

GDP - Bug #41

gdp-writer segfaults under Mac OS X

08/14/2016 09:34 AM - Anonymous

Status:	Closed	Start date:	08/14/2016
Priority:	Normal	Due date:	
Assignee:	Eric Allman	% Done:	0%
Category:	libgdp	Estimated time:	0.00 hour
Target version:			
Description			
Under Mac OS X, gdp-writer segfaults			
<pre>bash-3.2\$ echo "foo" /Users/cxh/ptII/vendors/gdp/gdp/apps/gdp-writer -G edu.berkeley.eecs.gdp-01 .gdplogd cxh.GDPLogCreateJS Segmentation fault: 11 bash-3.2\$</pre>			
Below is a stack trace			
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<pre>bash-3.2\$ gdb /Users/cxh/ptII/vendors/gdp/gdp/apps/gdp-writer GNU gdb (GDB) 7.11.1 Copyright (C) 2016 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a> This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law. Type "show copying" and "show warranty" for details. This GDB was configured as "x86_64-apple-darwin15.5.0". Type "show configuration" for configuration details. For bug reporting instructions, please see: <a href="http://www.gnu.org/software/gdb/bugs/">http://www.gnu.org/software/gdb/bugs/</a>. Find the GDB manual and other documentation resources online at: <a href="http://www.gnu.org/software/gdb/documentation/">http://www.gnu.org/software/gdb/documentation/</a>. For help, type "help". Type "apropos word" to search for commands related to "word"... Reading symbols from /Users/cxh/ptII/vendors/gdp/gdp/apps/gdp-writer...done. (gdb) r -G edu.berkeley.eecs.gdp-01.gdplogd cxh.GDPLogCreateJS Starting program: /Users/cxh/ptII/vendors/gdp/gdp/apps/gdp-writer -G edu.berkeley.eecs.gdp-01.gdplogd cxh.GDPLogCreateJS  Program received signal SIGSEGV, Segmentation fault. 0x0000000100002157 in gdp_init (router_addr=) at gdp_api.c:256 256      GdpChannel-&gt;advertise = &amp;_gdp_advertise_me; (gdb) where #0  0x0000000100002157 in gdp_init (router_addr=) at gdp_api.c:256 #1  0x00000001000019d2 in main (argc=, argv=0x10001df20 &lt;_GdpLibInitialized&gt;) at gdp-writer.c:245 (gdb) print _GdpChannel \$1 = 0 (gdb) list 251 252     // initialize connection 253     _GdpChannel = NULL; 254     estat = _gdpchan_open(router_addr, &amp;gdp_pdu_process, &amp;GdpChannel); 255     EP_STAT_CHECK(estat, goto fail0); 256     _GdpChannel-&gt;advertise = &amp;gdp_advertise_me; 257 258     // start the event loop 259     estat = _gdpevloop_init(); 260     EP_STAT_CHECK(estat, goto fail0);</pre>			

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(gdb)
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Under RHEL on campus, it does not segfault
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[cxh@terra ~]$ echo "foo" | $PTII/vendors/gdp/gdp/apps/gdp-writer -G edu.berkeley.eecs.gdp-01.gdplogd cxh.GDPLogCreateJS
[ERROR] gdp-writer: GDP Initialization failed
(No such file or directory)
gdp-writer: exiting with status ERROR: No such file or directory [EPLIB:errno:2]
[cxh@terra ~]$
~~~
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## History

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### #1 - 08/19/2016 08:31 AM - Eric Allman

- *Category set to libgdp*
- *Status changed from New to Resolved*
- *Assignee set to Eric Allman*

Resulted from failure to propagate an error if the DNS lookup failed when opening a GDP channel. Fixed in commit:f05b7086e.

### #2 - 08/19/2016 08:54 AM - Anonymous

Thanks! I can no longer reproduce the bug.

### #3 - 09/07/2016 11:04 AM - Nitesh Mor

- *Status changed from Resolved to Closed*