
Subject: Top Patch exists?

Posted by mckayfer **on Thu, 19 Oct 2006 18:39:57 GMT**

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Hello,

I want to know, if there already exists a patch for top, so that if I use the top command in a virtual System only the tasks which runs on the virtual system and not all tasks are shown?

If yes, do anybody also know, where I can find it?

Thanks so far

Subject: Re: Top Patch exists?

Posted by dev **on Thu, 19 Oct 2006 20:17:43 GMT**

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<http://download.openvz.org/contrib/utils/vzprocps-2.0.11-6.1.2.swsoft.src.rpm>

Subject: Re: Top Patch exists?

Posted by curx **on Fri, 20 Oct 2006 10:19:49 GMT**

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Hi,

compiling these vzproc tools a error occured:

on a debian system i download it, patched in the order like in vzproc.spec and :

make

```
gcc -D_GNU_SOURCE -O3 -Wall -Wstrict-prototypes -Wshadow  
-I/usr/src/openvz/vzproc/procps-2.0.11.orig -I/usr/include/ncurses -I/usr/X11R6/include  
-f writable-strings -c top.c
```

In file included from top.c:114:

proc/sysinfo.h:7:20: vzlist.h: No such file or directory

make: *** [top.o] Error 1

-> to fix, I snipped the vzlist.h out of the vzctl-3.0.12/include/vzlist.h and copied to proc/vzlist.h and modify proc/sysinfo.h, to use the proc/vzlist.h

again:

make

```
gcc -WI,-warn-common -o top top.o proc/libproc.a proc/libproc.a -Icurses
```

```
proc/libproc.a(compare.o)(.data+0x0): multiple definition of `ve_status'  
top.o(.data+0x18): first defined here  
proc/libproc.a(readproc.o)(.data+0x0): multiple definition of `ve_status'  
top.o(.data+0x18): first defined here  
proc/libproc.a(status.o)(.data+0x0): multiple definition of `ve_status'  
top.o(.data+0x18): first defined here  
proc/libproc.a(sysinfo.o)(.data+0x0): multiple definition of `ve_status'  
top.o(.data+0x18): first defined here  
proc/libproc.a(whattime.o)(.data+0x0): multiple definition of `ve_status'  
top.o(.data+0x18): first defined here  
collect2: ld returned 1 exit status  
make: *** [top] Error 1
```

it's a debian system with :
gcc (GCC) 3.3.5 (Debian 1:3.3.5-13)

Subject: Re: Top Patch exists?
Posted by [dev](#) on Fri, 20 Oct 2006 11:16:07 GMT
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find ve_status function and remove one of them.
I suppose you need vzlist.h from kernel, not vzctl one.

Subject: Re: Top Patch exists?
Posted by [curx](#) on Fri, 20 Oct 2006 15:22:08 GMT
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Hi,

> find ve_status function and remove one of them.

You point me in the right direction

> I suppose you need vzlist.h from kernel, not vzctl one.
Sorry, i found no vzlist.h in kernel-source, and inspecting some files - i found out it's from vzctl!

the fix:
comment out the ve_status

```
/* char *ve_status[] = {  
    *      "running",  
    *      "stopped",  
    *      "mounted"
```

```
* };  
*/
```

and build it again.

then you can use the 2 builed tools: ps and top

```
# ps -E <VEID>  
VEID PID TTY STAT TIME COMMAND  
<VEID> 13107 ? S 0:00 init [2]  
<VEID> 14404 ? S 0:00 /sbin/syslogd  
<VEID> 14532 ? S 0:00 /usr/sbin/exim4 -bd -q30m  
<VEID> 14539 ? S 0:00 /usr/sbin/cron
```

```
# top -e -n1, gives me a N/A, nor VEID is printed :-/
```

PID	USER	PRI	NI	SIZE	RSS	SHARE	VEID	STAT	%CPU	%MEM	TIME	CPU	COMMAND
1	root	16	0	2656	536	456	N/A	S	0.0	0.0	0:00	0	init
[...]													

Thanks!

Subject: Re: Top Patch exists?

Posted by [mckayfer](#) on Fri, 20 Oct 2006 16:27:36 GMT

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Hello,

I download the rpm file and tried to install it with

rpm -install vzprocps...

I get an error message "user dim does not exist - using root"

I don't understand it

What I have to do, that it works?

Sorry for so easy questions, but I'm not a "Linux every day user".

Thanks so far!

Subject: Re: Top Patch exists?

Posted by [curx](#) on Sat, 21 Oct 2006 13:38:33 GMT

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Hi,

pre:

To prevent a compile error, copy the vzlist.h out of the source tree of vzctl (in the directory ./include/) and copy to /usr/include/linux/vzlist.h

Modify the /usr/include/linux/vzlist.h:

```
from
char *ve_status[] = {
    "running",
    "stopped",
    "mounted"
};
```

to:

```
/*
* char *ve_status[] = {
*     "running",
*     "stopped",
*     "mounted"
* };
*/
```

and build the tools:

```
# rpm -iv --rebuild vzprocps-2.0.11-6.12.swsoft.src.rpm
```

Subject: Re: Top Patch exists?
Posted by [dev](#) on Mon, 23 Oct 2006 07:47:40 GMT
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when running top, press e (or E, don't remember)

Subject: Re: Top Patch exists?
Posted by [dev](#) on Mon, 23 Oct 2006 07:48:55 GMT
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It is a bug in built RPM :/ does it prevent you from using these tools?

Subject: Re: Top Patch exists?

Posted by [mckayfer](#) on Mon, 23 Oct 2006 10:18:00 GMT

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Actually yes!

Would be great if you can fix it, as fast as possible.

I need it for the University and have a Deadline on Friday.

Thanks so far

Subject: Re: Top Patch exists?

Posted by [dev](#) on Mon, 23 Oct 2006 10:35:37 GMT

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<http://download.openvz.org/contrib/utils/vzprocps-2.0.11-6.1.3.swsoft.i386.rpm>

Subject: Re: Top Patch exists?

Posted by [curx](#) on Mon, 23 Oct 2006 15:04:56 GMT

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Hi dev,

the problem is, that vztop cannot filter the top stats through any commands:

Print a additional VEID column:

vztop -e

brings up: (as a example)

[...]

PID	USER	PRI	NI	SIZE	RSS	SHARE	VEID	STAT	%CPU	%MEM	TIME	CPU	COMMAND
28912	root	16	0	1516	520	452	N/A S	0.0	0.0	0:00	0	init	
29114	root	16	0	1568	540	440	N/A S	0.0	0.0	0:00	0	syslogd	
29240	Debian-e	16	0	4436	892	668	N/A S	0.0	0.0	0:00	0	exim4	
29248	root	20	0	3476	884	652	N/A S	0.0	0.0	0:00	0	sshd	
29251	root	16	0	1764	644	532	N/A S	0.0	0.0	0:00	0	cron	
14669	root	16	0	1548	528	448	N/A S	0.0	0.0	0:00	0	inetd	
8462	root	16	0	10212	496	332	N/A S	0.0	0.0	0:00	0	vzctl	
8463	root	15	0	2568	1432	1152	N/A S	0.0	0.1	0:00	0	bash	
8468	root	16	0	3552	1868	1444	N/A S	0.0	0.1	0:00	0	mc	
8470	root	15	0	2576	1468	1180	N/A S	0.0	0.1	0:00	0	bash	
8524	root	17	0	2084	1120	824	N/A R	0.0	0.1	0:00	0	vztop	

you can see the N/A fields, should be the VEID ...

That's the problem,

and

Filter top-stat of <VEID> only!

```
# vztop -E <VEID>
```

print only the headers, no processes,

but

```
# vzps -E <VEID> axf
```

Show correctly the VEID field!

VEID	PID	TTY	STAT	TIME	COMMAND
902	28912	?	S	0:00	init [2]
902	29114	?	S	0:00	/sbin/syslogd
902	29240	?	S	0:00	/usr/sbin/exim4 -bd -q30m
902	29248	?	S	0:00	/usr/sbin/sshd
902	29251	?	S	0:00	/usr/sbin/cron
902	14669	?	S	0:00	/usr/sbin/inetd

Subject: Re: Top Patch exists?

Posted by [curx](#) on Tue, 24 Oct 2006 18:54:10 GMT

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Hi,

for debian, precrated vzprocps can be downloaded:

i386:

http://debian.systs.org/pool/openvz-test/v/vzprocps/vzprocps_2.0.11-1dso1_i386.deb

amd64:

http://debian.systs.org/pool/openvz-test/v/vzprocps/vzprocps_2.0.11-1dso1_amd64.deb
