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,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,nodev,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,nodev,relatime,mode=755 0 0
none /var/lock tmpfs rw, nosuid,nodev,relatime 0 0
/dev/sda1 /boot ext4 rw,relatime, barrier=1, data=ordered 0 0
fbinfmt_misc /proc/sys/fs/binfmt_misc bbinfmt_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.linuxfoundation.org
https://lists.linuxfoundation.org/mailman/listinfo/containers
Subject: Re: Mounting blkio cgroup hierarchy
Posted by Ben Gamari on Mon, 15 Nov 2010 01:17:39 GMT

On Mon, 15 Nov 2010 08:49:40 +0800, Li Zefan <lizf@cn.fujitsu.com> wrote:

> Ben Gamari wrote:
> 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,
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> > ...
> > 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?
> >
>
> 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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