

Evolution of Operating Systems

1940s-1950s: Early Beginning

1. computers operated without os.
2. programs were manually loaded and run ,one at a time.
3. the first os was introduced in 1956.

1960s: Multiprogramming and Timesharing

1. introduction of multiprogramming to utilize cpu efficiency.
2. timesharing system like CTSS(1961) and Multics(1969)

1970s: Unix and Personal Computers

1. unix (1971) revolutionized os design with simplicity and portability.
2. personal computers emerged, leading to similar os like cp/M(1974)

1980s: GUI and Networking

1. graphical user interface , gained popularity with system microsoft windows (1985)
2. networking features , like TCP/IP in Unix, became essential

1990s: Linux and Advanced GUIs

1. linux (1961) introduced open source development
2. windows and mac OS refined GUIs and gained widespread adoption

2000s- Present: Mobility and Cloud

1. mobile OSs like iOS (2007) and Android (2008) dominate.
2. cloud - based and virtualization technologies reshape computing, with OSs like windows and server and linux driving innovation.

AI Integration - (Ongoing)

1. with the growth of time AI came into picture . os integrates features of AI technology like siri, Google Assistant and Alexa and became more powerful.
2. AI features with os create a new entire new features like voice commands , predictive text, and personalized recommendations

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TOPIC :- OS EVOLUTION