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 dosn't make a difrence that load is 0

outside %id %us and %sy values look normal

it seems that machines are getting there 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 427 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