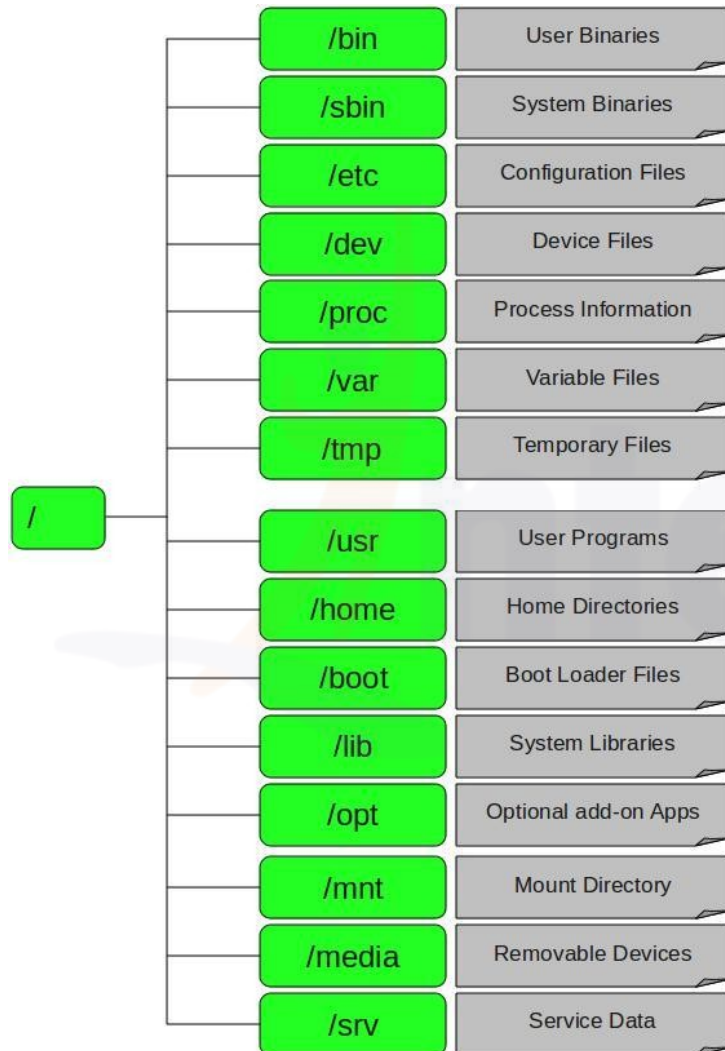# FILE SYSTEM & SECURITY MANAGEMENT

# Agenda

- Describe the Linux file system
- Complete common file system tasks
- Learning File System Commands
- Linux File System Security

# Linux File System

- Role of the Linux File System

- Hierarchical Structure of the Linux File System

- Common File System Commands

# File System Hierarchy

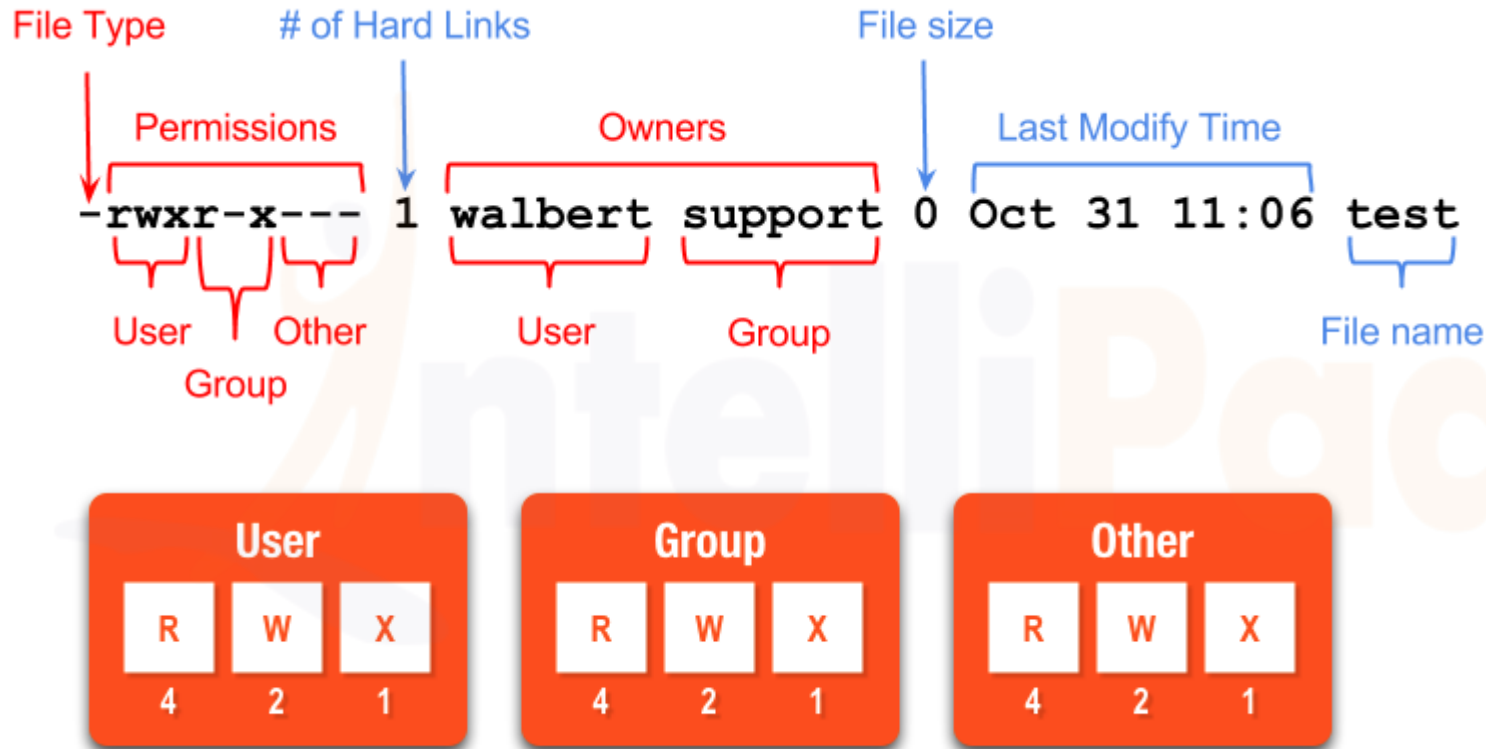| Directory | Description |
|-----------|-------------|
| /bin | User Binaries |
| /sbin | System Binaries |
| /etc | Configuration Files |
| /dev | Device Files |
| /proc | Process Information |
| /var | Variable Files |
| /tmp | Temporary Files |
| /usr | User Programs |
| /home | Home Directories |
| /boot | Boot Loader Files |
| /lib | System Libraries |
| /opt | Optional add-on Apps |
| /mnt | Mount Directory |
| /media | Removable Devices |
| /srv | Service Data |

# File System Commands

Let's learn to use these common commands:

- ls, cat, less, head, tail, vi, pwd, grep, find, locate
- cp, mv, rm
- mount, umount
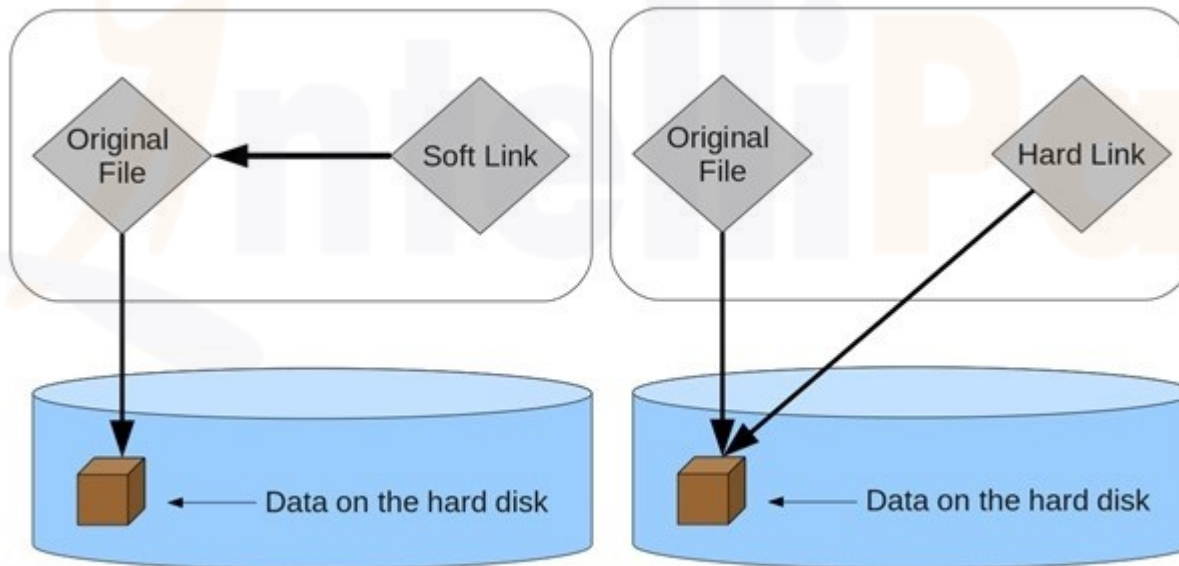- tar and untar
- df, du, fdisk
- chmod

# File Permissions & Security

# HardLinks & SoftLinks

**Hard link:**  ln /root/file1 /root/file2

**Soft link:**  ln -s /root/file1 /root/file2

# Thank You

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