
Subject: Mounting blkio cgroup hierarchy

Posted by [Ben Gamari](#) on Fri, 12 Nov 2010 17:13:24 GMT

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I've been trying to configure cgroups and have encountered some very strange behavior. In particular, when I follow the instructions in Documentation/cgroups/blkio-controller.txt I quickly reach an error,

```
$ cd /mnt
$ sudo mkdir -p cgroups/blkio
$ # Confirm it's not already mounted:
$ cat /proc/mounts
rootfs / rootfs rw 0 0
none /sys sysfs rw,nosuid,nodev,noexec,relatime 0 0
none /proc proc rw,nosuid,nodev,noexec,relatime 0 0
none /dev devtmpfs rw,relatime,size=1993264k,nr_inodes=498316,mode=755 0 0
none /dev/pts devpts rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmode=000 0 0
fusectl /sys/fs/fuse/connections fusectl rw,relatime 0 0
/dev/disk/by-uuid/7d908a9f-fe46-4a82-bb2b-3fc108c96280 / ext4
rw,relatime,errors=remount-ro,barrier=1,data=ordered 0 0
none /sys/kernel/debug debugfs rw,relatime 0 0
none /sys/kernel/security securityfs rw,relatime 0 0
none /dev/shm tmpfs rw,nosuid,nodev,relatime 0 0
none /var/run tmpfs rw,nosuid,relatime,mode=755 0 0
none /var/lock tmpfs rw,nosuid,nodev,noexec,relatime 0 0
/dev/sda1 /boot ext4 rw,relatime,barrier=1,data=ordered 0 0
binfmt_misc /proc/sys/fs/binfmt_misc binfmt_misc rw,nosuid,nodev,noexec,relatime 0 0
gvfs-fuse-daemon /home/ben/.gvfs fuse.gvfs-fuse-daemon
rw,nosuid,nodev,relatime,user_id=1000,group_id=1000 0 0
$ sudo mount -t cgroup -o blkio none /mnt/cgroups/blkio
mount: special device none does not exist
```

I've done quite a bit of Googling and yet it's very difficult to find good information on configuring cgroups. I would use the libcg toolset[1] but every attempt to configure it has ended in frustratingly vague error messages.

Any ideas?

Cheers,

- Ben

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: Mounting blkio cgroup hierarchy
Posted by [Ben Gamari](#) on Mon, 15 Nov 2010 01:17:39 GMT
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On Mon, 15 Nov 2010 08:49:40 +0800, Li Zefan <lizf@cn.fujitsu.com> wrote:

> Ben Gamari wrote:

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> > strange behavior. In particular, when I follow the instructions in

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> ...

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> > good information on configuring cgroups. I would use the libcg

> > toolset[1] but every attempt to configure it has ended in frustratingly

> > vague error messages.

> >

> > Any ideas?

> >

>

> I suspect you didn't have blkio enabled in your kernel config.

>

Doh! I could have sworn I had enabled this. Sorry for the noise!

- Ben

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