

CS314 Lab-8

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Introduction

In this lab, we'll look at how to work with the mfs file system. The /home is the file system of type mfs.

File Created

The file open.c, located in the minix/servers/vfs directory, was modified.

Prints:

file created: <inode_number>

File Read

The file read.c, located in the minix/servers/vfs directory, was modified.

Prints:

file read: <inode_number>; nbytes = <nbytes>; offset = <offset>

File Write

The file write.c, located in the minix/servers/vfs directory, was modified.

Prints:

file write: <inode_number>; nbytes = <nbytes>; offset = <offset>

File Deleted

The file link.c, located in the minix/servers/vfs directory, was modified.

Prints:

file deleted: <inode_number>

Screenshots

Build

```
install -N /usr/src/etc -c -p -r ../minix/fs/pfs/pfs /boot/minix/.temp/mod10_pfs
install -N /usr/src/etc -c -p -r ../sbin/init/init /boot/minix/.temp/mod11_init
rm /dev/c0d0p0s0:/boot/minix/3.3.0r8
Done.
Build started at: Sun Mar 27 23:21:59 IST 2022
Build finished at: Sun Mar 27 23:38:34 IST 2022
# _
```

In the home directory, the following was the result.

```
# touch newfile
file created: 12
# echo "newfile"
newfile
# echo "newfile" > newfile
file written: 12; nbytes = 8; offset = 8
# cat newfile
file read: 12; nbytes = 4096; offset = 8
newfile
file read: 12; nbytes = 4096; offset = 8
# rm newfile
file deleted: 12
#
```