CSRF token authenticity
[api.arvados.sanger] [89665f3f5d11b4f050f61831c520a946] {"method":"POST","path":"/arvados/v1/nodes/z8ta6-7ekkf-kjcae6e2x2ze9wy/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping","status":200,"duration":34.03,"view":0.21,"db":26.22,"params":{"ping_secret":"qndwiq4ny11xix5lz2m0mx7mfuyngmdvf7iiaxkp6wq3ernyf","total_cpu_cores":"40","total_ram_mb":"193289","total_scratch_mb":"68302106"},"@timestamp":"2017-04-26T16:20:01.708154573Z","@version":"1","message":"[200] POST /arvados/v1/nodes/z8ta6-7ekkf-kjcae6e2x2ze9wy/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [25b8d9513f2ee702ad047a28d0f12e35] {"method":"POST","path":"/arvados/v1/nodes/z8ta6-7ekkf-ztb4ykmct18bt52/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping","status":200,"duration":40.13,"view":0.26,"db":31.55,"params":{"ping_secret":"h4f91c7utwx1scwl969cawg7yuh506cxtmd2moa6vv4klygyj","total_cpu_cores":"32","total_ram_mb":"257867","total_scratch_mb":"788561"},"@timestamp":"2017-04-26T16:20:01.719143961Z","@version":"1","message":"[200] POST /arvad
```

```
os/v1/nodes/z8ta6-7ekkf-ztb4ykmctl8bt52/ping (arvados/v1/nodes#ping)")
[api.arvados.sanger] [7e46d89c0ad05c5d88ba7940e762623b] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [8712bff8b83f968c8dc31440402cf751] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [7e46d89c0ad05c5d88ba7940e762623b] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-salq59632vhxov6/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":42.16,"view":0.19,"db":35.77,"params":{"ping_secret":"297ksswrlqaq19pob6e0
zndgs4bxs4qn162o01dizzgtolaezg","total_cpu_cores":"32","total_ram_mb":"257867","total_scratch_mb":
"788561"},"@timestamp":"2017-04-26T16:20:01.779337567Z","@version":"1","message":"[200] POST /arva
dos/v1/nodes/z8ta6-7ekkf-salq59632vhxov6/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [8712bff8b83f968c8dc31440402cf751] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-dw0j4kqtb9b4xo/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":32.29,"view":0.32,"db":23.97,"params":{"ping_secret":"1n05zp5gwfq0gnqsu402
wp7bgat18uf4eah03fha2zwmlw7rim","total_cpu_cores":"40","total_ram_mb":"193289","total_scratch_mb":
"68302106"},"@timestamp":"2017-04-26T16:20:01.787208505Z","@version":"1","message":"[200] POST /ar
vados/v1/nodes/z8ta6-7ekkf-dw0j4kqtb9b4xo/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [7d29dcc297ced54d0c61c42e82458e3] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [13ec00268615750a7f65d5e7f4a70fb2] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [501b353e3ddf4af7fcd74bed3f6b0e31] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [7d29dcc297ced54d0c61c42e82458e3] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-5qd5cdeiza4v6lv/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":27.23,"view":0.19,"db":19.72,"params":{"ping_secret":"692ib9180dem8lz89rwt
roi0pawae8xg7klg63i9hz7ciiyqup","total_cpu_cores":"32","total_ram_mb":"257867","total_scratch_mb":
"788561"},"@timestamp":"2017-04-26T16:20:01.906796904Z","@version":"1","message":"[200] POST /arva
dos/v1/nodes/z8ta6-7ekkf-5qd5cdeiza4v6lv/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [13ec00268615750a7f65d5e7f4a70fb2] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-ekzlxvozt92sqm/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":18.52,"view":0.18,"db":10.75,"params":{"ping_secret":"5tapdd6uj8509a5whjt4
kshfaljfrnolbyd637nwwdj7nge88v","total_cpu_cores":"40","total_ram_mb":"193289","total_scratch_mb":
"68302106"},"@timestamp":"2017-04-26T16:20:01.913920642Z","@version":"1","message":"[200] POST /ar
vados/v1/nodes/z8ta6-7ekkf-ekzlxvozt92sqm/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [501b353e3ddf4af7fcd74bed3f6b0e31] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-avqsjfg0naek3sw/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":18.64,"view":0.2,"db":11.62,"params":{"ping_secret":"4zjbrw6xmfbltrm8k8ds3
rzlbi4ezpze5n16ce2d7b7sldp129","total_cpu_cores":"40","total_ram_mb":"193289","total_scratch_mb":
"68302106"},"@timestamp":"2017-04-26T16:20:01.919691085Z","@version":"1","message":"[200] POST /arv
ados/v1/nodes/z8ta6-7ekkf-avqsjfg0naek3sw/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [2cf25afe29ad2dc2ac700684ea62c945] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [ca3edblbb2485530d6d1444d3e0bf159] WARNING: Can't verify CSRF token authentic
ity
[api.arvados.sanger] [ca3edblbb2485530d6d1444d3e0bf159] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-y79anz2iox0q6j4/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":9.1,"view":0.14,"db":2.63,"params":{"ping_secret":"1m9lossetcrtlv2xotm8vsg
iulbcw23e110w4rd2x6xk0j44g4","total_cpu_cores":"32","total_ram_mb":"257867","total_scratch_mb":
"788561"},"@timestamp":"2017-04-26T16:20:01.956467904Z","@version":"1","message":"[200] POST /arvados
/v1/nodes/z8ta6-7ekkf-y79anz2iox0q6j4/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [2cf25afe29ad2dc2ac700684ea62c945] {"method":"POST","path":"/arvados/v1/nodes
/z8ta6-7ekkf-5co41k3w77aokje/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping",
"status":200,"duration":37.03,"view":0.18,"db":30.16,"params":{"ping_secret":"453pd282knhm8nwohneh
fhfr09ii9qkn9lp9ux0flxorrrzjrbr","total_cpu_cores":"32","total_ram_mb":"257851","total_scratch_mb":
"788561"},"@timestamp":"2017-04-26T16:20:01.963226617Z","@version":"1","message":"[200] POST /arva
dos/v1/nodes/z8ta6-7ekkf-5co41k3w77aokje/ping (arvados/v1/nodes#ping)"}
[api.arvados.sanger] [0c156af9119c69c874fac46323279b4d] {"method":"GET","path":"/arvados/v1/pipeli
ne_instances/z8ta6-dlhrv-2cpfk20huot3k1q","format":"*/*","controller":"arvados/v1/pipeline_instanc
es","action":"show","status":200,"duration":4.09,"view":0.26,"db":0.46,"params":{},"@timestamp":"2
017-04-26T16:20:02.013478799Z","@version":"1","message":"[200] GET /arvados/v1/pipeline_instances/
z8ta6-dlhrv-2cpfk20huot3k1q (arvados/v1/pipeline_instances#show)"}
[api.arvados.sanger] [f009d2d278c6b3cf0b7214d77dlbc3dc] {"method":"GET","path":"/arvados/v1/jobs/z
8ta6-8i9sb-xhzo537firn6415","format":"*/*","controller":"arvados/v1/jobs","action":"show","status"
:200,"duration":6.36,"view":0.32,"db":1.03,"params":{},"@timestamp":"2017-04-26T16:20:02.040101902
Z","@version":"1","message":"[200] GET /arvados/v1/jobs/z8ta6-8i9sb-xhzo537firn6415 (arvados/v1/jo
bs#show)"}

```

```
[api.arvados.sanger] [f8ad0e353c1d8f9219ebaa8101634253] WARNING: Can't verify CSRF token authenticity
```

postgresql-9.3-main.log:

```
2017-04-26 17:10:01 BST [8911]: [3-1] user=arvados,db=arvados_production,app=Passenger RubyApp: /var/www/arvados-api/current/public,client=:::1 LOG: disconnection: session time: 0:15:00.003 user=arvados database=arvados_production host=:::1 port=19166
2017-04-26 17:10:08 BST [11941]: [149-1] user=,db=,app=,client= LOG: checkpoint starting: time
2017-04-26 17:10:15 BST [11941]: [150-1] user=,db=,app=,client= LOG: checkpoint complete: wrote 65 buffers (0.4%); 0 transaction log file(s) added, 0 removed, 0 recycled; write=6.412 s, sync=0.004 s, total=6.418 s; sync files=113, longest=0.000 s, average=0.000 s
2017-04-26 17:11:07 BST [21848]: [1-1] user=,db=,app=,client= LOG: automatic vacuum of table "arvados_production.public.nodes": index scans: 1
    pages: 0 removed, 79 remain
    tuples: 79 removed, 43 remain
    buffer usage: 2274 hits, 2417 misses, 192 dirtied
    avg read rate: 3.160 MB/s, avg write rate: 0.251 MB/s
    system usage: CPU 0.00s/0.01u sec elapsed 5.97 sec
2017-04-26 17:11:07 BST [21848]: [2-1] user=,db=,app=,client= LOG: automatic analyze of table "arvados_production.public.nodes" system usage: CPU 0.00s/0.00u sec elapsed 0.23 sec
2017-04-26 17:15:08 BST [11941]: [151-1] user=,db=,app=,client= LOG: checkpoint starting: time
2017-04-26 17:15:14 BST [25064]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:::1 LOG: connection received: host=:::1 port=26036
2017-04-26 17:15:14 BST [25064]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:::1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-26 17:15:15 BST [25064]: [3-1] user=arvados,db=arvados_production,app=/usr/share/passenger/helper-scripts/rack-preloader.rb,client=:::1 LOG: disconnection: session time: 0:00:01.212 user=arvados database=arvados_production host=:::1 port=26036
```

Around this time I also had workbench open, and workbench gave a fiddlesticks error:

Oh... fiddlesticks.

An error occurred when Workbench sent a request to the Arvados API server. Try reloading this page. If the problem is temporary, your request might go through next time. If that doesn't work, the information below can help system administrators track down the problem.

API request URL

<https://api.arvados.sanger.ac.uk/arvados/v1/collections>

API response

```
{
  "errors": [
    "#<ActiveRecord::StatementInvalid: PG::ConnectionBad: PQconsumeInput() SSL SYSCALL error: EOF detected\n: SELECT COUNT(DISTINCT \"collections\".\"id\") FROM \"collections\" WHERE (is_trashed = false)>"
  ],
  "error_token": "1493208347+cc93d884"
}
```

Report problem or email us if you suspect this is a bug.

Related issues:

Related to Arvados - Story #14004: [Controller] Keep database in tune

New

History

#1 - 04/28/2017 02:59 PM - Joshua Randall

This just happened again, and I went pretty soon after to look at the logs.

pg_stat_activity did have an autovacuum in progress that started around the time the troubles started:

```
16414 | arvados_production | 55772 |          10 | postgres |
      |                   |      |           |          | 2017-04-28 15:38:50.678031+01 | 2017-04-28 15:38:50.698925+01 | 2017-04-28 15:38:50.698926+01 | f | active | autovacuum: VACUUM p
```

ublic.logs (to prevent wraparound)

Approximately 71s after the vacuum started, production.log had an error entry:

```
[api.arvados.sanger] [4dff29f700f9c0a7648716507868f5] WARNING: Can't verify CSRF token authenticity
[api.arvados.sanger] [4dff29f700f9c0a7648716507868f5] #<ActiveRecord::StatementInvalid: PG::ConnectionBad: P
Qsocket() can't get socket descriptor: SELECT "nodes".* FROM "nodes" WHERE "nodes"."uuid" = '
z8ta6-7ekkf-gj3sзу33y2eg4ca' LIMIT 1>
[api.arvados.sanger] [4dff29f700f9c0a7648716507868f5] /var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/g
ems/activerecord-3.2.22.5/lib/active_record/connection_adapters/postgresql_adapter.rb:1163:in `async_exec'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:1163:in `exec_no_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:660:in `block in exec_query'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract_adapter.rb:280:in `block in log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/notificati
ons/instrumenter.rb:20:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract_adapter.rb:275:in `log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:659:in `exec_query'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:1262:in `select'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/database_statements.rb:18:in `select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:61:in `block in select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:75:in `cache_sql'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:61:in `select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/querying.rb:
38:in `block in find_by_sql'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/explain.rb:4
1:in `logging_query_plan'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/querying.rb:
37:in `find_by_sql'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation.rb:
171:in `exec_queries'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation.rb:
160:in `block in to_a'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/explain.rb:4
1:in `logging_query_plan'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation.rb:
159:in `to_a'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/fin
der_methods.rb:381:in `find_first'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/fin
der_methods.rb:122:in `first'
/var/www/arvados-api/current/app/controllers/arvados/v1/nodes_controller.rb:21:in `block in ping'
/var/www/arvados-api/current/lib/current_api_client.rb:125:in `block in act_as_system_user'
/var/www/arvados-api/current/lib/current_api_client.rb:141:in `act_as_user'
/var/www/arvados-api/current/lib/current_api_client.rb:124:in `act_as_system_user'
/var/www/arvados-api/current/app/controllers/arvados/v1/nodes_controller.rb:20:in `ping'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/impl
icit_render.rb:4:in `send_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/base.rb:
167:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/rend
ering.rb:10:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/callback
s.rb:18:in `block in process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:535:in `_run__3204673019480545627__process_action__2456585744717701019__callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:405:in `__run_callback'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:385:in `_run_process_action_callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:81:in `run_callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/callback
s.rb:17:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/resc
```

```
ue.rb:29:in `process_action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/instrumentation.rb:30:in `block in process_action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/instrumentation.rb:123:in `block in instrument'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/instrumentation/instrumenter.rb:20:in `instrument'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/instrumentation.rb:123:in `instrument'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/instrumentation.rb:29:in `process_action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/params_wrapper.rb:207:in `process_action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/railties/controller_runtime.rb:18:in `process_action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/base.rb:121:in `process'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/rendering.rb:46:in `process'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal.rb:203:in `dispatch'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/rack_delegation.rb:14:in `dispatch'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal.rb:246:in `block in action'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:73:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:73:in `dispatch'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:36:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:608:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/strategy.rb:186:in `call !'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/strategy.rb:164:in `call '  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/builder.rb:63:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/best_standards_support.rb:17:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/etag.rb:23:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/conditionalget.rb:35:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/head.rb:14:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/params_parser.rb:21:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/flash.rb:242:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:210:in `context'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:205:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/cookies.rb:341:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/query_cache.rb:64:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_adapters/abstract/connection_pool.rb:479:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/callbacks.rb:28:in `block in call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/callbacks.rb:405:in `_run__4446880960546779490__call__3597274187383579083__callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/callbacks.rb:405:in `__run_callback'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/callbacks.rb:385:in `_run_call_callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/callbacks.rb:81:in `run_callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/callbacks.rb:27:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/d
```

```

ebug_exceptions.rb:16:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/s
how_exceptions.rb:56:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/lograge-0.3.6/lib/lograge/rails_ext/rack/logger.rb:1
5:in `call_app'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/rack/logger.rb:16:in `bl
ock in call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/tagged_log
ging.rb:22:in `tagged'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/rack/logger.rb:16:in `ca
ll'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/r
equest_id.rb:22:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/methodoverride.rb:21:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/runtime.rb:17:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/cache/stra
tegy/local_cache.rb:72:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/lock.rb:15:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:140:in `f
orward'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:147:in `p
ass'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:159:in `i
nvalidate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:74:in `ca
ll!'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:51:in `ca
ll'
/var/www/arvados-api/current/app/middlewares/arvados_api_token.rb:59:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/r
emote_ip.rb:31:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/engine.rb:484:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/application.rb:231:in `c
all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/railtie/configurable.rb:
30:in `method_missing'
/usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:97:in `process_request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:160:in `accept_and_process_next_
request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:113:in `main_loop'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:416:in `block (3 levels) in start_threads'
/usr/lib/ruby/vendor_ruby/phusion_passenger/Utils.rb:113:in `block in create_thread_and_abort_on_exception'

```

```

[api.arvados.sanger] [4dff29f700f9c0a7648716507868f5] Error 1493390401+965725d4: 422
[api.arvados.sanger] [4dff29f700f9c0a7648716507868f5] {"method":"POST","path":"/arvados/v1/nodes/z8ta6-7ekkf
-gj3s3zu33y2eg4ca/ping","format":"*/*","controller":"arvados/v1/nodes","action":"ping","status":422,"duration":
5.26,"view":0.83,"db":0.53,"params":{"ping_secret":"19acih9yt5owqkku6afjg8v5166jnrvy717076afgzlpy5xc20","total
_cpu_cores":"40","total_ram_mb":"193289","total_scratch_mb":"68302106"},"@timestamp":"2017-04-28T14:40:01.2698
55845Z","@version":"1","message":["422] POST /arvados/v1/nodes/z8ta6-7ekkf-gj3s3zu33y2eg4ca/ping (arvados/v1/no
des#ping)"}

```

another error followed soon after:

```

[api.arvados.sanger] [ac397f6b889ad0e1e5fdf3a8d78fc1b9] #<ActiveRecord::StatementInvalid: PG::ConnectionBad: P
QconsumeInput() server closed the connection unexpectedly
This probably means the server terminated abnormally
before or while processing the request.
: SELECT COUNT(DISTINCT "collections"."id") FROM "collections" WHERE "collections"."owner_uuid" = '
z8ta6-tpzed-s6urztfw1f2twvc' AND (is_trashed = false)>
[api.arvados.sanger] [ac397f6b889ad0e1e5fdf3a8d78fc1b9] /var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/g
ems/activerecord-3.2.22.5/lib/active_record/connection_adapters/postgresql_adapter.rb:1163:in `async_exec'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:1163:in `exec_no_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:660:in `block in exec_query'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract_adapter.rb:280:in `block in log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/notifications/instrumenter.rb:20:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract_adapter.rb:275:in `log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/postgresql_adapter.rb:659:in `exec_query'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a

```

```
dapters/postgresql_adapter.rb:1262:in `select'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/database_statements.rb:18:in `select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:61:in `block in select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:75:in `cache_sql'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/query_cache.rb:61:in `select_all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/database_statements.rb:24:in `select_one'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_a
dapters/abstract/database_statements.rb:30:in `select_value'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/cal
culations.rb:250:in `execute_simple_calculation'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/cal
culations.rb:215:in `perform_calculation'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/cal
culations.rb:159:in `calculate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/cal
culations.rb:162:in `calculate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/relation/cal
culations.rb:58:in `count'
/var/www/arvados-api/current/app/controllers/application_controller.rb:476:in `object_list'
/var/www/arvados-api/current/app/controllers/arvados/v1/groups_controller.rb:143:in `block in load_searchable_
objects'
/var/www/arvados-api/current/app/controllers/arvados/v1/groups_controller.rb:95:in `each'
/var/www/arvados-api/current/app/controllers/arvados/v1/groups_controller.rb:95:in `load_searchable_objects'
/var/www/arvados-api/current/app/controllers/arvados/v1/groups_controller.rb:35:in `contents'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/impl
icit_render.rb:4:in `send_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/base.rb:
167:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/rend
ering.rb:10:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/callback
s.rb:18:in `block in process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:601:in `_run__1318258362607091153__process_action__3485520397916161765__callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:405:in `__run_callback'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:385:in `_run_process_action_callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.
rb:81:in `run_callbacks'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/callback
s.rb:17:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/resc
ue.rb:29:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/inst
rumentation.rb:30:in `block in process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/notificati
ons.rb:123:in `block in instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/notificati
ons/instrumenter.rb:20:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/notificati
ons.rb:123:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/inst
rumentation.rb:29:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/para
ms_wrapper.rb:207:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/railties/con
troller_runtime.rb:18:in `process_action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/base.rb:
121:in `process'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/abstract_controller/renderin
g.rb:46:in `process'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal.rb:2
03:in `dispatch'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal/rack
_delegation.rb:14:in `dispatch'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_controller/metal.rb:2
46:in `block in action'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/rout
e_set.rb:73:in `call'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:73:in `dispatch'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:36:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/routing/route_set.rb:608:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/strategy.rb:186:in `call !'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/strategy.rb:164:in `call '  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/omniauth-1.3.1/lib/omniauth/builder.rb:63:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/basic_auth.rb:17:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/etag.rb:23:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/conditionalget.rb:25:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/head.rb:14:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/params_parser.rb:21:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/flash.rb:242:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:210:in `context'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:205:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/cookies.rb:341:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/query_cache.rb:64:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activerecord-3.2.22.5/lib/active_record/connection_adapters/abstract/connection_pool.rb:479:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/call_callbacks.rb:28:in `block in call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.rb:405:in `_run__1837856766289175462__call__1857036167222924939__callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.rb:405:in `_run_callback'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.rb:385:in `_run_call_callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/callbacks.rb:81:in `run_callbacks'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/call_callbacks.rb:27:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/debug_exceptions.rb:16:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/show_exceptions.rb:56:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/lograge-0.3.6/lib/lograge/rails_ext/rack/logger.rb:15:in `call_app'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/rack/logger.rb:16:in `block in call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/tagged_logging.rb:22:in `tagged'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/rack/logger.rb:16:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/request_id.rb:22:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/methodoverride.rb:21:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/runtime.rb:17:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/activesupport-3.2.22.5/lib/active_support/cache/strategy/local_cache.rb:72:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-1.4.7/lib/rack/lock.rb:15:in `call'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:140:in `forward'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:249:in `fetch'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:189:in `lookup'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:66:in `call !'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/rack-cache-1.6.1/lib/rack/cache/context.rb:51:in `ca
```

```

ll'
/var/www/arvados-api/current/app/middlewares/arvados_api_token.rb:59:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/actionpack-3.2.22.5/lib/action_dispatch/middleware/r
emote_ip.rb:31:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/engine.rb:484:in `call'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/application.rb:231:in `c
all'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.1.0/gems/railties-3.2.22.5/lib/rails/railtie/configurable.rb:
30:in `method_missing'
/usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:97:in `process_request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:152:in `accept_and_process_next_
request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:113:in `main_loop'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:416:in `block (3 levels) in start_threads'
/usr/lib/ruby/vendor_ruby/phusion_passenger/utils.rb:113:in `block in create_thread_and_abort_on_exception'

[api.arvados.sanger] [ac397f6b889ad0e1e5fdf3a8d78fclb9] Error 1493390431+accc8caf: 422
[api.arvados.sanger] [ac397f6b889ad0e1e5fdf3a8d78fclb9] {"method":"GET","path":"/arvados/v1/groups/contents","
format":"json","controller":"arvados/v1/groups","action":"contents","status":422,"duration":198183.61,"view":0
.32,"db":34474.25,"params":{"alt":"json","limit":"9223372036854775807","uuid":"z8ta6-tpzed-s6urztfw1f2twvc
","offset":"400000"},"@timestamp":"2017-04-28T14:40:31.922692782Z","@version":"1","message":"[422] GET /arvado
s/v1/groups/contents (arvados/v1/groups#contents)"}

```

#2 - 04/28/2017 03:05 PM - Joshua Randall

postgresql-9-3-main.log during the same time period:

```

2017-04-28 15:49:36 BST [54606]: [45-1] user=,db=,app=,client= LOG: checkpoints are occurring too frequently
(22 seconds apart)
2017-04-28 15:49:36 BST [54606]: [46-1] user=,db=,app=,client= HINT: Consider increasing the configuration pa
rameter "checkpoint_segments".
2017-04-28 15:49:36 BST [54606]: [47-1] user=,db=,app=,client= LOG: checkpoint starting: xlog
2017-04-28 15:49:36 BST [6494]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=33950
2017-04-28 15:49:36 BST [6494]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:36 BST [6502]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=33951
2017-04-28 15:49:36 BST [6502]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:37 BST [6514]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=33958
2017-04-28 15:49:37 BST [6514]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:39 BST [6573]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34010
2017-04-28 15:49:39 BST [6573]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:39 BST [6574]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34011
2017-04-28 15:49:39 BST [6574]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:41 BST [6633]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34073
2017-04-28 15:49:41 BST [6633]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:43 BST [6674]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34103
2017-04-28 15:49:43 BST [6674]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:44 BST [6709]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34146
2017-04-28 15:49:44 BST [6709]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:45 BST [6731]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34156
2017-04-28 15:49:45 BST [6731]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec
tion authorized: user=arvados database=arvados_production
2017-04-28 15:49:45 BST [54606]: [48-1] user=,db=,app=,client= LOG: checkpoint complete: wrote 2478 buffers (
15.1%); 0 transaction log file(s) added, 0 removed, 3 recycled; write=8.960 s, sync=0.045 s, total=9.017 s; sy
nc files=151, longest=0.005 s, average=0.000 s
2017-04-28 15:49:46 BST [6769]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection re
ceived: host=:1 port=34188
2017-04-28 15:49:46 BST [6769]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connec

```



```

2017-04-28 15:49:55 BST [7212]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:49:55 BST [7226]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=34542
2017-04-28 15:49:55 BST [7226]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:49:56 BST [54606]: [49-1] user=,db=,app=,client= LOG: checkpoints are occurring too frequently (20 seconds apart)
2017-04-28 15:49:56 BST [54606]: [50-1] user=,db=,app=,client= HINT: Consider increasing the configuration parameter "checkpoint_segments".
2017-04-28 15:49:56 BST [54606]: [51-1] user=,db=,app=,client= LOG: checkpoint starting: xlog
2017-04-28 15:49:59 BST [54606]: [52-1] user=,db=,app=,client= LOG: checkpoint complete: wrote 3481 buffers (21.2%); 0 transaction log file(s) added, 0 removed, 3 recycled; write=2.031 s, sync=0.075 s, total=2.118 s; sync files=151, longest=0.036 s, average=0.000 s
2017-04-28 15:49:59 BST [7438]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=34782
2017-04-28 15:49:59 BST [7438]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:49:59 BST [7447]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=34785
2017-04-28 15:49:59 BST [7447]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:49:59 BST [7456]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=34787
2017-04-28 15:49:59 BST [7456]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:49:59 BST [7470]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=34794
2017-04-28 15:49:59 BST [7470]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:50:15 BST [54606]: [53-1] user=,db=,app=,client= LOG: checkpoints are occurring too frequently (19 seconds apart)
2017-04-28 15:50:15 BST [54606]: [54-1] user=,db=,app=,client= HINT: Consider increasing the configuration parameter "checkpoint_segments".
2017-04-28 15:50:15 BST [54606]: [55-1] user=,db=,app=,client= LOG: checkpoint starting: xlog
2017-04-28 15:50:31 BST [54606]: [56-1] user=,db=,app=,client= LOG: checkpoint complete: wrote 4983 buffers (30.4%); 0 transaction log file(s) added, 0 removed, 3 recycled; write=16.370 s, sync=0.060 s, total=16.431 s; sync files=157, longest=0.023 s, average=0.000 s
2017-04-28 15:50:31 BST [7997]: [1-1] user=[unknown],db=[unknown],app=[unknown],client=:1 LOG: connection received: host=:1 port=35157
2017-04-28 15:50:31 BST [7997]: [2-1] user=arvados,db=arvados_production,app=[unknown],client=:1 LOG: connection authorized: user=arvados database=arvados_production
2017-04-28 15:50:42 BST [54606]: [57-1] user=,db=,app=,client= LOG: checkpoints are occurring too frequently (27 seconds apart)
2017-04-28 15:50:42 BST [54606]: [58-1] user=,db=,app=,client= HINT: Consider increasing the configuration parameter "checkpoint_segments".
2017-04-28 15:50:42 BST [54606]: [59-1] user=,db=,app=,client= LOG: checkpoint starting: xlog
2017-04-28 15:50:50 BST [54606]: [60-1] user=,db=,app=,client= LOG: checkpoint complete: wrote 2724 buffers (16.6%); 0 transaction log file(s) added, 0 removed, 3 recycled; write=8.142 s, sync=0.058 s, total=8.212 s; sync files=173, longest=0.002 s, average=0.000 s

```

#3 - 04/28/2017 03:11 PM - Joshua Randall

as suggested by the postgres logs, am now raising the checkpoint settings:

was the default:

```

#checkpoint_segments = 3           # in logfile segments, min 1, 16MB each
#checkpoint_completion_target = 0.5 # checkpoint target duration, 0.0 - 1.0

```

now:

```

checkpoint_segments = 256
checkpoint_completion_target = 0.9

```

#4 - 08/28/2017 10:01 PM - Tom Morris

- Target version set to Arvados Future Sprints

#5 - 08/14/2018 01:51 PM - Tom Clegg

- Related to Story #14004: [Controller] Keep database in tune added

#6 - 07/06/2021 09:22 PM - Peter Amstutz

- Target version deleted (Arvados Future Sprints)