
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 206 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
