

## ANALYSIS OF VIRTUAL FILE TYPES USED BY THE LINUX OPERATING SYSTEM

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**Abstract.** The rapid evolution in recent years in all areas of activity has led to the widespread use of computers and automatic processing technologies of data and information. By connecting to the Internet there is also the possibility of an exchange of information between users of the network. For these reason a very important problem for any user of the computer is the security of the dates and the LINUX operating system can to offer this pressing requirement.

This article proposes a study on virtual file types that can be used by the LINUX operating system. Through this manner of implementation the LINUX operating system can to use some different types oh file systems: XFS, EXT2, EXT3, JFS and Reiser. For that reason, in the present paper the capacity of LINUX operating system through the mediation of the virtual file system to offer the support for this types of file systems is analyzed.

**Key words:** file system, structure, virtual, operating system, process, inode.

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