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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]

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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  
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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 same 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