

Linux - How to perform I/O performance test with dd command

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Question : How to perform I/O performance test in Linux to find r/w speed?

Answer : It can be achieved using dd command.

Example to test write speed :

1. Go to the directory location where you want to perform the test.

```
[root@server ~]# cd /dir
```

2. Run dd command below.

```
[root@server ~]# dd if=/dev/zero of=dd.data bs=4k count=200000 conv=fsync
200000+0 records in
200000+0 records out
819200000 bytes (819 MB) copied, 8.47374 seconds, 96.7 MB/s
```

```
[root@server ~]# ls -la
total 801588
drwxr-xr-x 2 root root 4096 Oct 22 12:51 .
drwxr-x--- 5 root root 8192 Oct 22 12:51 ..
-rw-r--r-- 1 root root 819200000 Oct 22 12:51 dd.data
```

Example to test read speed :

```
[root@server ~]# time dd if=/path/to/bigfile of=/dev/null bs=8k
```

if = name of input file

of = name of output file

bs = size of block

count = number of block

conv = fsync - flush data at the end of the copy

dsync - flush data after every block of the copy

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