GDP - Bug #28

gdplogd losing connection to the router. signature write failure: Success

07/28/2016 05:07 PM - Nitesh Mor

Status:	Closed	**Start date:**	07/28/2016
Priority:	Normal	**Due date:**	08/15/2016
Assignee:	Eric Allman	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			

Description

The relevant error message in the logs (running at *=20)

```
*** Processing command 70=CMD_READ from socket 10
_gdp_req_dispatch >>> CMD_READ (70) [gcl->refcnt 1]
disk_read(1): EOF
_gdp_req_dispatch <<< CMD_READ
    ERROR: 404 not found [Berkeley:Swarm-GDP:404]
_gdp_pdu_out, fd = 10, basemd = (nil): NAK_C_NOTFOUND
_gdp_pdu_out: signature write failure: Success
_gdp_event_cb: got EOF, 0 bytes left
Re-using channel @ 0x1428290
    process = 0x411287
    advertise = 0x40613b
Trying Zeroconf:
```

Followed by this, the log-server just starts looking for zeroconf. I am not sure if the 'signature write failure: Success' message is related to the lost connection, or if it is a separate issue. See attached log for one full run of gdplogd.

Related issues:

Related to GDP - Bug #9: Router terminating connections abruptly	**Closed**	07/02/2016
Related to GDP - Bug #30: Zeroconf lookup hangs on reconnect attempt	**Closed**	08/02/2016

History

#1 - 07/29/2016 06:05 PM - Eric Allman

Just a hunch, but I wonder if this might be related to Issue #9 (Router terminating connections abruptly). I say this because the EOF indicates that the connection was closed. If so, this may be a way to trigger that bug, but not be a bug itself.

#2 - 07/29/2016 06:06 PM - Eric Allman

- Related to Bug #9: Router terminating connections abruptly added

#3 - 08/02/2016 11:51 AM - Eric Allman

The Zeroconf part of this is resolved (see issue #30). The signature write failure part is still open.

#4 - 08/02/2016 11:53 AM - Eric Allman

- Related to Bug #30: Zeroconf lookup hangs on reconnect attempt added

#5 - 08/02/2016 03:47 PM - Nitesh Mor

Here's how to reproduce this:

1. Start gdplogd.
2. Use the visualization tool at http://gdp.cs.berkeley.edu:8888/ and go to *Chair 1*,
3. Hit 'Plot'.
4. Look at the system log of gdplogd. It should be something like:

```
get_open_handle: opening OSbcXbklH_LEH2qqdo_PiiohaEAKJlf6fx6MQBuO934
_gdp_pdu_out: signature write failure: Success
_gdp_event_cb: got EOF, 0 bytes left
Trying Zeroconf:
```

The log OSbcXbklH_LEH2qqdo_PiiohaEAKJlf6fx6MQBuO934 maps to edu.berkeley.eecs.swarmlab.device.c098e530002b, which exists but is empty.

#6 - 08/02/2016 07:14 PM - Eric Allman

- Duplicated by Bug #32: Router not allowing gdplogd to connect added

#7 - 08/02/2016 08:02 PM - Eric Allman

- Duplicated by deleted (Bug #32: Router not allowing gdplogd to connect)

#8 - 08/09/2016 03:43 PM - Nitesh Mor

- Due date set to 08/15/2016

- Status changed from New to In Progress

#9 - 09/07/2016 11:05 AM - Nitesh Mor

- Status changed from In Progress to Closed

Files

gdplogd.log	19.3 KB	07/29/2016	Nitesh Mor