Subject: OpenVZ fails to start in Debian Etch
Posted by zenny on Mon, 08 Jan 2007 11:51:41 GMT
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I installed openvz in a debian etch as described at
http://wiki.openvz.org/Installation_on_Debian#Etch_.28testin g.29

But openvz fails when I execute /etc/init.d/vz start

Any pointers?

However, on a server running centos4.4, openvz gets installed very easily.

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by kir on Mon, 08 Jan 2007 12:26:02 GMT
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Quote:But openvz fails when I execute /etc/init.d/vz start
Can you elaborate on this? I.e. what is the exact error? Can you run it with «sh -x» prepended and post output here?

Also, what is the kernel version reported?

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by curx on Mon, 08 Jan 2007 12:27:27 GMT
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Hi Zenny,

what kind of errors occures ?

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by zenny on Mon, 08 Jan 2007 12:37:36 GMT
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when I try to run the /etc/init.d/vz start then it gives an output:

/etc/init.d/vz start
Starting OpenVZ: ..failed

That's it. I consulted another thread with the similar problem with Debian 3.2 but the problem does not seem to match with mine! The reference thread is

http://forum.openvz.org/index.php?t=tree&goto=7741&& amp;srch=debian+etch#msg_7741

Thanks

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by kir on Mon, 08 Jan 2007 12:44:33 GMT
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Try to run it as
sh -x /etc/init.d/vz start
and see what happens

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by zenny on Mon, 08 Jan 2007 12:56:03 GMT
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Kir:

Please find below the output:

```
# sh -x /etc/init.d/vz start
+ VZCONF=/etc/vz/vz.conf
+ '[' -f /etc/vz/vz.conf ']'
+ . /etc/vz/vz.conf
++ VIRTUOZZO=yes
++ LOCKDIR=/var/lib/vz/lock
++ DUMPDIR=/var/lib/vz/dump
++ VE0CPUUNITS=1000
++ LOGGING=yes
++ LOGFILE=/var/log/vzctl.log
++ LOG_LEVEL=0
++ DISK_QUOTA=yes
++ VZFASTBOOT=no
++ TEMPLATE=/var/lib/vz/template
++ VE_ROOT=/var/lib/vz/root/
++ VE_PRIVATE=/var/lib/vz/private/
++ CONFIGFILE=vps.basic
++ DEF_OSTEMPLATE=fedora-core-4
++ VZWDOG=no
++ IPTABLES='ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle
ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length'
+ '[' yes = no ']'
+ VZCTL=/usr/sbin/vzctl
+ VZQUOTA=/usr/sbin/vzquota
```

```
+ LOCKFILE=/var/lock/vz_lock
+ LICVIEW=/usr/sbin/vzlicview
+ PROC_VZVEINFO=/proc/vz/veinfo
+ '[' -x /usr/sbin/vzctl ']'
+ VZDEV=venet0
+ PRELOAD_MODULES=af_packet
+ MODULES='vzmon vzdquota vzdev'
+ CPT_MODULES='vzcpt vzrst'
+ VETH_MODULES=vzethdev
+ MODULES_OTHER='vzcompat vzcpt vzrst vzethdev'
+ NET_MODULES='vznetdev vznet'
+ IPT_MODULES='ip_tables ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter
iptable_mangle ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length'
+ '[' no = yes ']'
+ CONFIG_DIR=/etc/vz/conf
+ rc_done=..done
+ rc_failed=..failed
+ '[' -r /etc/init.d/functions ']'
+ '[' -r /etc/rc.status ']'
+ VEINFO=
+ RETVAL=0
+ PARALLEL=4
+ cd /
+ case "$1" in
+ start
+ local veid
+ local velist
+ local msg
+ lockfile /var/lock/vz_lock
+ local TEMPFILE=/var/lock/vz_lock.7214
+ local LOCKFILE=/var/lock/vz_lock
+ echo 7214
+ ln /var/lock/vz_lock.7214 /var/lock/vz_lock
++ cat /var/lock/vz_lock
+ kill -0 6008
+ ln /var/lock/vz_lock.7214 /var/lock/vz_lock
+ rm -f /var/lock/vz_lock
+ echo 7214
+ return 0
+ '[' -f /var/lock/vz ']'
+ '[' '!' -e /dev/vzctl ']'
+ __echo 'Starting OpenVZ: '
+ '[' '' = redhat ']'
+ echo -n 'Starting OpenVZ: '
Starting OpenVZ: + load_modules 'ip_tables ipt_REJECT ipt_tos ipt_limit ipt_multiport
iptable_filter iptable_mangle ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length'
+ local 'modules=ip_tables ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle
ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length'
```

```
+ local mod
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ip_tables
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_REJECT
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_tos
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_limit
+ /sbin/modprobe ipt_limit
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_multiport
+ /sbin/modprobe ipt_multiport
+ for mod in '${modules}'
+ grep -qw iptable_filter
+ /sbin/lsmod
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw iptable_mangle
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_TCPMSS
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_tcpmss
+ /sbin/modprobe ipt_tcpmss
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_ttl
+ continue
+ for mod in '${modules}'
+ /sbin/lsmod
+ grep -qw ipt_length
+ /sbin/modprobe ipt_length
+ for MOD in '$PRELOAD_MODULES'
+ /sbin/modprobe -r af_packet
+ /sbin/modprobe af_packet
```

```
+ for MOD in '$MODULES'
+ /sbin/modprobe vzmon
+ RETVAL=1
+ '[' 1 -ne 0 ']'
+ print_failure 'Loading module vzmon'
+ '[' '' = redhat ']'
+ echo -n ..failed
..failed+ echo

+ return 1
+ exit 1
```

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by kir on Mon, 08 Jan 2007 13:04:05 GMT
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Looks like vzmon OpenVZ kernel module fails to load.

Does dmesg|tail shows anything bad? What happens if you try to run modprobe vzmon?

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by zenny on Mon, 08 Jan 2007 13:26:34 GMT
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The outputs are as follows:

```
# modprobe vzmon
FATAL: Module vzmon not found.

 dmesg | tail
lp0: using parport0 (interrupt-driven).
ppdev: user-space parallel port driver
NET: Registered protocol family 10
lo: Disabled Privacy Extensions
IPv6 over IPv4 tunneling driver
ip_tables: (C) 2000-2006 Netfilter Core Team
[drm] Initialized drm 1.0.1 20051102
ACPI: PCI Interrupt 0000:00:02.0[A] -> GSI 16 (level, low) -> IRQ 58
[drm] Initialized i915 1.5.0 20060119 on minor 0
eth0: no IPv6 routers present
```

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by kir on Mon, 08 Jan 2007 13:35:05 GMT

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Looks like you haven't set CONFIG_VE_CALLS=m option in kernel .config while configuring/compiling the kernel.

Please recompile the kernel with this option set to "m".

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by zenny on Wed, 10 Jan 2007 22:29:52 GMT
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Thank you Kir for the advise. I recompiled the kernel and it works now.

I have another question. The /etc/vz/vz.conf files reads like:

```
## Global parameters
VIRTUOZZO=yes
LOCKDIR=/var/lib/vz/lock
DUMPDIR=/var/lib/vz/dump
VE0CPUUNITS=1000

## Logging parameters
LOGGING=yes
LOGFILE=/var/log/vzctl.log
LOG_LEVEL=0

## Disk quota parameters
DISK_QUOTA=yes
VZFASTBOOT=no

# The name of the device whose ip address will be used as source ip for VE.
# By default automatically assigned.
#VE_ROUTE_SRC_DEV="eth0"

## Template parameters
TEMPLATE=/var/lib/vz/template

## Defaults for VEs
VE_ROOT=/var/lib/vz/root/$VEID
VE_PRIVATE=/var/lib/vz/private/$VEID
CONFIGFILE="vps.basic"
DEF_OSTEMPLATE="fedora-core-4"

## Load vzwdog module
VZWDOG="no"

IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS
```

ipt_tcpmss ipt_ttl ipt_length"

But I want to point it to a seperate partition with /vz as mountpoint instead of /var/lib/vz for the private VEs. Is it enough to change the path in the vz.conf file or do I need to relink other stuffs too?

And I did see an empty /var/lib/vz/vzctl directory also. I could not see the rational of that?

Thank you again.

PS: After reading this thread (http://forum.openvz.org/index.php?t=msg&goto=5126&&srch=%2Fvar%2Flib#msg_5126), I realized that why it is so. However, is it worth mounting the /var/lib/vz to /vz or will it break something?

Subject: Re: OpenVZ fails to start in Debian Etch
Posted by curx on Wed, 10 Jan 2007 23:04:30 GMT
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Hi zenny,

The debian install of vzctl package follows the "filesystem hierachy standard (fhs) -> http://www.pathname.com/fhs/
so the VZROOT is set to /var/lib/vz.
For a "backward" compability, you can create a symbolic link to /vz:

ln -s /var/lib/vz /vz

In your case, mount your seperate partion to /var/lib/vz,
or change the vz.conf setting to your mountpoint.

e.g:

LOCKDIR=/var/lib/vz/lock
DUMPDIR=/var/lib/vz/dump
TEMPLATE=/var/lib/vz/template
VE_ROOT=/var/lib/vz/root/$VEID
VE_PRIVATE=/var/lib/vz/private/$VEID

Change /var/lib/vz/ to your needed path