

Firmware Update

View Current Versions

Component Name	Version	Date and Time
BIOS	2.8.0	2018-09-11 05:12:07
BP13G+ 0:1	2.25	2018-09-11 05:12:35
Diagnostics	0	2018-09-11 05:12:02
Integrated Dell Remote Access Controller	2.60.60.60	2018-09-11 05:11:57
Intel(R) Gigabit 4P I350-t rNDC - EC:F4:BB:DB:78:C4	18.5.17	2018-09-11 05:12:31
Intel(R) Gigabit 4P I350-t rNDC - EC:F4:BB:DB:78:C5	18.5.17	2018-09-11 05:12:32
Intel(R) Gigabit 4P I350-t rNDC - EC:F4:BB:DB:78:C6	18.5.17	2018-09-11 05:12:33
Intel(R) Gigabit 4P I350-t rNDC - EC:F4:BB:DB:78:C7	18.5.17	2018-09-11 05:12:34
Lifecycle Controller	2.60.60.60	2018-09-11 05:12:02
OS COLLECTOR 1.0, OSC_1.0, X23-00	OSC_1.0	2018-09-11 05:12:02
OS Drivers Pack	0	2018-09-11 05:12:02
PERC H730 Mini	25.5.4.0006	2018-09-11 05:12:34
Power Supply.Slot:1	00.24.6D	2018-09-11 05:11:56
Power Supply.Slot:2	00.24.6D	2018-09-11 05:11:56



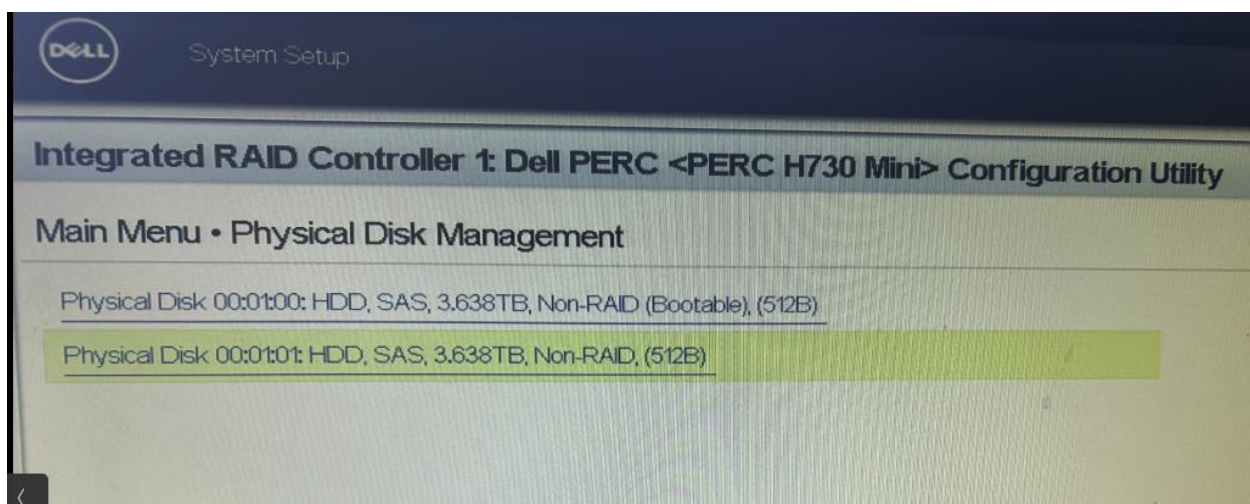
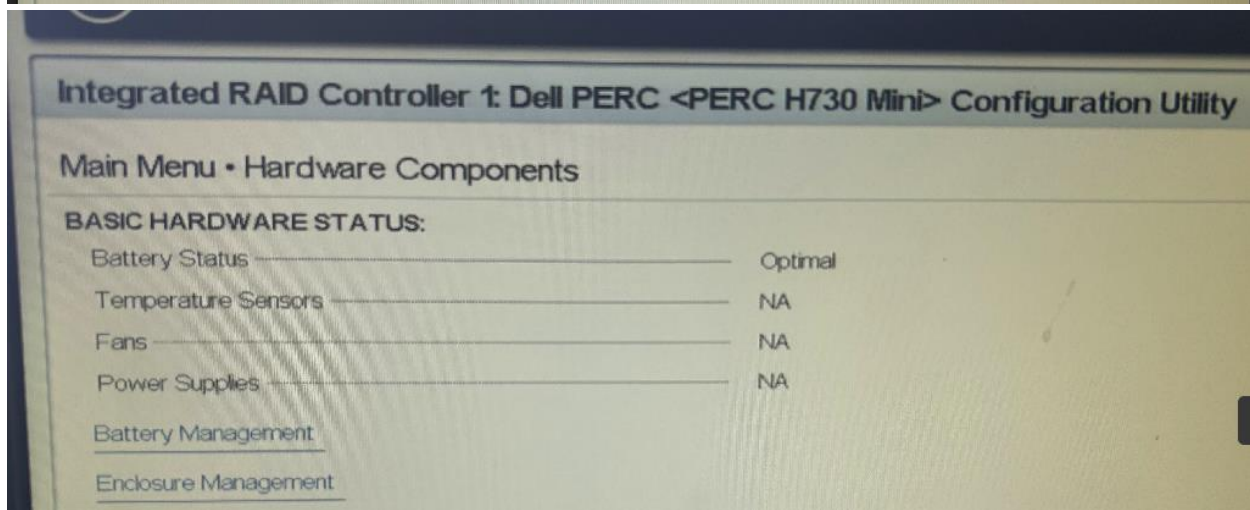
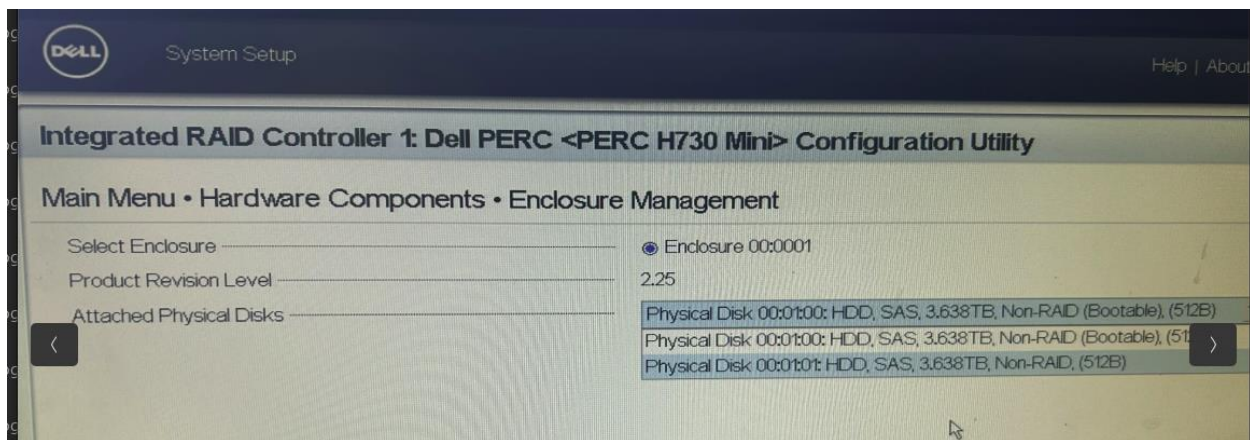
System Setup

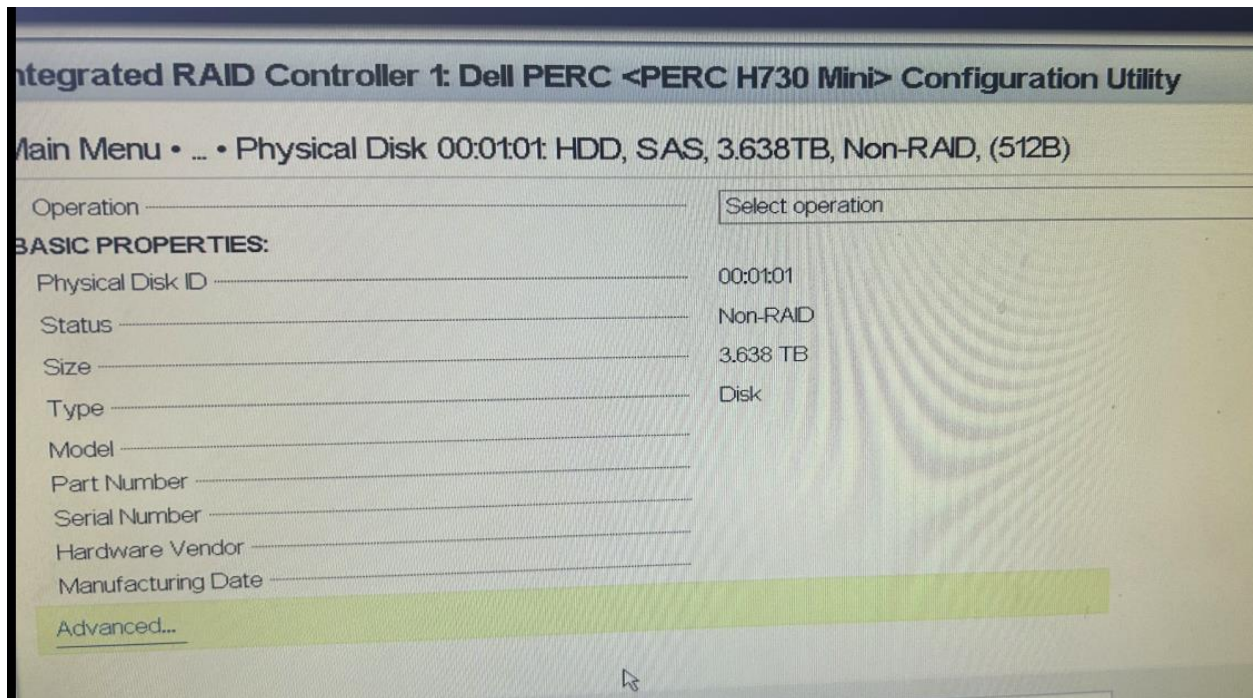
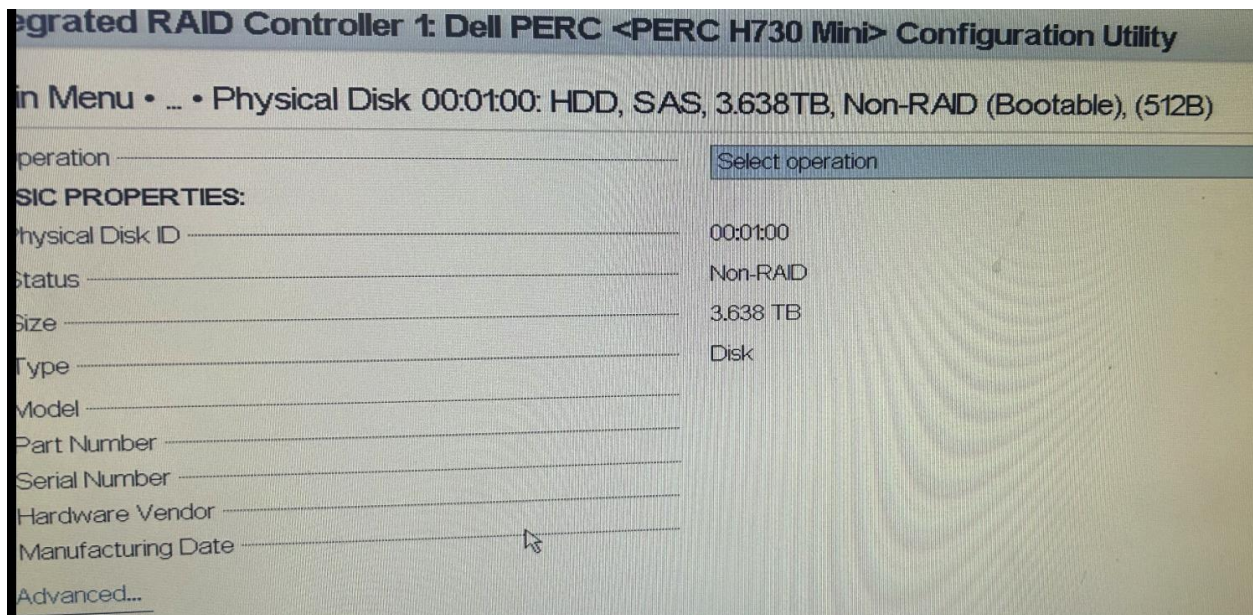
Help | About | Exit

Integrated RAID Controller 1: Dell PERC <PERC H730 Mini> Configuration Utility

Main Menu • Controller Management

Product Name	PERC H730 Mini
Serial Number	55C03DK
Controller Status	Optimal
Select Boot Device	Physical Disk 00:01:00: HDD, SAS, 3.638TB, Non-RAID (Bootable), (512B)
PCI ID	0x1000 0x005D 0x1028 0x1F49
PCI Slot Number	Integrated
Package Version	25.5.4.0006
Firmware Version	4.280.00-8186
NVDATA Version	3.1511.00-0028
Controller Mode	RAID
Connector Count	2
Physical Disk Count	2





The below is from trying to run fdisk (left side list out, right side attempt at just writing a label)

```
phantom 0 2 ssh
moonkev@phantom ssh root@192.168.50.199
root@192.168.50.199's password:
Linux pve 6.5.11-4-pve #1 SMP PREEMPT_DYNAMIC PMX 6.5.11-4 (2023-11-20T10:19Z) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Feb 28 07:46:44 2025 from 192.168.50.201
root@pve:~# fdisk -l
Disk /dev/sda: 3.64 TiB, 400078030016 bytes, 7814037168 sectors
Disk model: DK52E-H4R0SS
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
GPT PMBR size mismatch (155189247 != 156301487) will be corrected by write.
The backup GPT table is not on the end of the device.

Disk /dev/sdb: 3.64 TiB, 400078030016 bytes, 7814037168 sectors
Disk model: DK52E-H4R0SS
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
GPT PMBR size mismatch (155189247 != 156301487) will be corrected by write.
The backup GPT table is not on the end of the device.

Disk /dev/sdc: 74.53 GiB, 80026361856 bytes, 156301488 sectors
Disk model: INTEL 5505C20800
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes
Disklabel type: gpt
Disk identifier: 918642C8-360F-4C02-81F3-CA155C263068

Device      Start      End  Sectors  Size Type
/dev/sdc1    34        2047      2014    1007K BIOS boot
/dev/sdc2   2048    1050623   1048576    512M EFI System
/dev/sdc3  1050624  155189214 154138591    73.5G Linux LVM

Partition 1 does not start on physical sector boundary.

Disk /dev/mapper/pve-swap: 0 GiB, 8589934592 bytes, 16777216 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes

Disk /dev/mapper/pve-root: 28.37 GiB, 30463229952 bytes, 59498496 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes
root@pve:~#

phantom 0 2 ssh
moonkev@phantom ssh root@192.168.50.199
root@192.168.50.199's password:
Linux pve 6.5.11-4-pve #1 SMP PREEMPT_DYNAMIC PMX 6.5.11-4 (2023-11-20T10:19Z) x86_64

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Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Feb 28 07:47:49 2025 from 192.168.50.201
root@pve:~# fdisk /dev/sda
Welcome to fdisk (util-linux 2.38.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
The size of this disk is 3.64 TiB (400078030016 bytes). DOS partition table format cannot be used on drives
larger than 2199023295680 bytes for 512-byte sectors. Use GUID partition table format (GPT).

Created a new DOS (MBR) disklabel with disk identifier 0xc4367ad.

Command (m for help): p
Disk /dev/sda: 3.64 TiB, 400078030016 bytes, 7814037168 sectors
Disk model: DK52E-H4R0SS
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xc4367ad

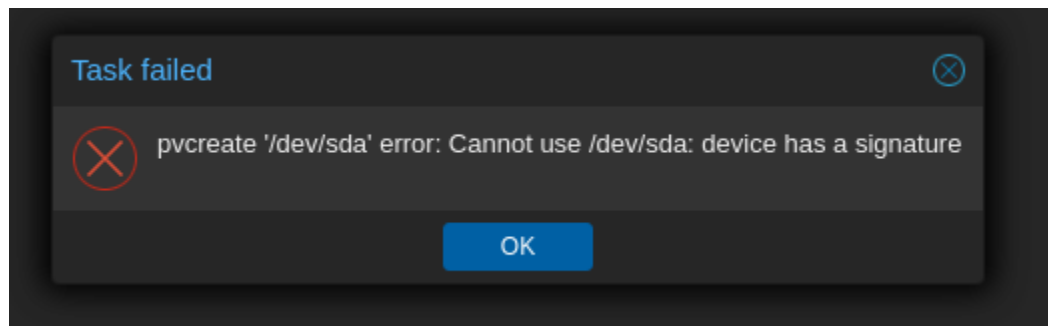
Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
/dev/sda: sync device failed: Input/output error

root@pve:~#
```

Below is an attempt with parted to create a label

```
0 2 ssh
root@pve:~# parted /dev/sda
GNU Parted 3.5
Using /dev/sda
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) print
Error: /dev/sda: unrecognised disk label
Model: SEAGATE DKS2E-H4R0SS (scsi)
Disk /dev/sda: 4001GB
Sector size (logical/physical): 512B/512B
Partition Table: unknown
Disk Flags:
(parted) unit GB
(parted) mklabel msdos
Error: Input/output error during write on /dev/sda
Retry/Ignore/Cancel?
```

This is a shot from proxmox of just trying to create an LVM



Attempting to just zero out with dd and create some partitions. The dd seemed ok in my SSH session, however see below

```
root@pve:~# dd if=/dev/zero of=/dev/sda bs=1M count=10
10+0 records in
10+0 records out
10485760 bytes (10 MB, 10 MiB) copied, 2.52303 s, 4.2 MB/s
root@pve:~# parted /dev/sda
Warning: Error fsyncing/closing /dev/sda: Input/output error
Retry/Ignore? R
GNU Parted 3.5
Using /dev/sda
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) p
Error: /dev/sda: unrecognised disk label
Model: SEAGATE DKS2E-H4R0SS (scsi)
Disk /dev/sda: 4001GB
Sector size (logical/physical): 512B/512B
Partition Table: unknown
Disk Flags:
(parted) mktable gpt
Error: Input/output error during write on /dev/sda
Retry/Ignore/Cancel?
Retry/Ignore/Cancel? R
(parted) █
```


When I went to the console, the writes from DD were actually erroring out

```
[ 652.153401] Buffer I/O error on dev sda, logical block 2, lost async page write
[ 652.153733] I/O error, dev sda, sector 7814037144 op 0x1:(WRITE) flags 0x800 phys_seg 3 prio class 2
[ 652.153771] Buffer I/O error on dev sda, logical block 976754643, lost async page write
[ 652.153804] Buffer I/O error on dev sda, logical block 976754644, lost async page write
[ 652.153835] Buffer I/O error on dev sda, logical block 976754645, lost async page write
[ 652.345280] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x800 phys_seg 5 prio class 2
[ 652.345327] Buffer I/O error on dev sda, logical block 0, lost async page write
[ 652.345365] Buffer I/O error on dev sda, logical block 1, lost async page write
[ 652.345396] Buffer I/O error on dev sda, logical block 2, lost async page write
[ 652.345427] Buffer I/O error on dev sda, logical block 3, lost async page write
[ 652.345767] I/O error, dev sda, sector 7814037128 op 0x1:(WRITE) flags 0x800 phys_seg 5 prio class 2
[ 798.080039] I/O error, dev sda, sector 7814037144 op 0x1:(WRITE) flags 0x800 phys_seg 3 prio class 2
[ 798.080101] Buffer I/O error on dev sda, logical block 976754643, lost async page write
[ 798.080145] Buffer I/O error on dev sda, logical block 976754644, lost async page write
[ 798.080179] Buffer I/O error on dev sda, logical block 976754645, lost async page write
[ 798.080263] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x800 phys_seg 3 prio class 2
[ 798.080298] Buffer I/O error on dev sda, logical block 0, lost async page write
[ 798.080334] Buffer I/O error on dev sda, logical block 1, lost async page write
[ 798.080363] Buffer I/O error on dev sda, logical block 2, lost async page write
[ 798.220610] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x800 phys_seg 1 prio class 2
[ 798.220656] Buffer I/O error on dev sda, logical block 0, lost async page write
[ 916.165685] I/O error, dev sda, sector 7168 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.165740] Buffer I/O error on dev sda, logical block 896, lost async page write
[ 916.165785] Buffer I/O error on dev sda, logical block 897, lost async page write
[ 916.165815] Buffer I/O error on dev sda, logical block 898, lost async page write
[ 916.165844] Buffer I/O error on dev sda, logical block 899, lost async page write
[ 916.165873] Buffer I/O error on dev sda, logical block 900, lost async page write
[ 916.165901] Buffer I/O error on dev sda, logical block 901, lost async page write
[ 916.165929] Buffer I/O error on dev sda, logical block 902, lost async page write
[ 916.165957] Buffer I/O error on dev sda, logical block 903, lost async page write
[ 916.165985] Buffer I/O error on dev sda, logical block 904, lost async page write
[ 916.166012] Buffer I/O error on dev sda, logical block 905, lost async page write
[ 916.168656] I/O error, dev sda, sector 7680 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.176245] I/O error, dev sda, sector 4608 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.177364] I/O error, dev sda, sector 5120 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.186726] I/O error, dev sda, sector 5632 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.186885] I/O error, dev sda, sector 6144 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.187014] I/O error, dev sda, sector 6656 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.187139] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.187314] I/O error, dev sda, sector 512 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 916.195191] I/O error, dev sda, sector 12800 op 0x1:(WRITE) flags 0x4000 phys_seg 64 prio class 2
[ 994.693710] I/O error, dev sda, sector 7814037144 op 0x1:(WRITE) flags 0x800 phys_seg 3 prio class 2
[ 994.693771] Buffer I/O error on dev sda, logical block 976754643, lost async page write
[ 994.693814] Buffer I/O error on dev sda, logical block 976754644, lost async page write
[ 994.693847] Buffer I/O error on dev sda, logical block 976754645, lost async page write
[ 994.693911] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x800 phys_seg 3 prio class 2
[ 994.693944] Buffer I/O error on dev sda, logical block 0, lost async page write
[ 994.693980] Buffer I/O error on dev sda, logical block 1, lost async page write
[ 994.694010] Buffer I/O error on dev sda, logical block 2, lost async page write
[ 994.885203] I/O error, dev sda, sector 0 op 0x1:(WRITE) flags 0x800 phys_seg 5 prio class 2
[ 994.885241] Buffer I/O error on dev sda, logical block 0, lost async page write
[ 994.88623] Buffer I/O error on dev sda, logical block 1, lost async page write
[ 994.88629] Buffer I/O error on dev sda, logical block 2, lost async page write
[ 994.88633] Buffer I/O error on dev sda, logical block 3, lost async page write
```