

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ

“TO MAKE THE WORLD SMARTER AND SAFER”

(Суми, 26 березня 2015 року)
The ninth scientific practical student`s, postgraduate`s and teacher`s
LSNC conference

FILE SYSTEM

O. Yarovyi – Sumy State University, group IN-31
A. M. Diadechko - E L Adviser

Nowadays, many people use electronic devices. For example, it can be cameras, mobile phones, computers and others. The file system is a very important component of any device that works with the file.

In computing, a file system is used to control how data is stored and retrieved. Without a file system, information placed in a storage area would be one large body of data with no way to tell where one piece of information stops and the next begins. By separating the data into individual pieces, and giving each piece a name, the information is easily separated and identified. The structure and logic rules used to manage the groups of information and their names is called a "file system".

A main tasks of the file system: naming files; programming interface for working with files; the organization of the file system to the stability of power failures, errors of hardware and software; the contents of the file settings required for its proper interaction with other objects in the system (kernel, applications, and so forth.).

File system types can be classified into disk/tape file systems, network file systems and special-purpose file systems.

There are many different kinds of file systems. Each one has different structure and logic, properties of speed, flexibility, security, size and more. Some file systems have been designed to be used for specific applications.

File systems can be used in many different kinds of storage devices. The most common storage device in use today is a hard drive. Other media that are used are magnetic tape, optical disc, and flash memory.

In conclusion, we can say that the file system is an integral component of many electronic devices. Maybe you do not know about its existence, but it helps to make our life more comfortable.