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EVOLUTION OF OPERATING SYSTEM

1940s-1950s: Early Beginnings

Computer operated without operating system.

programs were manually loaded and run, on at time.

1980s: GUI and Networking

Graphical user Interfaces (GUIs) gained popularity with systems like Apple Macintosh (1984) and Microsoft windows (1985)

1960s: Multiprogramming and Timesharing

Introduction to multiprogramming to utilize CPU efficiency.
Timesharing systems,like CTSS (1961) and Multics (1969),allowed multiple users to interact with a single system.

1990s: Linux and Advanced GUIs

Linux (1991) introduced open-source development.

Windows and Mac OS refined GUIs and gained widespread adoption.

1970s: Unix and Personal Computers

Unix (1971) revolutionized OS design with simplicity,portability and multitasking
Personal computers emerged leading to simpler OSs like CP/M (1974)

2000s-present: Mobility and Cloud

Mobile OSs like iOS(2007) and Android (2008) dominate.
#Cloud-based and virtualization technologies reshape computing with OSs like windows Server and Linux driving innovation.

Network and Distributed Systems

Linux,Client-server technologies (2000s-2010s)

Mobile and Cloud Computing Age

Android,IOS,cloud-based platforms(2010s-2020s)

AI-Enhanced Operating Systems

Cloud-native and containerized OS (2020s-Present)