
Subject: Re: poor performance in openvz kernels...
Posted by [hzqbbc](#) on Sun, 01 Nov 2009 14:34:33 GMT
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This post is very old (May 2007) but we still encounter the performance problem.

Unixbench-4.1.0-wht-2 result different from 2.6.18-128.2.1.el5.028stab064.7 and 2.6.18-128.el5 (standard RHEL5 kernel), the difference is huge.

After searching openvz forum, i think i'm closing to the answer, but not sure, the huge perf loss may due to openvz UBC accounting.

So my question is *WHEN* openvz dev team will fix this problem? dev said he would release new kernel to archive better perf but i try the latest 2.6.18-128.2.1.el5 (stab064.7) and got no improvement.

My bench result:

```
=====
BYTE UNIX Benchmarks (Version 4.1-wht.2, 8 threads)
System -- Linux vz 2.6.18-128.el5 #1 SMP Wed Jan 21 10:41:14 EST 2009 x86_64 x86_64
x86_64 GNU/Linux
          65672880  3609080  58673952  6% /
```

End Benchmark Run: Mon Nov 2 06:18:21 CST 2009
06:18:21 up 13 min, 2 users, load average: 31.71, 12.44, 5.31

INDEX VALUES			
TEST	BASELINE	RESULT	INDEX
Dhrystone 2 using register variables	376783.7	36719630.6	974.6
Double-Precision Whetstone	83.1	1298.6	156.3
Execl Throughput	188.3	20191.8	1072.3
File Copy 1024 bufsize 2000 maxblocks	2672.0	177441.0	664.1
File Copy 256 bufsize 500 maxblocks	1077.0	43517.0	404.1
File Read 4096 bufsize 8000 maxblocks	15382.0	1771809.0	1151.9
Pipe-based Context Switching	15448.6	2739102.5	1773.0
Pipe Throughput	111814.6	11210018.3	1002.6
Process Creation	569.3	64281.4	1129.1
System Call Overhead	114433.5	19818827.5	1731.9
=====			
FINAL SCORE		840.3	

```
=====
BYTE UNIX Benchmarks (Version 4.1-wht.2, 8 threads)
```

System -- Linux vz 2.6.18-128.2.1.el5.028stab064.7 #1 SMP Wed Aug 26 15:47:17 MSD 2009
x86_64 x86_64 x86_64 GNU/Linux
65672880 3648024 58635008 6% /

Start Benchmark Run: Mon Nov 2 06:22:56 CST 2009
06:22:56 up 1 min, 1 user, load average: 2.20, 0.88, 0.32

End Benchmark Run: Mon Nov 2 06:33:02 CST 2009
06:33:02 up 11 min, 2 users, load average: 27.90, 11.13, 4.73

INDEX VALUES			
TEST	BASELINE	RESULT	INDEX
Dhrystone 2 using register variables	376783.7	36500265.7	968.7
Double-Precision Whetstone	83.1	1295.2	155.9
Execl Throughput	188.3	3618.3	192.2
File Copy 1024 bufsize 2000 maxblocks	2672.0	167840.0	628.1
File Copy 256 bufsize 500 maxblocks	1077.0	41757.0	387.7
File Read 4096 bufsize 8000 maxblocks	15382.0	1752507.0	1139.3
Pipe-based Context Switching	15448.6	2243795.1	1452.4
Pipe Throughput	111814.6	14018287.3	1253.7
Process Creation	569.3	9315.9	163.6
Shell Scripts (8 concurrent)	44.8	1147.4	256.1
System Call Overhead	114433.5	20733248.3	1811.8
=====			
FINAL SCORE	538.9		