


Linux Features



Portability	Linux kernel and applications can be installed on different hardware platforms
Open Source	Source code of Linux is available for free and it is a community-based development project
Multiuser	Multiple users can access the resources like RAM or memory at the same time
Multiprogramming	Multiple applications and programs can run at the same time
Hierarchical File System	Linux uses a standard hierarchical file structure for arranging user and system files
Shell	A special interpreter program used to execute programs or applications
Security	Linux provides security features like authentication, controlled access to files using passwords, and data encryption

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macOS Operating System



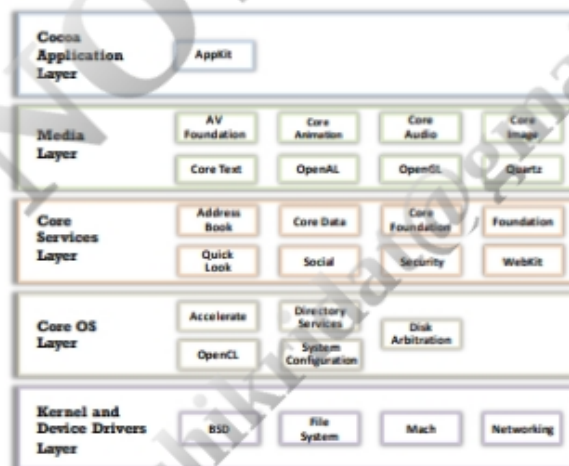
- macOS is a series of closed-source graphical operating systems developed by Apple Inc.
- It is the primary operating system for Apple's Mac computers
- It can offer a more stable and reliable platform and supports pre-emptive multitasking and memory protection

Layers of macOS

- Cocoa Application layer:** Encompasses technologies for building an app's user interface
- Media layer:** Incorporates specialized technologies for playing, recording, and editing audio and visual media
- Core Services layer:** Comprises fundamental services and technologies ranging from Automatic Reference Counting to string manipulation and data formatting
- Core OS layer:** Outlines programming interfaces related to hardware and networking
- Kernel and Device Drivers layer:** Contains support for file systems, networking, security, IPC, programming languages, device drivers, and other tools

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macOS Layered Architecture



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