
Subject: insmod problem

Posted by [danielcamara](#) on Fri, 25 Apr 2008 08:42:33 GMT

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Hi people,

I am having a problem inserting a module in a Virtual Machine here...

I need to install the module in a series of VMs. It is required for each machine to have its own instance of the module installed. However, I am having an "Operation not permitted" problem, though the capability SYS_MODULE is on.

The error I am getting when I try to insert a module, when the module is not in the real machine, is:

```
node_104 # insmod nasmesh.ko nas_is_clusterhead=0
insmod: error inserting 'nasmesh.ko': -1 Operation not permitted
```

The output of the lsmod shows no module inserted, as expected, given the permission error. However, another strange thing is that if I install the module in the real machine, the error inside the VM changes:

```
real_machine # insmod nasmesh.ko nas_is_clusterhead=0
real_machine # vzctl enter 104
VM_node_104 # insmod nasmesh.ko nas_is_clusterhead=0
insmod: error inserting 'nasmesh.ko': -1 File exists
```

Even the output at the lsmod being empty.

I found this discussion from the news (<http://forum.openvz.org/index.php?t=msg&goto=25421&>), that seems to be more or less the same problem... but I sincerely didn't understand the answer, nor if it is applicable for this case.

Any Ideas, for both problems (operation not permitted, and the File exists one)?!?!? i.e. if they are really two separated problems!

Best regards...

Daniel

Configuration :

OS Host machine: Ubuntu

Kernel Host machine: 2.6.18-028stab053
OpenVZ : kernel-patch-openvz-028.18.3
VM Template: debian-4.0-i386-minimal

lcap on the VM:

lcap

Current capabilities: 0x5DCDEEFF

- | | |
|---------------------------|-------------------------|
| 0) *CAP_CHOWN | 1) *CAP_DAC_OVERRIDE |
| 2) *CAP_DAC_READ_SEARCH | 3) *CAP_FOWNER |
| 4) *CAP_FSETID | 5) *CAP_KILL |
| 6) *CAP_SETGID | 7) *CAP_SETUID |
| 8) CAP_SETPCAP | 9) *CAP_LINUX_IMMUTABLE |
| 10) *CAP_NET_BIND_SERVICE | 11) *CAP_NET_BROADCAST |
| 12) CAP_NET_ADMIN | 13) *CAP_NET_RAW |
| 14) *CAP_IPC_LOCK | 15) *CAP_IPC_OWNER |
| 16) *CAP_SYS_MODULE | 17) CAP_SYS_RAWIO |
| 18) *CAP_SYS_CHROOT | 19) *CAP_SYS_PTRACE |
| 20) CAP_SYS_PACCT | 21) CAP_SYS_ADMIN |
| 22) *CAP_SYS_BOOT | 23) *CAP_SYS_NICE |
| 24) *CAP_SYS_RESOURCE | 25) CAP_SYS_TIME |
| 26) *CAP_SYS_TTY_CONFIG | 27) *CAP_MKNOD |
| 28) *CAP_LEASE | 29) CAP_AUDIT_WRITE |
| 30) *CAP_AUDIT_CONTROL | |

* = Capabilities currently allowed

lsmmod VM machine:

lsmmod

Module	Size	Used by
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lsmmod real machine:

lsmmod

Module	Size	Used by
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nasmesh	34572	0
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(.... Other modules)