

Kepler - Bug #5322

dcd_mgr crashes often

02/23/2011 12:47 PM - Derik Barseghian

Status:	Resolved	Start date:	02/23/2011
Priority:	Normal	Due date:	
Assignee:	Derik Barseghian	% Done:	0%
Category:	sensor-view	Estimated time:	0.00 hour
Target version:	sensor-view-0.9.0	Spent time:	0.00 hour
Bugzilla-Id:	5322		
Description			
The SPAN dcd_mgr goes zombie fairly often and must be restart. We've seen it stay up for ~30days, but recently as I've been testing things it's happened many times, so I hope to narrow down the cause soon...			

History

#1 - 03/02/2011 12:07 PM - Derik Barseghian

I've only started paying attention to the message when dcd_mgr dies, but so far 2/2 times it dies with:
pthread_create: Resource temporarily unavailable

For the last crash, my dcd_mgr log has 250 messages like:

```
connection thread 1
connection thread 2
connection thread 2
etc. The thread number is always one of 0,1,2.
```

This is just speculation, but my guess is threads are not being reused, there are 250, and that is too many.

Some gumstix system info follows:

```
root@overo:/etc/init.d# lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description: Ubuntu 9.04
Release: 9.04
Codename: jaunty
```

```
root@overo:/etc/init.d# uname -a
Linux overo 2.6.32 #1 Thu Mar 4 03:52:51 PST 2010 armv7l GNU/Linux
```

```
root@overo:/etc/init.d# ulimit -a
core file size          (blocks, -c) 0
data seg size           (kbytes, -d) unlimited
scheduling priority     (-e) 20
file size                (blocks, -f) unlimited
pending signals         (-i) 16382
max locked memory       (kbytes, -l) 64
max memory size         (kbytes, -m) unlimited
open files               (-n) 1024
pipe size                (512 bytes, -p) 8
POSIX message queues    (bytes, -q) 819200
real-time priority      (-r) 0
stack size              (kbytes, -s) 8192
cpu time                 (seconds, -t) unlimited
max user processes      (-u) unlimited
virtual memory           (kbytes, -v) unlimited
file locks               (-x) unlimited
```

```
root@overo:/etc/init.d# sysctl -a | grep -i thread
kernel.threads-max = 3760
vm.nr_pdflush_threads = 0
```

```
root@overo:/etc/init.d# cat /proc/meminfo
MemTotal:    241596 kB
MemFree:     119324 kB
Buffers:     20596 kB
Cached:      30888 kB
```

SwapCached: 0 kB
Active: 76052 kB
Inactive: 32308 kB
Active(anon): 57084 kB
Inactive(anon): 0 kB
Active(file): 18968 kB
Inactive(file): 32308 kB
Unevictable: 0 kB
Mlocked: 0 kB
SwapTotal: 0 kB
SwapFree: 0 kB
Dirty: 8 kB
Writeback: 0 kB
AnonPages: 56904 kB
Mapped: 7932 kB
Shmem: 208 kB
Slab: 8160 kB
SReclaimable: 4328 kB
SUnreclaim: 3832 kB
KernelStack: 1304 kB
PageTables: 1840 kB
NFS_Unstable: 0 kB
Bounce: 0 kB
WritebackTmp: 0 kB
CommitLimit: 120796 kB
Committed_AS: 2452660 kB
VmallocTotal: 647168 kB
VmallocUsed: 2288 kB
VmallocChunk: 643580 kB

#2 - 03/08/2011 02:43 PM - Daniel Crawl

Fixed: need to join or detach all created threads.

#3 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5322