

HDD check for badblocks

HDD checking should be done occasionally. This example performs DESTRUCTIVE WRITE TO DISK. Thus disk should be always emptied, before check. Test lasts few hours per 1TiB.

1) make sure of device name

```
#lsblk
```

2) check device sector size

```
#lsblk -o NAME,PHY-SEC
```

3) test **empty drive** with 1GiB buffer (default blocksize is 512B, 1GiB/512B=2097152 allocated buffer)

```
#sudo badblocks -svw -b 512 -c 2097152 /dev/sdX > badsectors.txt
```

4) check SMART disk status

```
#sudo smartctl -H /dev/sdX
```

5a) include badblocks in ext2/3/4 file system:

```
#sudo e2fsck -l badsectors.txt /dev/sdX
```

5b) include badblocks in other file systems:

```
#sudo fsck -l badsectors.txt /dev/sdX
```