
Subject: Is it possible to use 'insmod command' for device driver loading inside VE ?

Posted by [ssil](#) on Sun, 23 Dec 2007 08:05:42 GMT

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Hi,

[test configuration]

OS : ubuntu edgy 6.1

Openvz kernel : 2.6.18-smp version

os template : debian-4.0-i386-minimal

HN(#insmod sensor-test.ko)-- VPS101 (#insmod sensor-test.ko)

HN:sensor is good working VPS:Operation not permitted

I tried 'insmod sensor-test.ko' on HN

and I could see 'sensor-test' message with 'lsmod | grep sensor'
and sensor is working on HN.

so I tried 'insmod sensor-test.ko' inside VE.

vps101# insmod sensor.ko.

-> Operation not permitted.

After I see above the message of 'Operation not permitted'

I tried another method.

(on HN side)

```
#vzctl set 101 --device c:240:0:rw --save
```

```
#vzctl exec 101 mknod /dev/sensor-test c 240 0
```

```
#vzctl exec 101 chmod 666 /dev/sensor-test
```

(inside VPS)

```
# ls -al /dev/sensor-test
```

```
crw-rw-rw 1 root root 240, 0 /dev/sensor-test
```

```
# ls sensor-test.ko
```

```
# insmod sensor-test.ko
```

```
Operation not permitted.
```

I searched below some answers about loading device inside VE.

->It is prohibited to load/unload kernel modules inside VE.

So, kernel module should be loaded on HN! And then you can use appropriate tools inside VE.

but I would like to load/unload device driver inside VE.

How can I load/unload device driver inside VE?

How can use 'insmod command' without 'operation not permitted'inside VE?

Best regards,

SANG-IL, SON

Subject: Re: Is it possible to use 'insmod command' for device driver loading inside VE ?

Posted by [curx](#) on Mon, 24 Dec 2007 10:14:18 GMT

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Hi,

per default in a VE loading kernel modules are not possible (see man page "Capability"), so load kernel module on Hardware and give VE access to devnodes on Hardware Node!

And read the warning in man page !!!!!!!
