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.

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

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

- Let's make a sequential WRITE test.

```
[root@aix:/]  timex dd if=/dev/zero of=/tmp/file 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 throghput 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