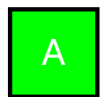# Quiz

May 28, 2024

In an inode file system, each inode has 256 bytes, with 10 direct block pointers, 2 single indirect block pointers, and 1 double indirect block pointers. A block pointer takes 8 bytes. The block size is 8KB. Which of the followings is/are correct

A The maximum size of a file in this file system is roughly 8GB.

B The maximum size of a file in this file system is roughly 1GB.

C The maximum size of the file system is roughly 2^{77} B.

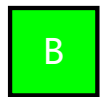D The maximum size of the file system is roughly 2^{64} B.

提交

Which of the following(s) is/are true about hard links and soft links in an iNode file systems?
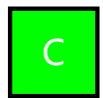
A A hard link is a directory entry pointing to the iNode of an existing file.

B A symbolic link creates a new inode, with the path to the target file in its inode or data block.

C Deleting the target file makes the soft link invalid.

D Deleting the target file does not affect the soft link.

提交

Which of the following(s) is/are true about FAT file systems and ext2/3 file systems?

A   FAT32 file system stores the file name in the FAT table and the file attributes in the directory entries.

B   Ext2/3 file system stores the file name in the directory entries, and the file attributes in the inode.

C   FAT32 stores file names and attributes in the directory entries.

D   Ext2/3 stores file names and attributes in the inodes.

提交