
Subject: Documented kernel settings (/etc/sysctl.conf) we can or can not set while inside a CT?

Posted by [CatDaaaady](#) on Fri, 31 Jul 2009 22:20:50 GMT

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Is anyone aware of a documented list of kernel settings that can and can not be changed while inside a container?

This is what I have found so far:

Parameters that can be modified inside the container.

```
net.ipv4.ip_forward
net.ipv4.conf.default.proxy_arp
net.ipv4.conf.default.rp_filter
net.ipv4.conf.default.accept_source_route
kernel.msgmnb
kernel.msgmax
kernel.shmmax
kernel.shmall
net.ipv4.conf.all.arp_announce
```

Parameters that can NOT be modified inside the container.

```
kernel.sysrq
kernel.core_uses_pid
net.ipv4.tcp_syncookies
fs.file-max
net.core.rmem_max
net.core.wmem_max
net.core.rmem_default
net.core.wmem_default
net.core.optmem_max
net.core.netdev_max_backlog
```

Example: While inside the container doing something like this will not work:

```
# echo 262070 > /proc/sys/fs/file-max
# cat /proc/sys/fs/file-max
65535
#
```

I noticed if am on the hardware node I can change the settings by using "sysctl". But that will affect all the containers on the system.

Is there away to set certain settings for only specific containers and not all of them?

Subject: Re: Documented kernel settings (/etc/sysctl.conf) we can or can not set while inside a CT?

Posted by [maratrus](#) on Mon, 03 Aug 2009 07:31:51 GMT

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Quote:

Is there away to set certain settings for only specific containers and not all of them?

user_beancounters

<http://wiki.openvz.org/UBC>

Subject: Re: Documented kernel settings (/etc/sysctl.conf) we can or can not set while inside a CT?

Posted by [CatDaaaady](#) on Mon, 03 Aug 2009 19:14:03 GMT

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That is a good place to start.

But User Bean counters does not cover all the kernel settings.

That is why I am interested in any documentation that details aLI the settings that we can or can not change for a CT.

Subject: Re: Documented kernel settings (/etc/sysctl.conf) we can or can not set while inside a CT?

Posted by [maratrus](#) on Wed, 05 Aug 2009 06:24:41 GMT

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I think the best place to examine is /proc/sys/ subdirectory inside VE. All sysctls that you're allowed to change are there.

Subject: Re: Documented kernel settings (/etc/sysctl.conf) we can or can not set while inside a CT?

Posted by [CatDaaaady](#) on Wed, 05 Aug 2009 23:36:34 GMT

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All sorts of settings are under /proc. But you can not change them all if you look at my initial post. Only a certain set.

That is why I posted the initial question.
