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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

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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>

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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  
-fwritable-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 -Wl,-warn-common -o top top.o proc/libproc.a proc/libproc.a -lncurses
```

```
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)

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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 COMMAN  
1 root   16  0 2656 536 456  N/A S   0.0 0.0 0:00 0 init  
[...]
```

Thanks!

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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 vzprocs...  
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!

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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
```

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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)

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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 grat if you can fix it, as fast as possible.

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

Thanks so far

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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>

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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

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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/opensvz-test/v/vzprocps/vzprocps\\_2.0.11-1dso1\\_i386.deb](http://debian.systs.org/pool/opensvz-test/v/vzprocps/vzprocps_2.0.11-1dso1_i386.deb)

amd64:

[http://debian.systs.org/pool/opensvz-test/v/vzprocps/vzprocps\\_2.0.11-1dso1\\_amd64.deb](http://debian.systs.org/pool/opensvz-test/v/vzprocps/vzprocps_2.0.11-1dso1_amd64.deb)