Subject: RHEL6 - IO priority not working ?
Posted by VE4FUN on Wed, 28 Sep 2011 12:57:30 GMT
View Forum Message <> Reply to Message

Hello,

I did some tests with 2.6.32-042stab037.1 kernel and it looks that IO priority has no impact on disk write operations.

2 identical VE on same disk (block device), one with IO priority 0 and other with IO priority 7. Results are pretty the same for both VE.

root@vps6:/# for i in 1 2 3 4 5; do dd if=/dev/zero of=test bs=64k count=32k conv=fdatasync; done
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 91.7144 s, 23.4 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 70.1665 s, 30.6 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 123.251 s, 17.4 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 93.4022 s, 23.0 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 126.531 s, 17.0 MB/s

root@vps7:/# for i in 1 2 3 4 5; do dd if=/dev/zero of=test bs=64k count=32k conv=fdatasync; done
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 98.4753 s, 21.8 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 125.971 s, 17.0 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 115.74 s, 18.6 MB/s
32768+0 records in
32768+0 records out
2147483648 bytes (2.1 GB) copied, 110.097 s, 19.5 MB/s
32768+0 records in
32768+0 records out

2147483648 bytes (2.1 GB) copied, 95.8683 s, 22.4 MB/s

am I doing something wrong ?

Subject: Re: RHEL6 - IO priority not working ?
Posted by txqzr4 on Thu, 29 Sep 2011 07:26:33 GMT
View Forum Message <> Reply to Message

The cgroups blkio controller is not working either, perhaps this is related?

Subject: Re: RHEL6 - IO priority not working ?
Posted by raver119 on Thu, 29 Sep 2011 11:23:54 GMT
View Forum Message <> Reply to Message

Have you tried to switch scheduler to deadline or noop?

Subject: Re: RHEL6 - IO priority not working ?
Posted by VE4FUN on Thu, 29 Sep 2011 11:37:37 GMT
View Forum Message <> Reply to Message

From OpenVZ wiki page about IO priorities.

"This feature is based on CFQ I/O scheduler, so this scheduler should be used for block device in question"

I guess it can not work without CFQ scheduler.
