

```
joe@it4100-a1-sample:~/mymounts$ echo "Lets fix a corrupt permission"
```

```
Lets fix a corrupt permission
```

```
joe@it4100-a1-sample:~/mymounts$ echo "First to break it!"
```

```
First to break it!
```

```
joe@it4100-a1-sample:~/mymounts$
```

joe@it4100-a1-sample: ~/mymounts

joe@it4100-a1-sample: ~/mymounts ×

joe@yavin: ~/s17/it4100 ×

```
joe@it4100-a1-sample:~/mymounts$ sudo debugfs -b 1024 /dev/sda5 -w
```

joe@it4100-a1-sample: ~/mymounts

joe@it4100-a1-sample: ~/mymounts ×

joe@yavin: ~/s17/it4100 ×

```
debugfs: stat file1.txt
```

```
debugfs: █
```

```
Inode: 12   Type: regular   Mode: 0644   Flags: 0x80000
Generation: 1747398615   Version: 0x00000001
User:      0   Group:      0   Size: 15
File ACL: 0   Directory ACL: 0
Links: 1   Blockcount: 2
Fragment:  Address: 0   Number: 0   Size: 0
ctime: 0x58825ac4 -- Fri Jan 20 11:45:24 2017
atime: 0x58825ac6 -- Fri Jan 20 11:45:26 2017
mtime: 0x58825ac4 -- Fri Jan 20 11:45:24 2017
EXTENTS:
(0):8452
(END)
```

```
joe@it4100-a1-sample:~/mymounts$ ls -l d1/file1.txt
```

```
-rw-r--r-- 1 root root 15 Jan 20 11:45 d1/file1.txt
```

```
joe@it4100-a1-sample:~/mymounts$ echo "Here are the current permissions"
```

```
Here are the current permissions
```

```
joe@it4100-a1-sample:~/mymounts$ █
```

```
debugfs: mi file1.txt
```

Mode	[0100644] 0100000
User ID	[0]
Group ID	[0]
Size	[15]
Creation time	[1484937924]
Modification time	[1484937924]
Access time	[1484937926]
Deletion time	[0]
Link count	[1]
Block count high	[0]
Block count	[2]
File flags	[0x80000]
Generation	[0x68272fd7]
File acl	[0]
High 32bits of size	[0]
Fragment address	[0]
Direct Block #0	[127754]
Direct Block #1	[4]
Direct Block #2	[0]
Direct Block #3	[0]
Direct Block #4	[1]
Direct Block #5	[8452]
Direct Block #6	[0]
Direct Block #7	[0]
Direct Block #8	[0]

```
Block count high [0]
Block count      [2]
File flags       [0x80000]
Generation       [0x68272fd7]
File acl         [0]
High 32bits of size [0]
Fragment address [0]
Direct Block #0  [127754]
Direct Block #1  [4]
Direct Block #2  [0]
Direct Block #3  [0]
Direct Block #4  [1]
Direct Block #5  [8452]
Direct Block #6  [0]
Direct Block #7  [0]
Direct Block #8  [0]
Direct Block #9  [0]
Direct Block #10 [0]
Direct Block #11 [0]
Indirect Block   [0]
Double Indirect Block [0]
Triple Indirect Block [0]
```

```
debugfs:
```

```
debugfs: q
```

```
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```

joe@it4100-a1-sample: ~/mymounts

joe@it4100-a1-sample: ~/mymounts ×

joe@yavin: ~/s17/it4100 ×

```
joe@it4100-a1-sample:~/mymounts$ ls
```

```
d1 d2 d3
```

```
joe@it4100-a1-sample:~/mymounts$ sudo umount d1/
```

```
joe@it4100-a1-sample:~/mymounts$ sudo mount /dev/sda5 d1/
```

```
joe@it4100-a1-sample:~/mymounts$ █
```



```
joe@it4100-a1-sample:~/mymounts$ ls
```

```
d1 d2 d3
```

```
joe@it4100-a1-sample:~/mymounts$ ls -l d1/
```

```
total 14
```

```
----- 1 root root    15 Jan 20 11:45 file1.txt
```

```
-rw-r--r-- 1 root root    21 Jan 20 11:45 file2.txt
```

```
drwx----- 2 root root 12288 Jan 19 09:42 lost+found
```

```
joe@it4100-a1-sample:~/mymounts$ echo "They are different here, but not corrupt"
```

```
They are different here, but not corrupt
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