

EXT4

Determine FS block size

```
# tune2fs -l /dev/mapper/sdb5 | grep Block
Block count:          242871296
Block size:           4096
Blocks per group:     32768
```

Try to read bad sector:

```
hdparm --read-sector 965009739 /dev/sda
```

Write sector with zeros:

```
hdparm --yes-i-know-what-i-am-doing --repair-sector 965009739 /dev/sda
```

ext4 on LUKS

```
cryptsetup luksDump /dev/sdb5
```

```
Version:          1
Cipher name:      aes
Cipher mode:      cbc-plain64
Hash spec:        sha512
```

```
# cryptsetup status /dev/mapper/sdb5
/dev/mapper/sdb5 is active.
  type:    LUKS1
  cipher:  aes-cbc-plain64
  keysize: 128 bits
  device:  /dev/sdb5
  offset:  2048 sectors
  size:    1942970368 sectors
  mode:    read/write
```

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