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Subject: Re: Process in OpenVZ.  
Posted by [Rene](#) on Thu, 06 Oct 2011 08:44:46 GMT  
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Yes this is on 2.6.32-042stab037.1, Scientific Linux 6.1.

> Anyway, looks like vzprocs would need a bit of love & attention

Absolutely! I can't understand how this tool has not been updated for years. It should be a cornerstone in managing an OpenVZ server!

Another tool I REALLY miss from Virtuozzo is vzstat or something similar showing a list with the load of each container on a hardware node, like below. Actually it could probably be improved a lot, but a tool that would just show the important key values like CPU, memory, IO, loadavg for starters would be really cool.

```
11:38am, up 382 days, 5:21, 1 user, load average: 3.59, 3.87, 4.35
CTNum 24, procs 1699: R 4, S 1687, D 5, Z 3, T 0, X 0
CPU [ OK ]: CTs 100%, CT0 0%, user 42%, sys 58%, idle 0%, lat(ms) 371/49
Mem [ OK ]: total 12160MB, free 465MB/5MB (low/high), lat(ms) 1/0
Swap [ OK ]: tot 3961MB, free 3944MB, in 0.000MB/s, out 0.000MB/s
Net [ OK ]: tot: in 0.000MB/s 0pkt/s, out 0.000MB/s 0pkt/s
Disks [ OK ]: in 0.000MB/s, out 147.703MB/s
```

CTID	ST	%VM	%KM	PROC	CPU	SOCK	FCNT	MLAT	IP
1	OK	1.2/-	0.2/-	0/89/MAX	0.01/2.5	68/MAX	0	3	192.168.40.239
303	OK	2.3/-	0.5/-	0/75/MAX	3.05/3.3	78/MAX	0	11	xx.yy.251.73
305	OK	2.3/-	0.9/-	2/87/MAX	19.0/5.6	109/MAX	0	371	xx.yy.158.189
307	OK	2.5/-	0.3/-	0/36/MAX	0.00/3.3	19/MAX	0	0	xx.yy.251.70
310	OK	0.5/-	0.1/-	0/31/MAX	0.00/4.4	18/MAX	0	1	xx.yy.158.185
318	OK	1.8/-	0.4/-	0/62/MAX	11.9/4.4	70/MAX	0	1	xx.yy.144.18
401	OK	4.6/-	0.5/-	0/83/MAX	0.07/5.6	65/MAX	0	3	xx.yy.216.146
402	OK	1.2/-	0.2/-	0/45/MAX	0.01/4.4	22/MAX	0	1	xx.yy.144.23
403	OK	1.2/-	0.3/-	0/65/MAX	0.03/3.3	58/MAX	0	1	xx.yy.144.29
406	OK	3.7/-	0.4/-	0/92/MAX	0.02/5.6	95/MAX	0	1	xx.yy.144.27
407	OK	0.9/-	0.3/-	0/69/MAX	0.03/3.3	54/MAX	0	1	xx.yy.144.15
409	OK	2.7/-	0.3/-	0/74/MAX	0.12/4.4	55/MAX	0	3	xx.yy.144.25
410	OK	1.5/-	0.3/-	0/57/MAX	0.02/3.3	53/MAX	0	1	xx.yy.144.7
414	OK	2.0/-	0.3/-	0/57/MAX	0.00/4.4	43/MAX	0	1	xx.yy.251.66
417	OK	1.3/-	0.3/-	0/55/MAX	0.00/4.4	49/MAX	0	37	xx.yy.144.12
418	OK	0.5/-	0.1/-	0/36/MAX	0.00/2.1	27/MAX	0	0	xx.yy.158.163
423	OK	4.1/-	0.5/-	0/120/MAX	0.02/5.6	144/MAX	0	4	xx.yy.144.28
425	OK	1.3/-	0.2/-	0/43/MAX	0.02/2.1	44/MAX	0	1	xx.yy.144.4
426	OK	0.9/-	0.3/-	0/64/MAX	0.02/2.1	46/MAX	0	0	xx.yy.144.6
427	OK	1.7/-	0.3/-	0/72/MAX	0.00/4.4	57/MAX	0	1	xx.yy.158.173
428	OK	2.2/-	0.3/-	0/67/MAX	0.61/5.6	50/MAX	0	6	xx.yy.216.147
430	OK	0.3/-	0.2/-	0/37/MAX	0.00/4.4	22/MAX	0	0	xx.yy.158.188

```
431 OK 0.1/- 0.1/- 0/19/MAX 0.00/2.1 13/MAX 0 1 xx.yy.251.75
432 OK 1.5/- 0.3/- 0/59/MAX 0.00/8.9 82/MAX 0 7 xx.yy.158.180
```

I hacked up this quick-n-dirty script that produce a usable output, even if it ain't too pretty:

```
#
clear
while true
do
tput cup 0 0
top -cbn1 | head -12
echo
for x in `vzlist -o veid -H`; do /bin/echo "$x: `vzctl exec $x cat /proc/loadavg `"; done
echo
iostat -dmN | grep -v ^sd
sleep 10
done
```

You might need to change the iostat line depending on your disks and configuration.

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