Open Source Software: Easy to contribute

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Linux Mobile hobbyist World of Tanks developer

March 30, 2013

How many of you opened at least one bug, which was fixed by upstream?

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- How many of you opened at least one bug, which was fixed by upstream?
- How many of you sent at least one patch, which was accepted by upstream?

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- How many of you opened at least one bug, which was fixed by upstream?
- How many of you sent at least one patch, which was accepted by upstream?

Others, why are you don't contribute?

Open Source waiting for you

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Open Source waiting for your

- mails
- documentation

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- bugs
- patches

It is easy and fun



Take your favorite software

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Take your favorite software: systemd-cgtop

Path	Tasks	%CPU
/	477	27.0
/system	1	26.5
/system/kdm@.service	-	25.2
/system/rabbitmq-server.service	44	0.7
/system/dbus.service	12	0.3
/system/NetworkManager.service	4	0.2
/system/mysqld.service	16	0.1
/system/avahi-daemon.service	2	0.0
/system/console-kit-daemon.service	65	-
/system/rtkit-daemon.service	3	-
/system/systemd-journald.service	1	-
/system/systemd-logind.service	1	-
/system/udev.service	3	-

Bug 49778 - systemd-cgtop depth=3 better default than depth=2

Maksim Melnikau 2012-05-11 00:26:26 UTC

Description [reply] [-]

I think systemd-cotop default should be changed to 3 by default. May be even more (depth=4) Depth=3 (and more) still fits 79 on my system. It will give more useful info by default, especially on multi user systems.

Lets compare (depth=2):

Path	Tasks	%CPU	Hemory	Input/s	0utput/s
1	88	193.8	5.16	0B	1002.7K
/system	1	175.5	32.7M		
/system/getty@.service	-	155.1	-	-	-
/system/kdm0.service		18.3			
/system/dbus.service	9	1.3	11.3M		
/system/rabbitmq-server.service	44	0.5	42.1H	-	-
/system/mysold_service	16	0.0	54.5M		
/system/NetworkManager.service	5	0.0	21.4H	-	-
/system/avahi daemon.service	2	0.0	1.28		
/system/console-kit-daemon.service	65		1.78		
/system/fsck@.service	-		44.0K	-	
/system/rtkit-daemon.service	3		332.0K		
/system/systemd-journald.service	1		38.9M	-	-
/system/systemd-logind.service	1		392.0K		
/system/udev.service	3		9.18		
/system/upower.service	3	-	4.48		

1. getty@.service consumes much CPU, and I don't know how much RAM

2. total memory consumption big (5.16), and I should calculate how much kdm exactly

Lets compare (depth=3):

Path	Tasks	%CPU	Memory	Input/s	0utput/s
/	86	164.0	5.3G	GB	1.48
/system	1	136.9	32.78		
/system/getty@.service	-	117.2	-	-	-
/system/getty@.service/ttyl	6	116.3	135.2M		
/system/kdm9.service		17.1			
/system/kdm0.service/tty7	236	17.2	4.5G	-	-
/system/dbus.service	9	2.0	11.3M		
/system/getty@.service/tty2	3	0.8	2.68	-	
/system/rabbitmg-server.service	44	0.2	42.1M		
/system/mysald.service	16	0.1	54.5M		
/system/avahi daemon.service	2	0.0	1.28	-	
/system/NetworkManager.service	5		21.48		
/system/console-kit-daemon.service	65		1.78	-	
/system/fsck0.service			44.0K		
/system/rtkit_daemon.service	3		332.0K	-	
/system/systemd-journald.service	1		38.9M		
/system/systemd-logind.service	1		392.0K		
/system/udev.service	3		9.1M		
/system/upower.service	3		4.48		

1. current kdm session consumes 4.56 RAM, count of running processes 236

I have 2 getty/tty sessions
 first consumes a lot of of CPU and 100Mb RAM

4. seconds tty consumes almost nothing

Bug 49778 upstream fix

Lennart Poettering 2012-05-21 16:49:03 UTC

Comment 1 [reply] [-]

OK, changed!

```
diff --qit a/man/sustemd-cqtop.xml b/man/sustemd-cqtop.xml
index 9322fb0..14d4735 100644
--- a/man/systemd-cqtop.xml
+++ b/man/systemd-cgtop.xml
                                  the root group is monitored, for 1
                                  only the first level of control groups
                                  is monitored, and so on. Defaults to
                         </varlistentry>
                 </variablelist>
diff --git a/src/cgtop/cgtop.c b/src/cgtop/cgtop.c
index cc7a99f. ddb5709 100644
--- a/src/cqtop/cqtop.c
+++ b/src/cgtop/cgtop.c
₫@ -54,7 +54,7 @@ typedef struct Group {
         uint64 t io input bos, io output bos;
 } Group;
static usec_t arg_delay = 1*USEC_PER_SEC;
 static enum {
```

systemd-cgtop -help

systemd-cgtop [OPTIONS...]

Show top control groups by their resource usage.

-hhelp	Show this help
version	Print version and exit
-р	Order by path
-t	Order by number of tasks
-c	Order by CPU load
-m	Order by memory load
-i	Order by IO load
-ddelay=DELAY	Specify delay
-niterations=N	Run for N iterations before exiting
-bbatch	Run in batch mode, accepting no input
depth=DEPTH	Maximum traversal depth (default: 2)

patch

[systemd-devel] [PATCH] cgtop --help: default depth is 3 not 2

Maksim Melnikau maxposedon at gmail.com Fri Mar 29 05:55:50 PDT 2013

Fri Mar 29 05:55:50 PD1 2013

- Previous message: [systemd-devel] How to get "log_debug" from logind?
- Next message: [systemd-devel] [PATCH] cgtop --help: default depth is 3 not 2
- Messages sorted by: [date] [thread] [subject] [author]

use default depth from variable for --help

```
Signed-off-by: Maksim Melnikau <maxposedon at gmail.com>
 src/catop/catop.c | 4 ++--
1 file changed. 2 insertions(+). 2 deletions(-)
diff -- git a/src/cgtop/cgtop.c b/src/cgtop/cgtop.c
index f80d5le..eebebf0 100644
--- a/src/cgtop/cgtop.c
+++ b/src/cgtop/cgtop.c
00 -522,8 +522,8 00 static void help(void) {
                "-d - delay=DELAY Specify delay\n"
                " -n --iterations=N Run for N iterations before exiting\n"
                н.
                 -b --batch
                               Run in batch mode, accepting no input\n"

    depth=DEPTH Maximum traversal depth (default: 2)\n".

               program invocation short name):
+
                     --depth=DEPTH
                                      Maximum traversal depth (default: %d)\n".
+
               program invocation short name, arg depth);
 3
static void version(void) {
1.8.1.5
```

apply

[systemd-devel] [PATCH] cgtop --help: default depth is 3 not 2

Lennart Poettering lennart at poettering net

Fri Mar 29 07:48:20 PDT 2013

- Previous message: [systemd-devel] [PATCH] cgtop --help: default depth is 3 not 2
- Next message: [systemd-devel] snapshots not isolatable?
- Messages sorted by: [date] [thread] [subject] [author]

On Fri, 29.03.13 15:55, Maksim Melnikau (maxposedon at gmail.com) wrote:

> use default depth from variable for --help

Thanks! Applied!

Lennart

Lennart Poettering - Red Hat, Inc.

Conclusion

Don't afraid - contribute! It's easy!

Ask me

- maxposedon@gmail.com
- https:

//bugs.freedesktop.org/show_bug.cgi?id=49778

- http://lists.freedesktop.org/archives/ systemd-devel/2013-March/010005.html
- http://lists.freedesktop.org/archives/ systemd-devel/2013-March/010009.html

https:

//github.com/max-posedon/talk-easy-contribute