

# Summary

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## Operating system objectives and functions

- User/computer interface
- Resource manager
- Evolution of operating systems
  - Serial processing
  - Simple/multiprogrammed/time-sharing batch systems
- Major achievements
- Developments leading to modern operating systems
- Fault tolerance
  - Fundamental concepts
  - Faults
  - OS mechanisms

- OS design considerations for multiprocessor and multicore
- Microsoft Windows overview

## Traditional Unix systems

- History/description

## Modern Unix systems

- System V Release 4 (SVR4)
- BSD
- Solaris 10

## Linux

- History
- Modular structure
- Kernel components

## Android

- Software/system architecture
- Activities

## Power management