

Operating Systems

Beamer version 0.1

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Hardware review

- A modern computer consists of one or more processors, some main memory, disks, printers, a keyboard, a mouse, a display, network interfaces, and various other input/output devices.
- All in all, a complex system.
- If every application programmer had to understand how all these things work in detail, no code would ever get written.

Wider definition of an Operating Systems

The operating system (OS) is a layer inserted between the hardware/software interface in order to provide a

- better
- simpler
- cleaner

, model of the computer.

The shell is not the OS

Users interact with the shell, either via

- a Text Console; and/or
- the GUI - Graphical User Interface.

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First Frame of Memory Management

Text of the first frame of memory management.

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First Frame of File Systems

Text of the first frame of file systems.

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First Frame of I/O

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Text of the first frame of Deadlocks.