
Subject: Re: Dstat plugin for OpenVZ CPU statistics
Posted by [jbravo](#) on Sat, 14 Oct 2006 15:43:04 GMT
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Hi Dag,

Good work, its great.

> Hi,
>
> I've just written a small dstat plugin to monitor CPU usage per VE. You
> can find the plugin in the dstat subversion repository linked from:
>
> <http://dag.wieers.com/home-made/dstat/>
>
> Dstat is much like vmstat, but modular and versatile. So you can extend it
> with whatever counters you want to visualize, next to other counters. This
> helps to relate counters and find/troubleshoot bottlenecks.
>
> This plugin can help to find the most consuming VE, or visualize how VE's
> are matching up to each other (and the system CPU usage).
>
> I don't know whether the nice-value in /proc/vz/vestat is ever used (maybe
> I shouldn't add it in the list of counters).
>
> I also don't know what other information in /proc/vz would be interesting
> to visualize (over a timeframe). I'm willing to add more plugins in dstat
> for openvz if I know how to make more sense of the current counters (and
> their usefulness). Feedback from developers welcome :)
>
> Visually it looks like this (without colors though):
>
> [root@itmphys01 dstat]# ./dstat -M cpu,vz -f 5
> Module dstat_vz is still experimental.
> -----cpu0-usage-----cpu1-usage----- --ve-301-usage----ve-302-usage-
> usr sys idl wai hiq siq:usr sys idl wai hiq siq|usr sys idl nic:usr sys idl nic
> 0 0 99 0 0 0: 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 25 15 50 10 0 0: 1 1 76 22 0 1| 26 15 60 0: 0 0 100 0
> 31 18 12 40 0 0: 2 2 70 25 0 1| 33 19 49 0: 0 0 100 0
> 16 14 35 35 0 0: 0 1 53 46 0 0| 16 14 70 0: 0 0 100 0
> 5 5 59 30 0 0: 16 28 30 26 0 0| 20 32 47 0: 0 0 100 0
> 0 0 100 0 0 0: 3 5 88 5 0 0| 2 5 93 0: 0 0 100 0
> 0 0 98 1 0 0: 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 100 0 0 0: 0 0 98 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 96 4 0 0: 0 3 97 0 0 0| 0 0 100 0: 0 0 100 0

```
>
> [root@itmpphys01 dstat]# ./dstat -M cpu,vz -C total -f 5
> Module dstat_vz is still experimental.
> ----total-cpu-usage---- --ve-301-usage----ve-302-usage-
> usr sys idl wai hiq siq|usr sys idl nic:usr sys idl nic
> 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 97 2 0 0| 0 0 100 0: 0 0 100 0
> 19 12 61 8 0 0| 37 23 40 0: 0 0 100 0
> 12 8 41 38 0 0| 25 15 61 0: 0 0 100 0
> 14 14 35 37 0 0| 28 26 46 0: 0 0 100 0
> 4 10 84 3 0 0| 7 20 73 0: 0 0 100 0
> 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 99 1 0 0| 0 0 100 0: 0 0 100 0
> 0 0 100 0 0 0| 0 0 100 0: 0 0 100 0
>
> All feedback welcomed.
>
> Kind regards,
> -- dag wieers, dag@wieers.com, http://dag.wieers.com/ --
> [all I want is a warm bed and a kind word and unlimited power]
```
