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Subject: raw disk access from container

Posted by [smal2014](#) on Tue, 04 Feb 2014 12:20:16 GMT

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I've been trying to evaluate if OpenVZ would work to give physical access to a raw device from the container. So far I have been unsuccessful (partly). This is on Centos 6.5 host and container.

Basically, here's what I've done :

```
[host]
```

```
# lvcreate -L 500m /dev/virtual-machines
```

```
# raw /dev/raw/raw1 /dev/virtual-machines/lvol0
```

```
# raw -qa
```

```
/dev/raw/raw1: bound to major 253, minor 9
```

```
# vzctl set 1 --devnodes "raw/raw1:rwq raw/rawctl:rwq" --save
```

```
# vzctl enter 1
```

```
[container]
```

```
# [root@ /]# raw -qa
```

```
/dev/raw/raw1: bound to major 253, minor
```

```
# [root@ /]# udevadm test /dev/raw/raw1
```

```
run_command: calling: test
```

```
...
```

```
unable to open device '/sys/dev/raw/raw1'
```

I've got to the point where I can see `/dev/raw/rawctl` be able to query it. Although it is not putting the raw device in the `/sys/dev/block`

I've put the following in `/etc/udev/rules.d/60-raw.rules` (although didn't really understand) :

```
SUBSYSTEM=="block", ENV{MAJOR}=="253", ENV{MINOR}=="9", GROUP:="ats",  
OWNER="nobody"
```

I'm sure I'm missing important pieces. Basically I can't open the raw device I created.

Thanks!

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Subject: Re: raw disk access from container

Posted by [smal2014](#) on Wed, 05 Feb 2014 03:51:11 GMT

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I might have fixed my own problem temporarily. The device `/dev/dm-8` from the logical volume creation showed up. I could open that device without any problems.

I used `--devices "b:253:9:rwq"` or `--devnodes <vg>/<lv>:rwq` and then `/dev/dm-8` popped up.

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