Subject: *SOLVED* Server refused to allocate pty
Posted by devnu11 on Wed, 05 Oct 2005 05:52:19 GMT
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My host OS is CentOS 4.1 and I have configured a VPS of CentOS 4.1 via vztmpl-centos-4 and added the simfs fix from this forum. I have had a recurring problem of the error "Server refused to allocate pty" when trying to SSH to this CentOS VPS. It seems that after the host is restarted the error occurs. As best I can remember I performed the following. Created the VPS and was able to SSH into the VPS. I vzyum'ed to add YUM to the VPS and restarted the VPS. All was fine so I rebooted the host. SSH still worked. I then "yum update" from inside the VPS. I then restarted the VPS and and all was fine, I rebooted the host and received the pty error. I'm including some things which I have received which amount to errors.

vzctl start 101
Starting VPS ...
vzquota : (error) Quota off syscall for id 101: Device or resource busy
vzquota setlimit -f failed [3]
vzquota : (warning) Quota is running for id 101 already
VPS is mounted
Adding IP address(es): 72.36.180.xxx
Setting CPU units: 1000
Set hostname: devnu11.servebeer.com
File resolv.conf was modified
VPS start in progress...
#

vzctl enter 101
Unable to open pty: No such file or directory
enter failed

From VPS 101 /var/log/messages

Oct 5 00:40:51 devnu11 shutdown: shutting down for system halt
Oct 5 00:40:51 devnu11 init: Switching to runlevel: 0
Oct 5 00:40:51 devnu11 httpd: httpd shutdown succeeded
Oct 5 00:40:51 devnu11 sshd: sshd -TERM succeeded
Oct 5 00:40:51 devnu11 sendmail: sendmail shutdown succeeded
Oct 5 00:40:51 devnu11 sendmail: sm-client shutdown succeeded
Oct 5 00:40:51 devnu11 xinetd[15870]: Exiting...
Oct 5 00:40:51 devnu11 xinetd: xinetd shutdown succeeded
Oct 5 00:40:51 devnu11 exiting on signal 15
Oct 5 00:46:03 devnu11 syslogd 1.4.1: restart.
Oct 5 00:46:03 devnu11 syslog: syslogd startup succeeded
Oct 5 00:46:03 devnu11 syslog: klogd succeeded

Oct 5 00:46:03 devnu11 sshd: succeeded
Oct 5 00:46:03 devnu11 xinetd: xinetd startup succeeded
Oct 5 00:46:03 devnu11 xinetd[19556]: xinetd Version 2.3.13 started with libwrap loadavg options compiled in.
Oct 5 00:46:03 devnu11 xinetd[19556]: Started working: 0 available services
Oct 5 00:46:03 devnu11 sendmail: sendmail startup succeeded
Oct 5 00:46:03 devnu11 sendmail: sm-client startup succeeded
Oct 5 00:46:03 devnu11 httpd: httpd startup succeeded
Oct 5 00:46:03 devnu11 init: no more processes left in this runlevel
Oct 5 00:46:02 devnu11 rc.sysinit: -e
Oct 5 00:46:02 devnu11 sysctl: net.ipv4.ip_forward = 0
Oct 5 00:46:02 devnu11 sysctl: error: unknown error 1 setting key 'net.ipv4.conf.default.rp_filter'
Oct 5 00:46:02 devnu11 sysctl: error: unknown error 1 setting key 'net.ipv4.conf.default.accept_source_route'
Oct 5 00:46:02 devnu11 sysctl: error: unknown error 1 setting key 'kernel.sysrq'
Oct 5 00:46:02 devnu11 sysctl: error: unknown error 1 setting key 'kernel.core_uses_pid'
Oct 5 00:46:02 devnu11 rc.sysinit: Configuring kernel parameters: failed
Oct 5 00:46:02 devnu11 date: Wed Oct 5 00:46:02 EDT 2005
Oct 5 00:46:02 devnu11 rc.sysinit: Setting clock : Wed Oct 5 00:46:02 EDT 2005 succeeded
Oct 5 00:46:02 devnu11 rc.sysinit: Setting hostname devnu11.servebeer.com: succeeded
Oct 5 00:46:02 devnu11 mount: mount: none already mounted or /dev/pts busy
Oct 5 00:46:02 devnu11 mount: mount: according to mtab, devpts is already mounted on /dev/pts
Oct 5 00:46:02 devnu11 rc.sysinit: Mounting local filesystems: failed
Oct 5 00:46:02 devnu11 rc.sysinit: Enabling local filesystem quotas: succeeded
Oct 5 00:46:02 devnu11 rc.sysinit: Enabling swap space: succeeded
Oct 5 00:46:03 devnu11 init: Entering runlevel: 3
Oct 5 00:46:03 devnu11 iptables: succeeded
Oct 5 00:46:03 devnu11 iptables: succeeded
Oct 5 00:46:03 devnu11 sysctl: net.ipv4.ip_forward = 0
Oct 5 00:46:03 devnu11 sysctl: error: unknown error 1 setting key 'net.ipv4.conf.default.rp_filter'
Oct 5 00:46:03 devnu11 sysctl: error: unknown error 1 setting key 'net.ipv4.conf.default.accept_source_route'
Oct 5 00:46:03 devnu11 sysctl: error: unknown error 1 setting key 'kernel.sysrq'
Oct 5 00:46:03 devnu11 sysctl: error: unknown error 1 setting key 'kernel.core_uses_pid'
Oct 5 00:46:03 devnu11 network: Setting network parameters: failed
Oct 5 00:46:03 devnu11 network: Bringing up loopback interface: succeeded
Oct 5 00:46:03 devnu11 ifup: SIOCADDRT: Network is unreachable
Oct 5 00:46:03 devnu11 network: Bringing up interface venet0: succeeded
Oct 5 00:46:36 devnu11 sshd(pam_unix)[19612]: session opened for user admin by (uid=0)
Oct 5 01:29:28 devnu11 sshd(pam_unix)[19612]: session closed for user admin

From Host /var/log/messages on reboot

Oct 4 17:52:15 schizoid smartd: smartd startup succeeded
Oct 4 17:51:29 schizoid date: Tue Oct 4 17:51:29 EDT 2005

Oct 4 17:51:29 schizoid rc.sysinit: Setting clock (localtime): Tue Oct 4 17:51:29 EDT 2005 succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Loading default keymap succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Setting hostname schizoid.iconch.com: succeeded
Oct 4 17:51:29 schizoid fsck: /: clean, 66825/393216 files, 481071/785176 blocks
Oct 4 17:52:15 schizoid sshd: succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Checking root filesystem succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Remounting root filesystem in read-write mode: succeeded
Oct 4 17:51:29 schizoid lvm.static:
Oct 4 17:51:29 schizoid lvm.static: No volume groups found
Oct 4 17:51:29 schizoid rc.sysinit: Setting up Logical Volume Management: succeeded
Oct 4 17:51:29 schizoid fsck: /boot: clean, 44/38152 files, 21792/152584 blocks
Oct 4 17:51:29 schizoid fsck: /vz: clean, 45953/9388032 files, 832278/18755879 blocks
Oct 4 17:52:15 schizoid xinetd: xinetd startup succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Checking filesystems succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Mounting local filesystems: succeeded
Oct 4 17:51:29 schizoid rc.sysinit: Enabling local filesystem quotas: succeeded
Oct 4 17:51:30 schizoid rc.sysinit: Enabling swap space: succeeded
Oct 4 17:51:30 schizoid init: Entering runlevel: 3
Oct 4 17:52:09 schizoid kudzu: failed
Oct 4 17:52:09 schizoid kudzu: Hardware configuration timed out.
Oct 4 17:52:09 schizoid kudzu: Run '/usr/sbin/kudzu' from the command line to re-detect.
Oct 4 17:52:09 schizoid sysctl: net.ipv4.ip_forward = 1
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.default.proxy_arp = 0
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.all.rp_filter = 1
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.default.send_redirects = 1
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.all.send_redirects = 0
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.default.rp_filter = 1
Oct 4 17:52:09 schizoid sysctl: net.ipv4.conf.default.accept_source_route = 0
Oct 4 17:52:09 schizoid sysctl: kernel.sysrq = 1
Oct 4 17:52:09 schizoid sysctl: kernel.core_uses_pid = 1
Oct 4 17:52:09 schizoid network: Setting network parameters: succeeded
Oct 4 17:52:10 schizoid network: Bringing up loopback interface: succeeded
Oct 4 17:52:12 schizoid network: Bringing up interface eth0: succeeded
Oct 4 17:52:12 schizoid ifup: Bringing up interface venet0:
Oct 4 17:52:12 schizoid ifup-venet: Bringing up interface venet0: succeeded
Oct 4 17:52:12 schizoid ifup: ^[[60G
Oct 4 17:52:12 schizoid ifup:
Oct 4 17:52:12 schizoid ifup: Configuring interface venet0:
Oct 4 17:52:12 schizoid sysctl: net.ipv4.conf.venet0.send_redirects = 0
Oct 4 17:52:12 schizoid ifup-venet: Configuring interface venet0: succeeded
Oct 4 17:52:12 schizoid ifup: ^[[60G
Oct 4 17:52:12 schizoid ifup:
Oct 4 17:52:12 schizoid network: Bringing up interface venet0: succeeded
Oct 4 17:52:16 schizoid xinetd[801]: xinetd Version 2.3.13 started with libwrap loadavg options compiled in.
Oct 4 17:52:16 schizoid xinetd[801]: Started working: 0 available services
Oct 4 17:52:24 schizoid ntpdate[812]: step time server 204.17.42.199 offset -0.548425 sec

Oct 4 17:52:24 schizoid ntpd: succeeded
Oct 4 17:52:24 schizoid ntpd[820]: ntpd 4.2.0a@1.1190-r Mon Feb 21 17:54:52 GMT 2005 (1)
Oct 4 17:52:24 schizoid ntpd: ntpd startup succeeded
Oct 4 17:52:24 schizoid ntpd[820]: precision = 1.000 usec
Oct 4 17:52:24 schizoid ntpd[820]: Listening on interface wildcard, 0.0.0.0#123
Oct 4 17:52:24 schizoid ntpd[820]: Listening on interface lo, 127.0.0.1#123
Oct 4 17:52:24 schizoid ntpd[820]: Listening on interface eth0, 72.36.180.226#123
Oct 4 17:52:24 schizoid ntpd[820]: kernel time sync status 0040
Oct 4 17:52:24 schizoid ntpd[820]: frequency initialized 106.572 PPM from /var/lib/ntp/drift
Oct 4 17:52:25 schizoid sendmail: sendmail startup succeeded
Oct 4 17:52:25 schizoid sendmail: sm-client startup succeeded
Oct 4 17:52:25 schizoid crond: crond startup succeeded
Oct 4 17:52:25 schizoid anacron: anacron startup succeeded
Oct 4 17:52:25 schizoid atd: atd startup succeeded
Oct 4 17:52:25 schizoid kernel: NET: Unregistered protocol family 17
Oct 4 17:52:25 schizoid kernel: NET: Registered protocol family 17
Oct 4 17:52:25 schizoid vz: loading OpenVZ modules succeeded
Oct 4 17:52:25 schizoid kernel: VPS: 101: started
Oct 4 17:52:27 schizoid vz: succeeded
Oct 4 17:52:27 schizoid kernel: VPS: 102: started
Oct 4 17:52:29 schizoid vz: succeeded
Oct 4 17:52:30 schizoid messagebus: messagebus startup succeeded
Oct 4 17:52:30 schizoid haldaemon: haldaemon startup succeeded
Oct 4 17:52:31 schizoid fstab-sync[2418]: removed all generated mount points
Oct 4 17:52:33 schizoid webmin(pam_unix)[2409]: authentication failure; logname= uid=0 euid=0 tty= ruser= rhost= user=root
Oct 4 17:52:35 schizoid rc: Starting webmin: succeeded
Oct 4 17:55:40 schizoid ntpd[820]: synchronized to LOCAL(0), stratum 10
Oct 4 17:55:40 schizoid ntpd[820]: kernel time sync disabled 0041
Oct 4 17:56:45 schizoid ntpd[820]: synchronized to 204.17.42.199, stratum 2

uname -a
Linux xxx.xxx.com 2.6.8-022stab038.1 #1 Thu Sep 22 16:01:35 MSD 2005 i686 athlon i386 GNU/Linux

I guess that's all the info I have to offer. As I said this has been a recurring problem and it has happened in fedora core 3 and 4 also. As a note I have VPS 102 which is Fedora 4 which seems to be fine right now.

Subject: Re: Server refused to allocate pty
Posted by devnu11 on Wed, 05 Oct 2005 06:30:42 GMT
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Swdev was kind enough to assist me in #openvz and I was able to correct the problem. I am

adding what I did as a reference for someone else.

vzctl exec 101 /sbin/MAKEDEV tty

then

vzctl exec 101 /sbin/MAKEDEV pty

This solved the problem and I can log in as before. I believe udev was updated from a "yum update" and caused the problem.

Thanks again swdev

Subject: Re: Server refused to allocate pty
Posted by kir on Wed, 05 Oct 2005 12:11:59 GMT
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Most probably the right way is to run
vzctl exec <VPSID> /sbin/MAKEDEV ptyp

Subject: Re: Server refused to allocate pty
Posted by youp on Tue, 06 Feb 2007 08:50:07 GMT
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i have a similar error :

-> vzctl enter 133
entered into VE 133
mesg: error: tty device is not owned by group `tty'

i have tested thsi command :

vzctl exec 133 /sbin/MAKEDEV ptyp

and

vzctl exec 133 /dev/MAKEDEV tty

and

vzctl exec 133 /dev/MAKEDEV pty

but nothing work

best regards

Subject: Re: Server refused to allocate pty
Posted by alevchuk on Sat, 14 Jul 2007 02:46:40 GMT
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This works for me but when I restart the VE the problem occurs again.

What is a good way to solve this problem permanently?

Subject: Re: Server refused to allocate pty
Posted by kir on Sat, 14 Jul 2007 03:11:23 GMT
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I guess you should disable udev inside a VE, and disable mounting /dev on tmpfs. After that, create devices and they will be there permanently.

Subject: Re: Server refused to allocate pty
Posted by alevchuk on Sat, 14 Jul 2007 05:06:19 GMT
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Thank you Kir.

Subject: Re: Server refused to allocate pty
Posted by istdizayn on Sun, 10 Feb 2008 12:24:46 GMT
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vzctl exec $VPSID /sbin/MAKEDEV tty

Please Try this command worked.

Subject: Re: Server refused to allocate pty
Posted by gozargah on Wed, 04 Jun 2008 11:19:46 GMT
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Hi,

I do following:

vzctl exec 133 /sbin/MAKEDEV ptyp
and
vzctl exec 133 /dev/MAKEDEV tty
and
vzctl exec 133 /dev/MAKEDEV pty

And problem resolved, but issue come back when i restart customer vps.

How can fix this too?

Subject: Re: Server refused to allocate pty
Posted by maratrus on Wed, 04 Jun 2008 11:21:28 GMT
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Hi,

is there udev inside that VPS?

Subject: Re: Server refused to allocate pty
Posted by gozargah on Wed, 04 Jun 2008 14:28:32 GMT
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Yes, we have "dev" in vps.

Subject: Re: Server refused to allocate pty
Posted by maratrus on Wed, 04 Jun 2008 14:42:00 GMT
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Hi,

No, I've meant something else.
I asked you about "udev" package that helps us dynamically "create" appropriate devices (and we can find them inside /dev directory).
If you have rpm-based VPS you can check that by typing "rpm -qa | grep udev" command.

Subject: Re: Server refused to allocate pty
Posted by kir on Wed, 04 Jun 2008 14:46:32 GMT

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youp,

There is a wiki article about the issue, maybe it will answer all your questions:
http://wiki.openvz.org/Container_enter_failed

Subject: Re: Server refused to allocate pty
Posted by gozargah on Wed, 04 Jun 2008 14:52:21 GMT
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maratrus wrote on Wed, 04 June 2008 10:42Hi,

No, I've meant something else.
I asked you about "udev" package that helps us dynamically "create" appropriate devices (and we can find them inside /dev directory).
If you have rpm-based VPS you can check that by typing "rpm -qa | grep udev" command.

[root@datamedia dev]# rpm -qa | grep udev
udev-095-14.9.el5

What can i must do now?

Subject: Re: Server refused to allocate pty
Posted by maratrus on Wed, 04 Jun 2008 14:55:13 GMT
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Hello,

Kir suggests wonderful link. I think it describes your problem totally. But if you have any questions please ask.

Subject: Re: Server refused to allocate pty
Posted by gozargah on Thu, 19 Jun 2008 18:15:27 GMT
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I have following error when run "vzctl exec 270 /dev/MAKEDEV tty" and customer vps going down and must be reboot for back online.

MAKEDEV: error making /dev/ttyEQ664: Cannot allocate memory

Where is problem and how can fix this?

Subject: Re: Server refused to allocate pty
Posted by kir on Fri, 20 Jun 2008 08:14:38 GMT
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youp wrote on Tue, 06 February 2007 11:50i have a similar error :

-> vzctl enter 133
entered into VE 133
mesg: error: tty device is not owned by group `tty'

This is about bad group ownership of files. I guess you have to do something like:

vzctl exec 133 'chgrp tty /dev/ttyp* /dev/ptyp*'

Subject: Re: Server refused to allocate pty
Posted by rduval on Tue, 14 Oct 2008 14:21:56 GMT
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I had exactly same problem after a yum update on centos 5.0, followed the same proceedure from the host with

vzctl exec 101 /sbin/MAKEDEV tty

and

vzctl exec 101 /sbin/MAKEDEV pty

And it's good again.

Thanks!