

NAME

fsck_msdfs - DOS/Windows (FAT) file system consistency checker

SYNOPSIS

fsck_msdfs -p [-Cf] filesystem ...

fsck_msdfs [-CMny] filesystem ...

DESCRIPTION

The **fsck_msdfs** utility verifies and repairs FAT file systems (more commonly known as DOS file systems).

The first form of **fsck_msdfs** preens the specified file systems. It is normally started by **fsck(8)** run from */etc/rc* during automatic reboot, when a FAT file system is detected. When preening file systems, **fsck_msdfs** will fix common inconsistencies non-interactively. If more serious problems are found, **fsck_msdfs** does not try to fix them, indicates that it was not successful, and exits.

The second form of **fsck_msdfs** checks the specified file systems and tries to repair all detected inconsistencies, requesting confirmation before making any changes.

The options are as follows:

- C** Compatibility with the corresponding **fsck(8)** option (skip check if clean), defined to no-op.
- F** Compatibility with the wrapper **fsck(8)** which seeks to determine whether the file system needs to be cleaned immediately in foreground, or if its cleaning can be deferred to background. FAT (MS-DOS) file systems must always be cleaned in the foreground. A non-zero exit code is always returned for this option.
- M** Causes **fsck_msdfs** to not use `mmap(2)` when checking a FAT32 file system. This option is mainly for debugging purposes and is not normally necessary. The **fsck_msdfs** utility will automatically fall back to use a simple LRU cache of 4 MiB when it failed to perform `mmap(2)`, or when **-M** is specified.
- f** Force **fsck_msdfs** to check "clean" file systems when preening.
- n** Causes **fsck_msdfs** to assume "no" as the answer to all operator questions, except "CONTINUE?".
- p** Preen the specified file systems.

-y Causes **fsck_msdosfs** to assume "yes" as the answer to all operator questions.

SEE ALSO

fsck(8), fsck_ffs(8), mount_msdosfs(8)

HISTORY

The **fsck_msdosfs** utility appeared in NetBSD 1.2. **fsck_msdosfs** first appeared in FreeBSD 4.4.

BUGS

The **fsck_msdosfs** utility is currently under development.