
Subject: Can't set fs.mqueue.msg_max
Posted by jakm **on Tue, 24 Mar 2015 13:33:58 GMT**
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Hello,

I need to increase POSIX MessageQueue length to 100 inside the container, but every attempt fails with 'permission denied'. Host system has length set to 100 and container to 10 (after start). We tried this commands:

```
[prod]root@virt2:/root# vzctl enter 32013
entered into CT 32013
root@broker:/# sysctl -w fs.mqueue.msg_max=100
sysctl: permission denied on key 'fs.mqueue.msg_max'

root@broker:/# echo 100 > /proc/sys/fs/mqueue/msg_max
-bash: /proc/sys/fs/mqueue/msg_max: Permission denied
```

Container has set this capabilities:

```
CAPABILITY="CHOWN:on DAC_OVERRIDE:on DAC_READ_SEARCH:on FOWNER:on
FSETID:on KILL:on SETGID:on SETUID:on SETPCAP:on LINUX_IMMUTABLE:on
NET_BIND_SERVICE:on NET_BROADCAST:on NET_ADMIN:on NET_RAW:on IPC_LOCK:on
IPC_OWNER:on SYS_MODULE:on SYS_RAWIO:on SYS_CHROOT:on SYS_PTRACE:on
SYS_PACCT:on SYS_ADMIN:on SYS_BOOT:on SYS_NICE:on SYS_RESOURCE:on
SYS_TIME:on SYS_TTY_CONFIG:on MKNOD:on LEASE:on VE_ADMIN:on FS_MASK:on"
```

Kernel and vzctl versions:

- * 2.6.32-openvz-042stab104.1-amd64
- * vzctl version 4.8

Any idea what is wrong? Thanks.

Jakub

Subject: Re: Can't set fs.mqueue.msg_max
Posted by sabine77 **on Fri, 20 May 2016 08:13:38 GMT**
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Hello,

I was just wondering if somebody has found a solution to that problem?

We also need to change some fs.mqueue.* kernel parameters for POSIX Message Queues

```
fs.mqueue.msgsize_max=65536  
fs.mqueue.msg_max=200  
fs.mqueue.queues_max=512
```

We've set it on our OpenVZ Node but however inside of our container we've still got only default values

On HW-Node...

```
# uname -r  
2.6.32-042stab113.17
```

```
# sysctl -a |grep mqueue  
fs.mqueue.queues_max = 512  
fs.mqueue.msg_max = 200  
fs.mqueue.msgsize_max = 65536  
fs.mqueue.msg_default = 10  
fs.mqueue.msgsize_default = 65365
```

Inside container:

```
# vzctl enter 666667  
entered into CT 666667  
# sysctl -a |grep mqueue  
fs.mqueue.queues_max = 256  
fs.mqueue.msg_max = 10  
fs.mqueue.msgsize_max = 8192  
fs.mqueue.msg_default = 10  
fs.mqueue.msgsize_default = 8192
```

So for unprivileged user/processes it is still not possible to open mqueues with messagesize greater and even other than 8192.... Same applies for the other fs.mqueue parameters as well...

Any idea how to solve that problem?

Thank you in advance.

Greetings, Sabine

Subject: Re: Can't set fs.mqueue.msg_max
Posted by [curx](#) on Wed, 08 Jun 2016 09:38:08 GMT
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