

# Calculate hdisk READ / WRITE throughput (sequential IO) from AIX systems

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Do you know the throughput of your disks? This time we're going to calculate read / write throughput of hdisks from an AIX system.

- Let's create a file for this test.

```
1  
[root@aix:/] lptest 127 32 > /tmp/file
```

```
1  
[root@aix:/] ls -ltr /tmp/file  
2  
-rw-r----- 1 root  system  4096 Feb 07 16:22  
/tmp/file
```

- Let's make a sequential WRITE test.

```
1  
[root@aix:/] timex dd if=/dev/zero of=/tmp/file  
2  
bs=1m count=1000
```

```
3          1000+0 records in.
4          1000+0 records out.
5
6          real 2.96
7          user 0.00
           sys  1.67
```

- Now divide 2014 / “real” number to get MB/s throughput.  
In this example:

```
1          1024 MB / 2.96 s = 345 MB/s
```

**WRITE throughput is 345 MB/s**

- Let’s make a sequential READ test.

```
1          [root@aix:/] timex dd if=/dev/rhdisk3 of=/dev/null
2          bs=1m count=1024
3          2048+0 records in.
4          2048+0 records out.
```

```
5
6          real 4.83
7          user 0.00
           sys 0.32
```

- Now divide 2014 / “real” number to get MB/s throughput.  
In this example:

```
1          1024 MB / 4.83 s = 212 MB/s
```

**READ throghput is 345 MB/s**

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