
Subject: IBM RAID controller re-mount lock

Posted by [maximilian.csuk](#) on Wed, 05 Aug 2009 14:35:44 GMT

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Dear OpenVZ community,

We have a system from IBM (System x3400) with an IBM ServeRAID 8K-I controller on which we are running Debian-Lenny 4.1.2-25. The kernel is openvz-kernel 2.6.26-2-openvz-686.

The containers are located on a separate ext3-partition and are mounted like this:
/dev/drbd0 on /mnt/hq-drbd-stor01 type ext3 (rw)

In particular, we experience a lockup when we try to un-mount and remount the container's partition.

The following steps work:

```
vzctl chkpnt 77
vzctl stop 77
/etc/init.d/openvz stop
/etc/init.d/openvz start
vzctl restore 77
```

But these don't work:

```
vzctl chkpnt 77
vzctl stop 77
/etc/init.d/openvz stop
umount /dev/drbd0
mount /dev/drbd0
/etc/init.d/openvz start
vzctl restore 77
```

The restore produces the lockup.

The output until it hangs:

```
Restoring VE ...
Starting VE ...
VE is mounted
  undump...
Adding IP address(es): 10.20.60.20
Setting CPU units: 1000
Configure meminfo: 65536
```

Nothing more is displayed after this.

The host shows 100% CPU (system-)usage, load goes up to about 10. From our understanding,

a container's processes run inside a kernel-process on the host. The container's currently active process (as far as we can tell, it's a different one on any try) takes all the CPU from the host.

OpenVZ-version is 036test001.

We already tried changing the RAID-controller driver in use from aacraid-1.1.5.2449 to aacraid-1.1.5.2467 but without any luck.

Then we tried using USB-disks instead of the dev/drbd0 where the restore worked even after re-mounting, so the issue must lie within the RAID controller.

We also tried to run a DRBD device on two USB-disks instead of using ServeRAID attached disks this constellation also works, so we can assume that DRDB is working correctly

Is this a known issue? If yes, (how) can it be solved?

Is there a way to debug this and provide you and us with more information?

Thank you for your time.,
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