Linux (Fedora or Slackware) File Management

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File

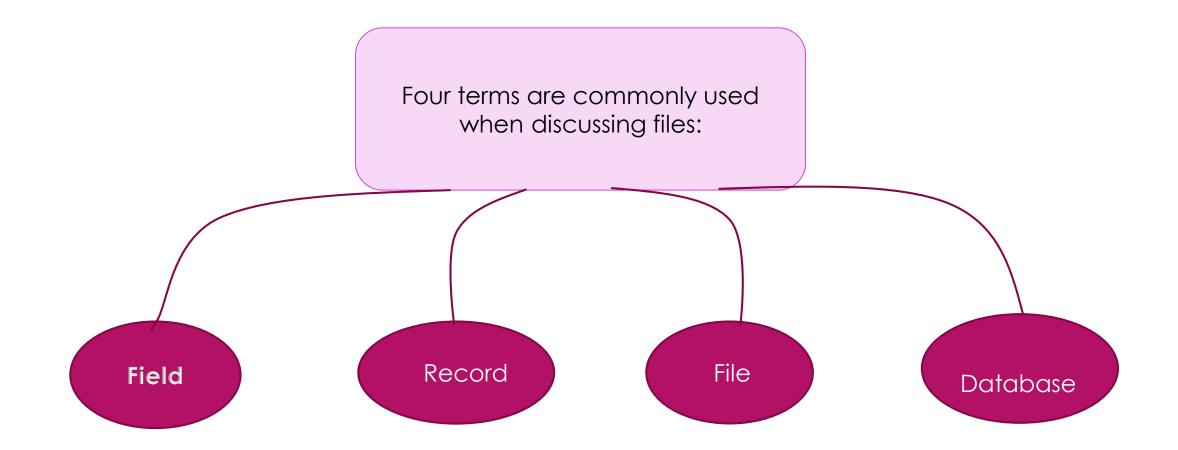
- ► File Structure
- Linux
- Fedora and Slack ware
- Linux File Management
- Linux Virtual File System (VFC)
- Key ingredients of VFS Strategy
- ► The role of VFS within the Kernel
- Primary Object Types in VFS
- Some of The Best File Managers for Linux Systems



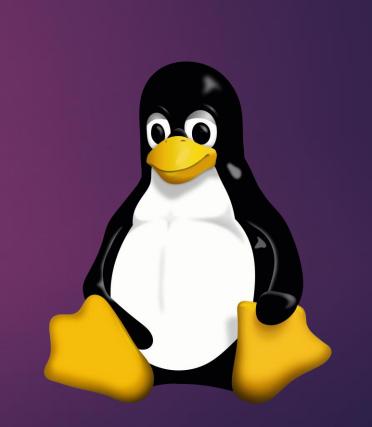
- ▶ The File System is one of the most important parts of the OS to a user.
- ► It's typical operations are:
 - Read
 - Write
 - Create
 - Delete
 - Open
 - Close



File Structure

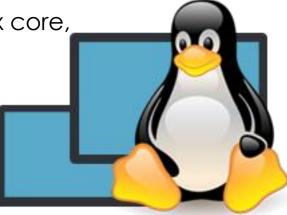








- Many users decide to use Linux based operating systems because of the freedoms they enjoy, included in the list is the freedom to choose the right tool for the job. As well as the source code is freely available to use, edit, redistribute, etc., unlike Microsoft products where everything is prorietary and closed source.
- This lead to make a different distribution from linux core, some of them are: Fedora and Slackware..



Fedora and Slackware

Like most Linux distributions, Fedora and Slackware has a default file manager, which is currently Dolphin. The Linux desktop usually has an icon that looks like a little house—that's your home directory/folder.

- So if we want to know Fedora and slackware
- File Management, we should to know Linux file management.



Linux File Management

Linux includes a versatile and powerful filehandling facility, designed to support a wide variety of file management systems

and file structures.



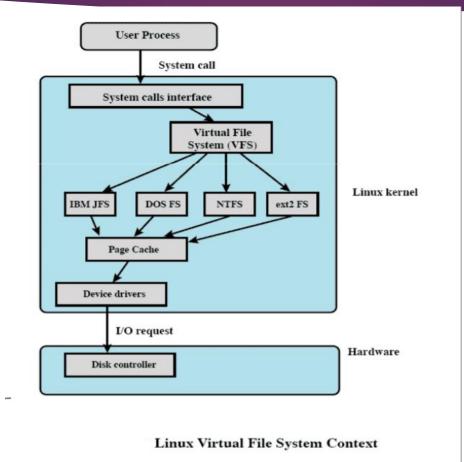
Linux Virtual File System (VFC)

The VFS presents a single, uniform file system interface to user processes. The VFS defines a common file model that is capable of representing any conceivable file system's general feature and behaviour.

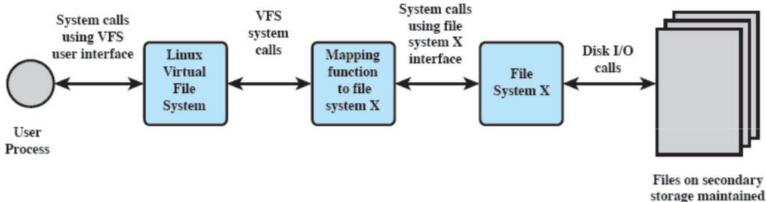


Key ingredients of VFS Strategy

Key ingredients of VFS Strategy



The role of VFS within the Kernel



storage maintained by file system X

Linux Virtual File System Concept

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Primary Object Types in VFS

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<u>Some of The Best File Managers for Linux</u> <u>Systems</u>

- Konqueror File Manager
- Nautilus File Manager
- Dolphin File Manager
- GNU Midnight Commander
- Krusader File Manager
- PCManFM File Manager
- ► XFE File Manager
- Nemo File Manager
- ► Thunar File Manager
- SpaceFM File Manager

References

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The End

ANY QUESTION??