
Subject: kvzstat - command line tool for measuring CPU and memory statistics

Posted by [KoolK](#) on Fri, 16 Nov 2007 19:48:52 GMT

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Hi all,

I have created a command line tool, which gives CPU and memory statistics for each VE in hardware node. It is available at

<http://sourceforge.net/projects/kvzstat/>

The output looks like:

CPU Usage:

| VE ID | USer % | Nice % | System % | Idle % |
|-------|--------|--------|----------|--------|
| 2000 | 0.00 | 0.00 | 0.00 | 100.00 |
| 1001 | 99.49 | 0.00 | 0.51 | 0.00 |

Memory Usage:

| VE ID | nonguar | guar | kernel | RAM | SWAP | used(%) | free(%) |
|-----------|------------------|----------|--------|--------|--------|---------------|---------|
| failcount | | | | | | | |
| 2000 | 192.00MB | 192.00MB | 0.87MB | 7.25MB | 0.00MB | 7.25MB(3.78%) | |
| | 184.75MB(96.22%) | 0 | | | | | |
| 1001 | 192.00MB | 192.00MB | 0.95MB | 7.34MB | 0.00MB | 7.34MB(3.82%) | |
| | 184.66MB(96.18%) | 0 | | | | | |

Usage:

kvzstat -d delay -n iteration -f filename -v veid -m(for only memory) -c(for only cpu) -s (for summary)

Have a try and let me know what improvement can be done to make it more useful.

I wanted to add average cpu latency but I get all latency values in my /proc/vz/vestat file as 0. I am not able to find the way to get non zero values of latency and numsched fields.

next thing which I have thought of is to integrate it with GNUPlot to give output in graph format.

All suggestions are welcome....

Thanks,
Khyati

Subject: Re: kvzstat - command line tool for measuring CPU and memory statistics

Posted by [curx](#) on Sat, 17 Nov 2007 10:29:04 GMT

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Hi,

on build some error occurred, so fixed:

- removed the *.o and precompiled kvzstat on src code.
- fixed Makefile so make clean works

File Attachments

1) [diff-kvzstat-20071117.patch](#), downloaded 253 times

Subject: Re: kvzstat - command line tool for measuring CPU and memory statistics
Posted by [powervps](#) on Wed, 12 Dec 2007 16:17:47 GMT

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Thx you how can run ?

Subject: Re: kvzstat - command line tool for measuring CPU and memory statistics
Posted by [ugob](#) on Wed, 12 Dec 2007 20:17:34 GMT

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Hi,

This sounds like a nice project .

A little bit of documentation would be appreciated...

When running the binary, I get this error:

```
./kvzstat: /lib/tls/libc.so.6: version `GLIBC_2.4' not found (required by ./kvzstat)
```

Assuming I must use "make" to compile, I removed the binary and ran 'make' and got this error message:

```
g++ -o kvzstat main.o VPS_cpuinfo.o VPS_meminfo.o
make: g++: Command not found
make: *** [kvzstat] Error 127
```

I tried to find where I could find g++, in vain.

Running CentOS4

Regards,
Ugo

Subject: Re: kvzstat - command line tool for measuring CPU and memory statistics
Posted by [tomp](#) on Wed, 12 Dec 2007 21:19:30 GMT
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Nice program

However in the fail count column it shows "202" for every VE, however only 1 VE has a total fail count of 202.
