
Subject: Strange top %us values on 55.10 kernel
Posted by [lazy](#) on Wed, 06 Jun 2012 10:37:28 GMT
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on containers inside 2.6.32-042stab055.10 kernel most of the time %id is 0%, it doesn't make a difference that load is 0

outside %id %us and %sy values look normal

it seems that machines are getting their share of cpu (openssl speed runs as expected)

```
top - 12:20:00 up 11 days, 9:18, 0 users, load average: 0.00, 0.01, 0.06
Tasks: 30 total, 1 running, 29 sleeping, 0 stopped, 0 zombie
Cpu0  : 92.4%us, 7.6%sy, 0.0%ni, 0.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Cpu1  : 91.3%us, 8.7%sy, 0.0%ni, 0.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Cpu2  : 89.9%us, 10.1%sy, 0.0%ni, 0.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Cpu3  : 88.7%us, 11.3%sy, 0.0%ni, 0.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 2621840k total, 2561584k used, 60256k free, 0k buffers
Swap: 0k total, 0k used, 0k free, 1194520k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|-----|--------|----|----|-------|------|------|---|------|------|----------|--------------|
| 1 | root | 20 | 0 | 1988 | 632 | 536 | S | 0 | 0.0 | 0:07.23 | init |
| 2 | root | 20 | 0 | 0 | 0 | 0 | S | 0 | 0.0 | 0:00.00 | kthreadd/548 |
| 3 | root | 20 | 0 | 0 | 0 | 0 | S | 0 | 0.0 | 0:00.00 | khelper/548 |
| 362 | daemon | 20 | 0 | 1772 | 460 | 356 | S | 0 | 0.0 | 0:00.00 | portmap |
| 374 | statd | 20 | 0 | 1832 | 620 | 516 | S | 0 | 0.0 | 0:00.00 | rpc.statd |
| 453 | root | 20 | 0 | 29044 | 1240 | 808 | S | 0 | 0.0 | 0:34.46 | rsyslogd |
| 467 | root | 20 | 0 | 5280 | 872 | 516 | S | 0 | 0.0 | 0:03.79 | sshd |
| 507 | root | 20 | 0 | 2704 | 1232 | 1004 | S | 0 | 0.0 | 0:00.00 | mysqld_safe |
| 544 | mysql | 20 | 0 | 237m | 109m | 2840 | S | 0 | 4.3 | 91:31.54 | mysqld |
| 545 | root | 20 | 0 | 1636 | 532 | 456 | S | 0 | 0.0 | 0:00.00 | logger |

even if container is doing absolutely nothing top shows 90% + user utilization, this doesn't seem right

on rhel5 based kernels total cpu utilization numbers reflected the sum of cpu utilization and %id reflected free cpu

is this reflecting some change in cpu usage reporting inside the containers or is it a bug?

vps config follows

```
CPULIMIT="100"  
PHYSPAGES="0:321536"  
NUMIPTENT="200"  
CPUUNITS="29153"  
NOATIME="yes"  
CPUS="4"  
SWAPPAGES="0"
```

thanks in advance for any answers

Regards,
Michal Grzedzicki

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [disaster](#) on Wed, 06 Jun 2012 18:21:26 GMT
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I see the same on 055.12

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [disaster](#) on Wed, 06 Jun 2012 18:28:04 GMT
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But i also see this with 053.10

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [disaster](#) on Sun, 10 Jun 2012 21:11:30 GMT
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This is fixed with 042stab056.11

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [lazy](#) on Tue, 12 Jun 2012 05:04:00 GMT
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thank You for the information,
but on 56.11 idle is still almost all the time 0%

```
top - 07:02:01 up 1:18, 0 users, load average: 0.04, 0.03, 0.00
Tasks: 26 total, 1 running, 25 sleeping, 0 stopped, 0 zombie
Cpu(s):100.0%us, 0.0%sy, 0.0%ni, 0.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 4294967292k total, 175132k used, 4294792160k free, 0k buffers
Swap: 0k total, 0k used, 0k free, 113240k cached
```

| PID | USER | PR | NI | VIRT | RES | SHR | S | %CPU | %MEM | TIME+ | COMMAND |
|------|----------|----|----|-------|------|------|---|------|------|---------|---------|
| 1350 | www-data | 20 | 0 | 39104 | 8472 | 3236 | S | 0 | 0.0 | 0:03.72 | apache2 |
| 1482 | www-data | 20 | 0 | 39104 | 8332 | 3288 | S | 0 | 0.0 | 0:01.12 | apache2 |
| 1483 | www-data | 20 | 0 | 39104 | 8648 | 3244 | S | 0 | 0.0 | 0:02.47 | apache2 |
| 1510 | www-data | 20 | 0 | 39104 | 8192 | 3180 | S | 0 | 0.0 | 0:00.99 | apache2 |

Regards,
Michal Grzedzicki

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [disaster](#) on Tue, 12 Jun 2012 06:19:59 GMT
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Just checked my VPS again and they're fine now. Do you run a custom kernel build or the official releases?

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [lazy](#) on Tue, 12 Jun 2012 06:32:46 GMT
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I'm running a custom build kernel config attached,

I have rechecked it and now top is switching from

100%us 0%id to 0%us 100%id

File Attachments

1) [cfg](#), downloaded 334 times

Subject: Re: Strange top %us values on 55.10 kernel
Posted by [disaster](#) on Tue, 12 Jun 2012 06:35:57 GMT
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perhaps you should try with an original config
