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How do I check and repair MS-DOS file systems under Linux?

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You can use Linux fsck (check and repair a Linux file system) program. However normal fsck looks for ext2 or ext3 file system. Use dosfsck program that check and repair MS-DOS file systems.

It verifies the consistency of MS-DOS file systems and optionally tries to repair them. For example, run dosfsck on a MS-DOS formatted floppy disk:

```
# dosfsck /dev/fd0
```

The following file system problems can be corrected using this program:

- FAT contains invalid cluster numbers.
- Directories with a large number of bad entries (probably corrupt). The directory can be dropped.
- Files . and .. are non-directories.
- Directories . and .. in root directory. They are dropped.
- Bad file names. They can be renamed.
- Duplicate directory entries. They can be dropped or renamed.
- Directory . does not point to parent directory. The start pointer is adjusted.
- File contains bad or free clusters. The file is truncated etc

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