Arvados - Bug #16134

[controller] handle unreachable federation peer better

02/06/2020 03:03 PM - Ward Vandewege

Status:	Resolved	**Start date:**	
Priority:	Normal	**Due date:**	
Assigned To:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:	2020-02-12 Sprint		

Description

When an arvados cluster is configured with an unreachable federation peer, things go south real fast, and arvados-controller quickly consumes all the file descriptors it can get:


```
Feb 05 22:00:45 9tee4.arvadosapi.com arvados-controller[22394]: {"PID":22394,"RequestID":"req-tuyn
vloji3hz9h42b16w","level":"info","msg":"response","remoteAddr":"127.0.0.1:33622","reqBytes":0,"req
ForwardedFor":"10.100.32.5","reqHost":"9tee4.arvadosapi.com","reqMethod":"GET","reqPath":"arvados/
v1/collections/9f26a86b6030a69ad222cf67d71c9502+65","reqQuery":"","respBody":"{\"errors\":[\"error
s: [Get https://4xphq.arvadosapi.com/arvados/v1/collections/9f26a86b6030a69ad222cf67d71c9502+65: d
ial tcp 54.209.184.185:443: i/o timeout request failed: https://9tee4.arvadosapi.com/arvados/v1/co
llections/9f26a86b6030a69ad222cf67d71c9502+65: 502 Bad Gateway: errors: [request failed: https://c
97qk.arvadosapi.com/arvados/v1/collections/9f26a86b6030a69ad222cf67d71c9502+65: 502 Bad Gateway: e
rrors: [Get https://c97qk.arvadosapi.com/arvados/v1/collections/9f26a86b6030a69ad222cf67d71c9502+6
5: dial tcp 10.25.0.6:443: socket: too many open files Get https://4xphq.arvadosapi.com/arvados/v1
/collections/9f26a86b6030a69ad222cf67d71c9502+65: dial tcp: lookup 4xphq.arvadosapi.com on 127.0.0
.1:53: dial udp 127.0.0.1:53: socket: too many open files Get https://9tee4.arvadosapi.com/arvados
/v1/collections/9f26a86b6030a69ad222cf67d71c9502+65: dial tcp: lookup 9tee4.arvadosapi.com on 127.
0.0.1:53: dial udp 127.0.0.1:53: socket: too many open files] Get https://4xphq.arvadosapi.com/arv
ados/v1/collections/9f26a86","respBytes":4853,"respStatus":"Bad Gateway","respStatusCode":502,"tim
e":"2020-02-05T22:00:45.131869763Z","timeToStatus":54.670812,"timeTotal":54.670929,"timeWriteBody"
:0.000117}
```


Related issues:

Related to Arvados - Bug #16133: [controller] add loop prevention to federati...	**Resolved**	**02/06/2020**

History

#1 - 02/06/2020 03:05 PM - Ward Vandewege

- Description updated

#2 - 02/06/2020 07:27 PM - Ward Vandewege

- Related to Bug #16133: [controller] add loop prevention to federation lookups in new code path added

#3 - 02/06/2020 08:02 PM - Tom Clegg

Suspect the file descriptor issue was really caused by #16133 and the problem here is just that a slow peer causes all requests *that need an answer from all remotes* (like getting a collection by PDH that no other peer has) to be slow.

#4 - 02/07/2020 04:27 PM - Peter Amstutz

- Status changed from New to Resolved

Confirmed side effect that went away when #16133 was fixed.

#5 - 02/07/2020 04:27 PM - Peter Amstutz

- Release set to 22