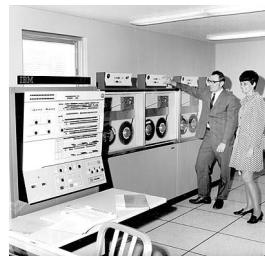




Architecture des Systèmes d'Information

IS
Computing Architecture
History



Traduction en cours

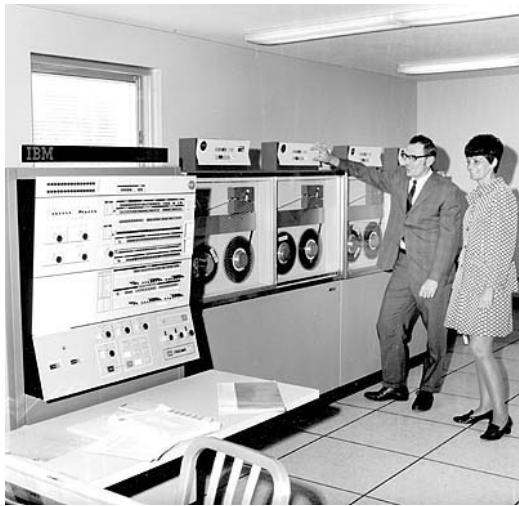


Computer History

- Mainframe Era
- Minicomputer Era
- Workstation Era
- Microcomputer Era
- Internet Era
- Virtual Machine Era

http://www.plyojump.com/classes/mainframe_era.html

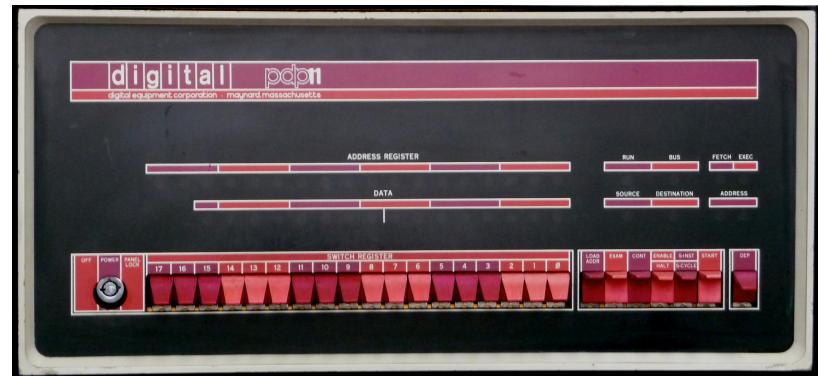
Ordinateur central (Main Frame)



http://farm4.static.flickr.com/3029/2627291590_b513e12ac3.jpg



Minicomputer

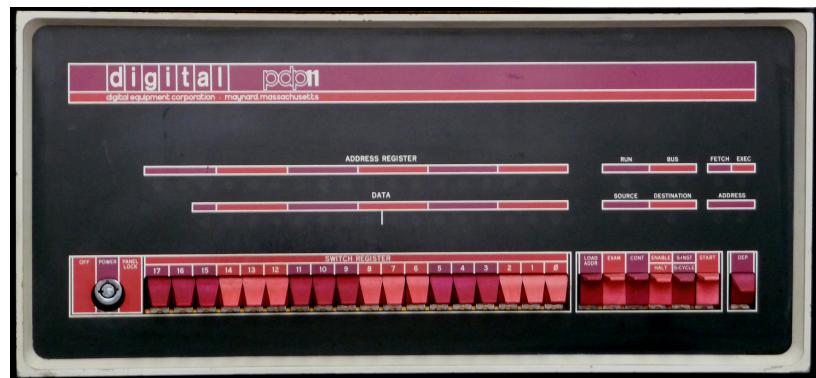


Data General Nova

"Dg-nova3" by User Qu1j0t3 on en.wikipedia - Photograph taken by Qu1j0t3.. Licensed under Copyrighted free use via Commons
- <https://commons.wikimedia.org/wiki/File:Dg-nova3.jpg#/media/File:Dg-nova3.jpg>

digital

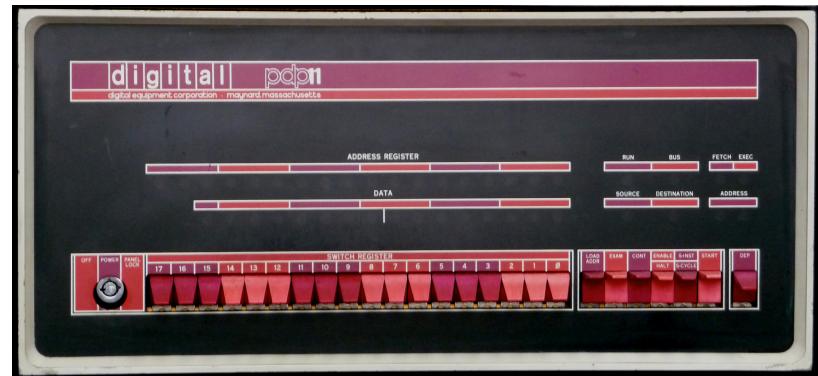
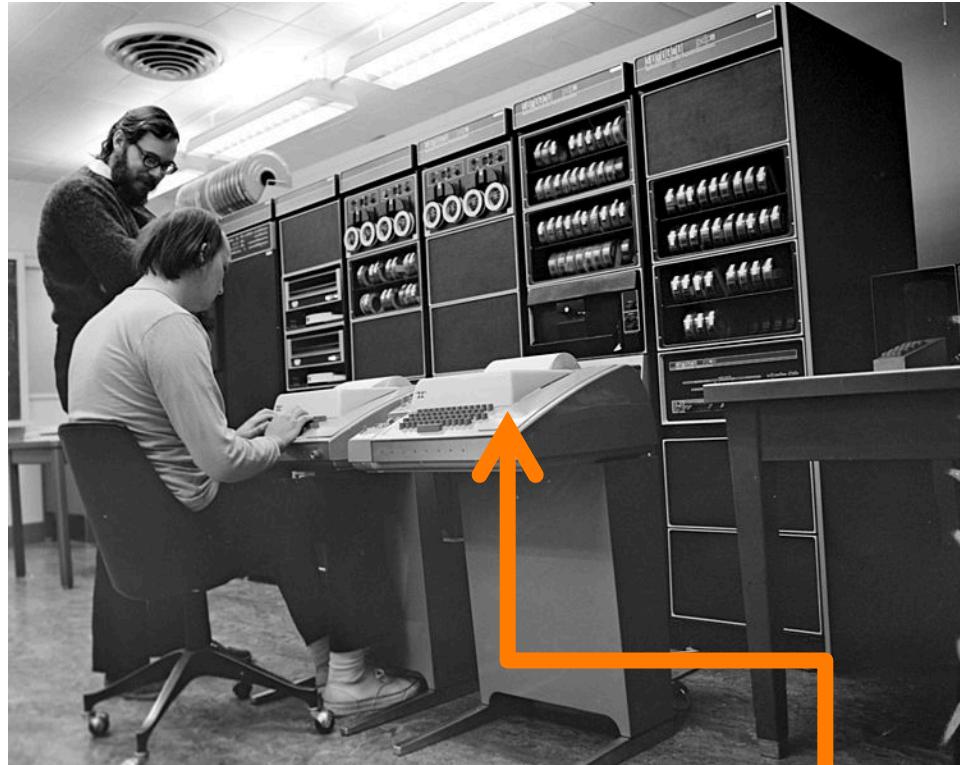
PDP 11 (Programmable Data Processor)



Ken Thompson (sitting) and Dennis Ritchie working together at a PDP-11.

digital

PDP 11 (Programmable Data Processor)



Ken Thompson (sitting) and Dennis Ritchie working together at a PDP-11.

Teleprinter, Teletype (TTY)

digital



pdp11





Teleprinter, Teletyper (TTY)

Screen =



<http://www.pcmag.com/encyclopedia/term/52707/teleprinter>



Telerprinter (TTY) to video terminal (Glass TTY)

DEC



IBM



↑
TTY

digital

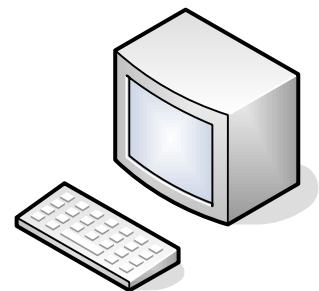
Dumb terminal (Glass TTY)



DEC



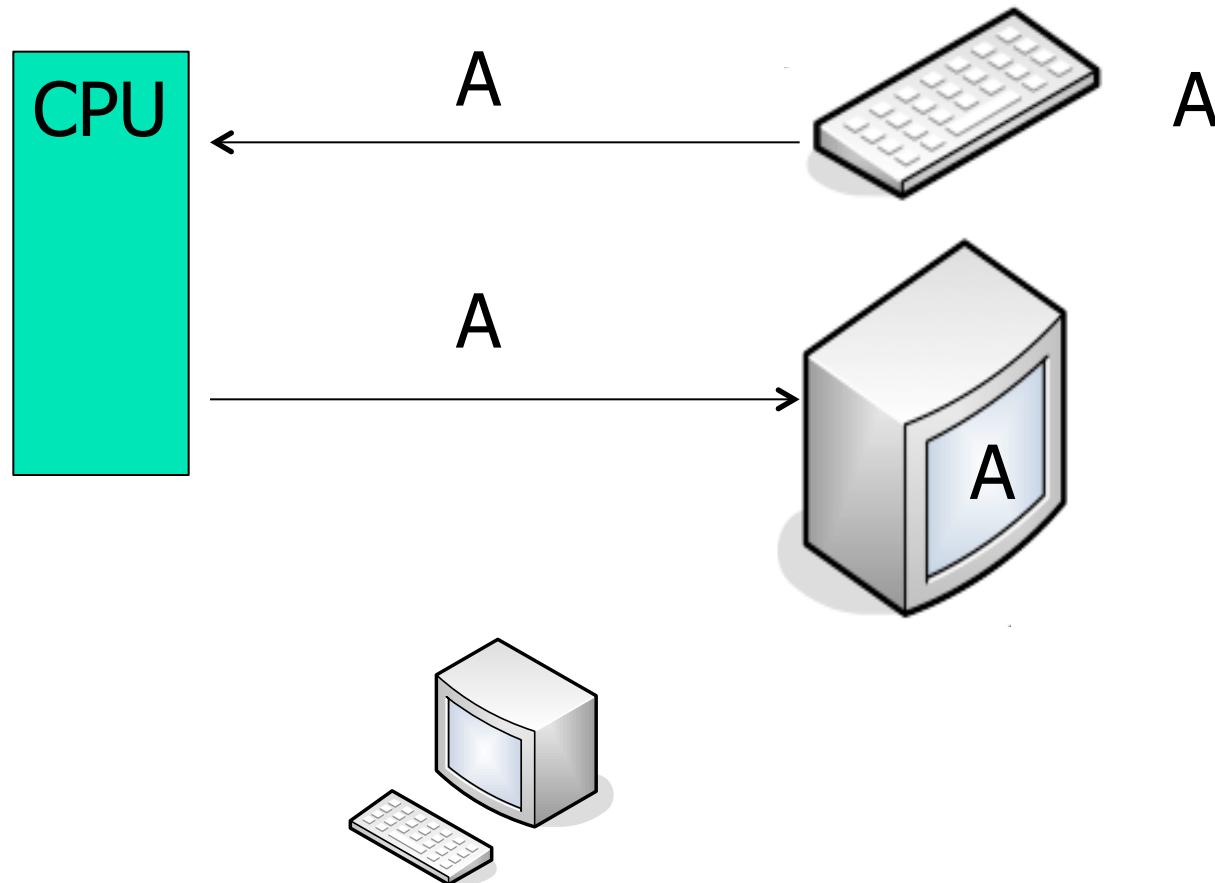
IBM



digital

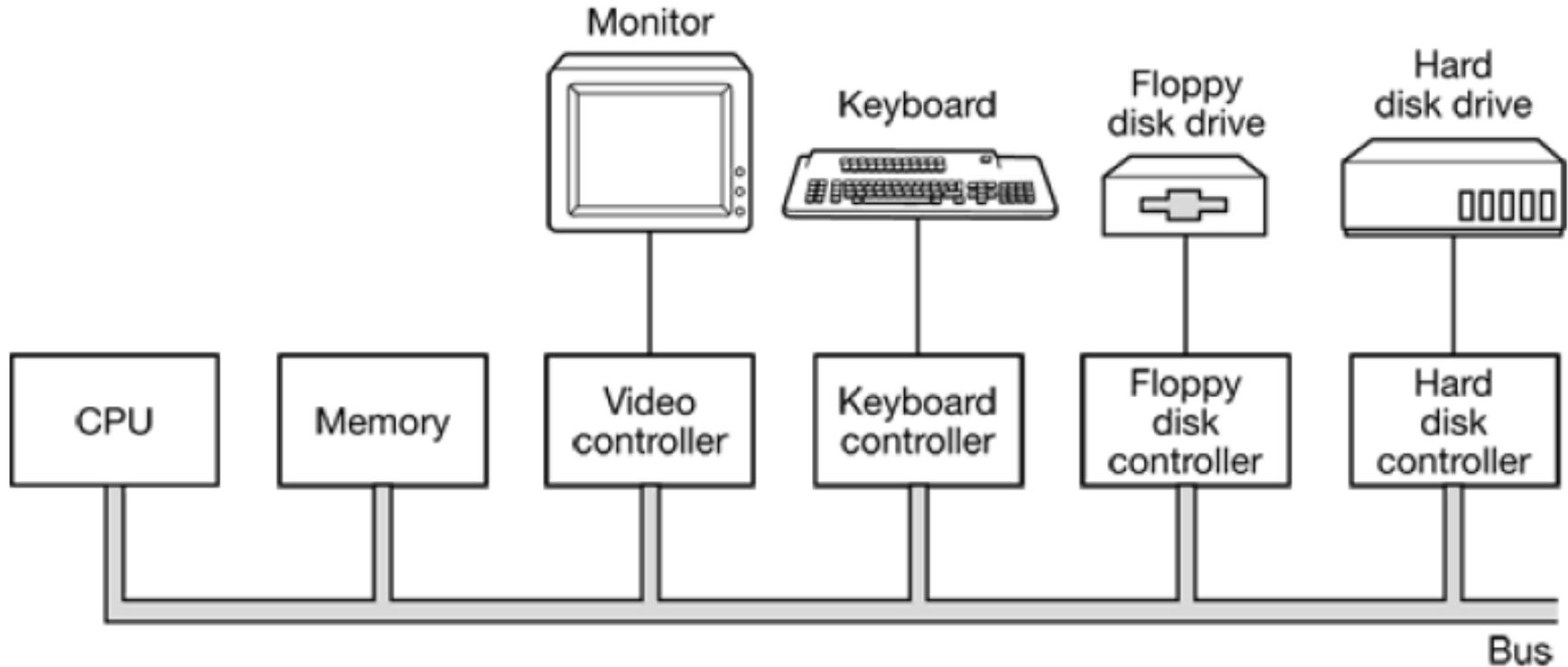


KeyBoard Computer Serial line





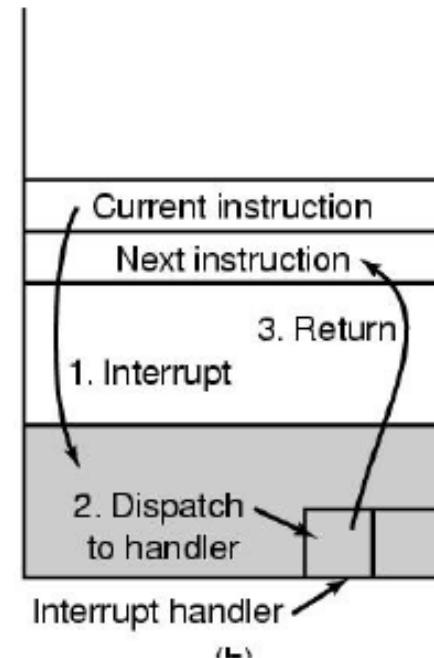
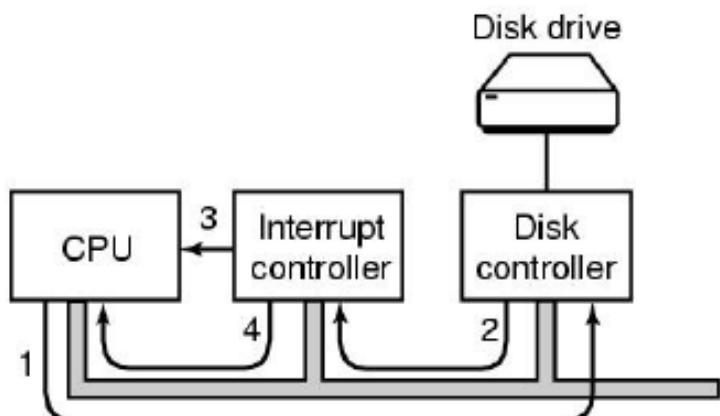
Computer Physical Architecture



Source MOS : MODERN OPERATING SYSTEMS ANDREW S. TANENBAUM (A.S.T)



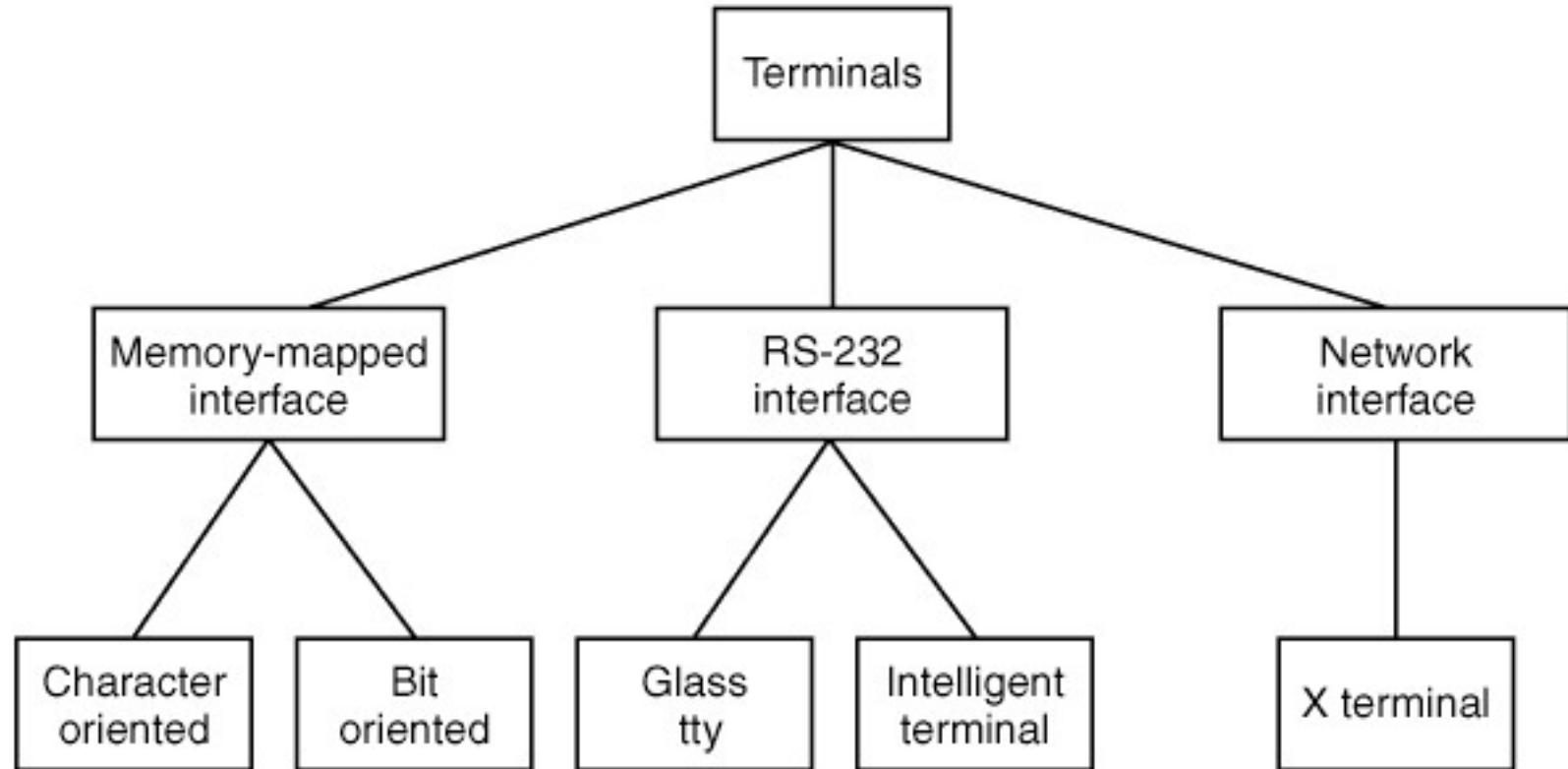
CPU IO interruption



Source MOS : MODERN OPERATING SYSTEMS ANDREW S. TANENBAUM (A.S.T)



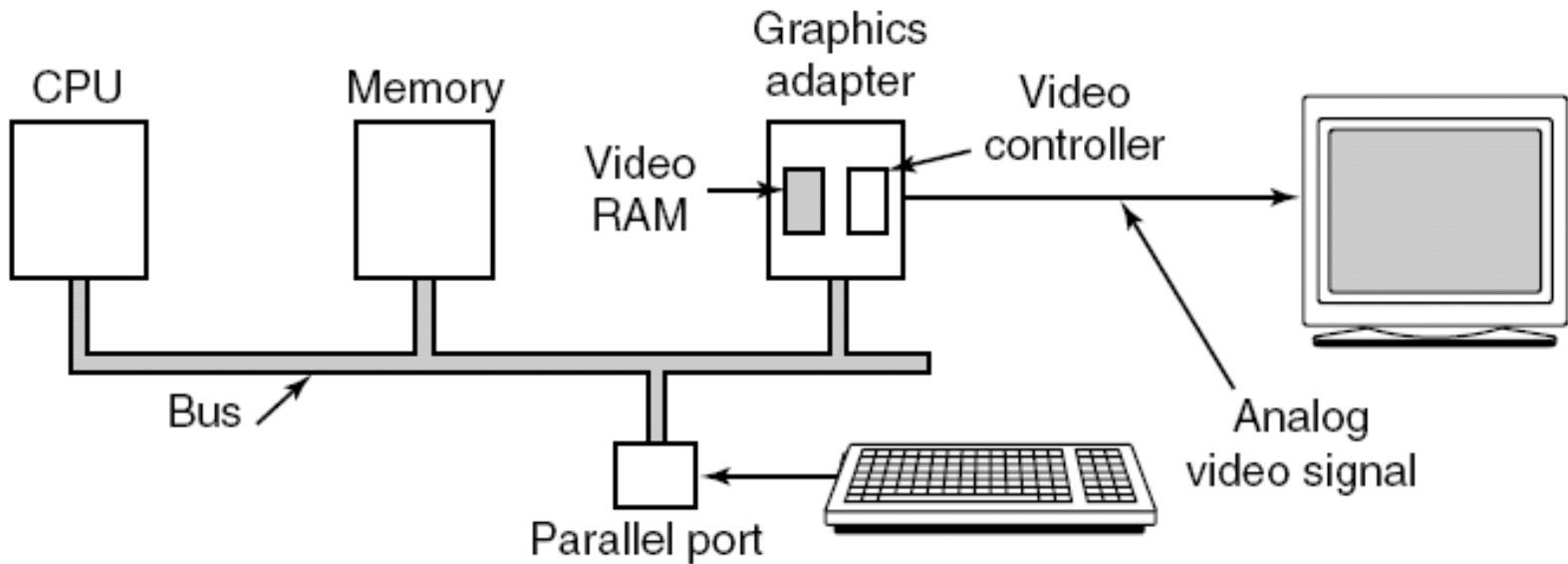
Terminals



Tanenbaum & Woodhull, Operating Systems: Design and Implementation, (c) 2006 Prentice-Hall, Inc. All rights reserved. 0-13-142938-8



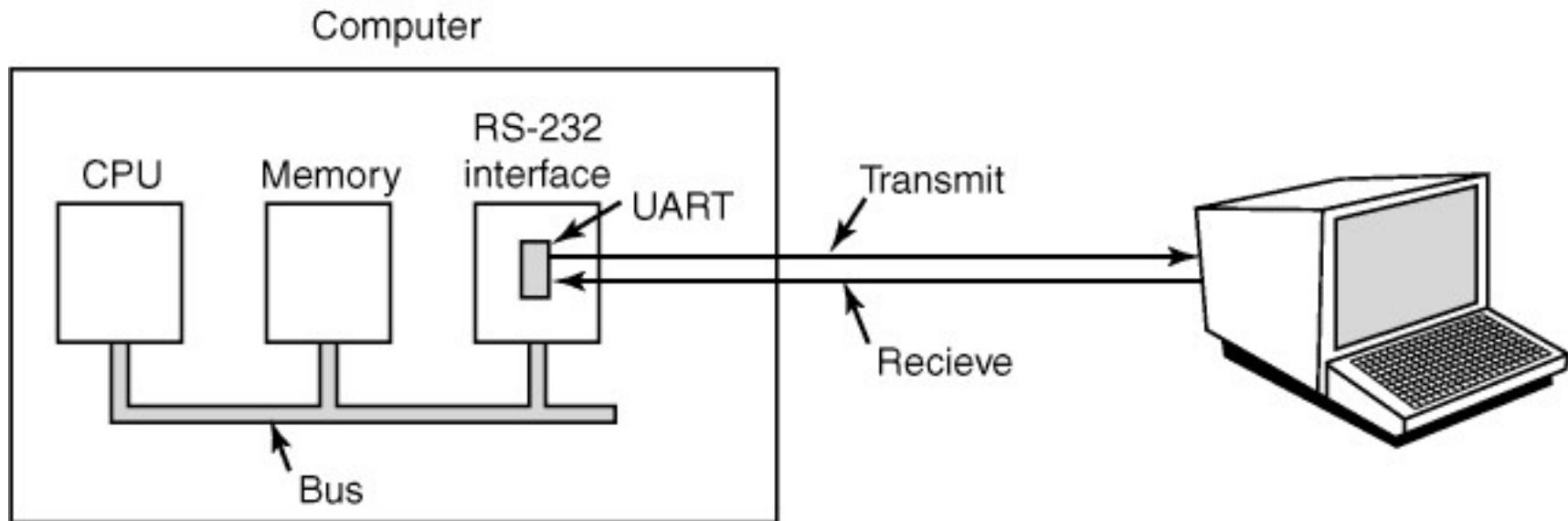
Terminals



Tanenbaum & Woodhull, Operating Systems: Design and Implementation, (c) 2006 Prentice-Hall,
Inc. All rights reserved. 0-13-142938-8



RS 232 Terminals



Tanenbaum & Woodhull, Operating Systems: Design and Implementation, (c) 2006 Prentice-Hall,
Inc. All rights reserved. 0-13-142938-8



Hard Disk Drive

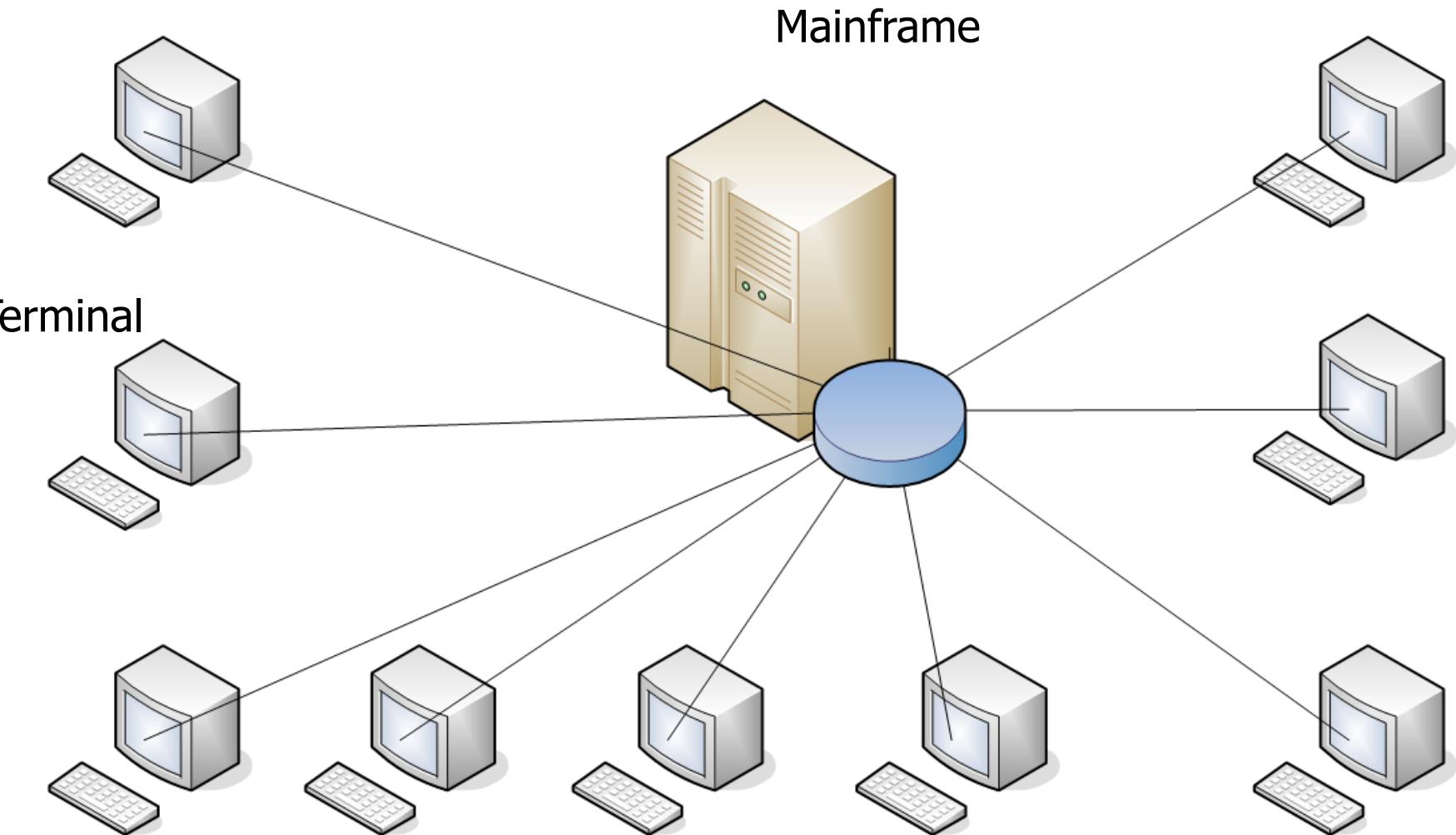


A removable 14 inch disk pack for a disk drive



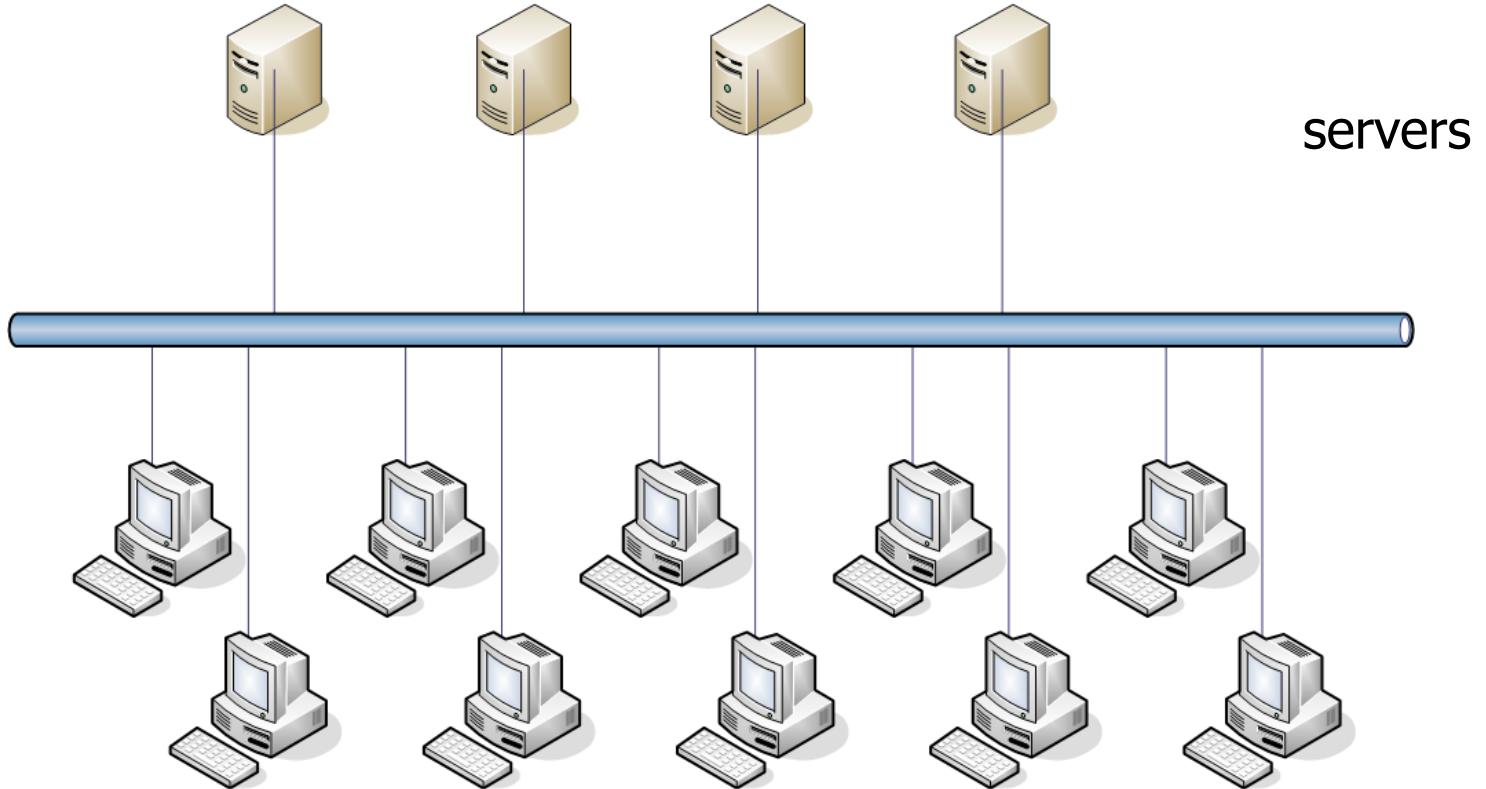


MainFrame Computing Architecture





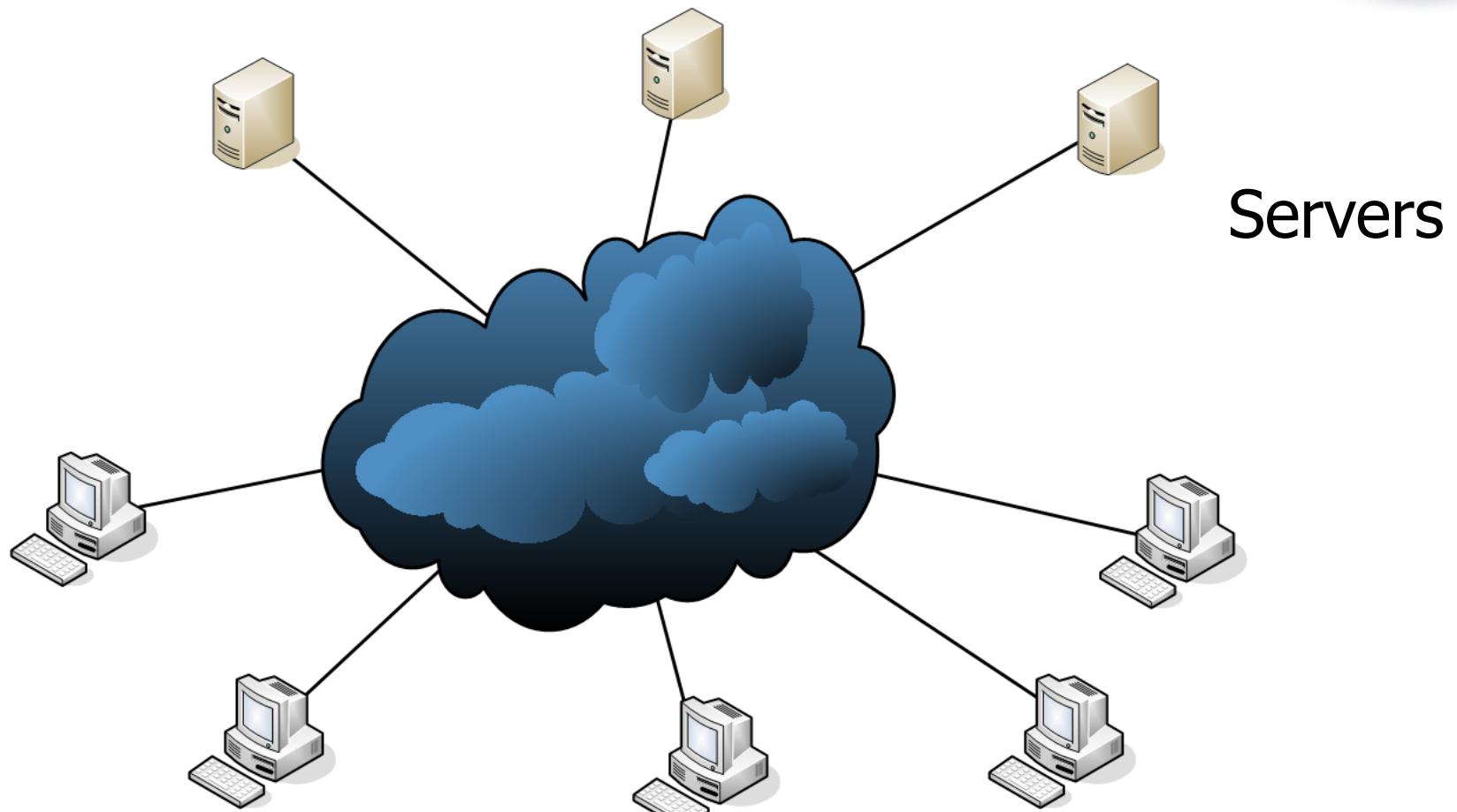
Work Station Computing Architecture



Works Station, PC (client)



Internet Computing Architecture



Clients

Servers



Netscape®

