

# 计算机网络




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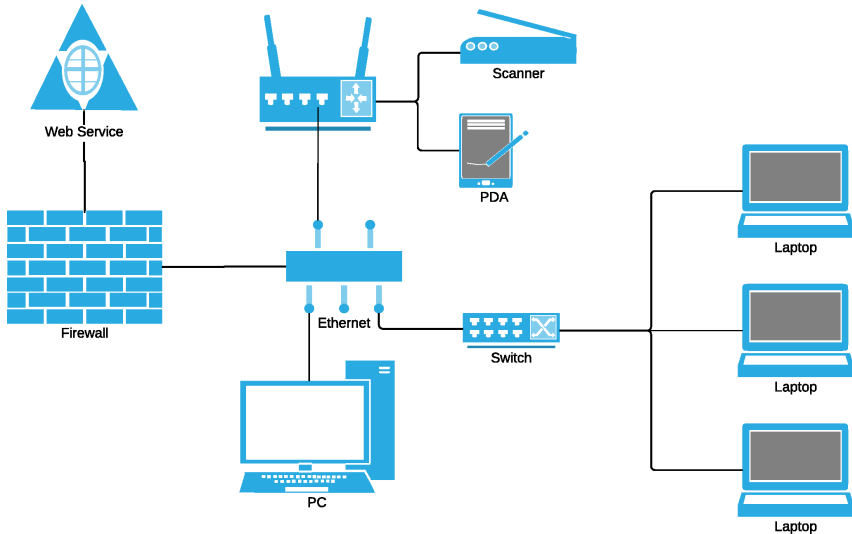
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1938

# Textbooks

-  TANENBAUM A, WETHERALL D. Computer Networks. 5th ed. Pearson Prentice Hall, 2011.
-  KUROSE J, ROSS K. Computer Networking: A Top-down Approach. Pearson, 2013.
-  FALL K, STEVENS W. TCP/IP Illustrated, Volume 1: The Protocols. Pearson Education, 2011.

# What's A Computer Network?



# The History of Internet I

- 1836: Telegraph
- 1858-66: Transatlantic cable
- 1876: Telephone
- 1957: USSR launches Sputnik
- 1962-68: *Packet-switching* networks developed
- 1969: Birth of Internet
- 1971: People communicate over a network
- 1972: Computers can connect more freely and easily
- 1973: Global Networking becomes a reality
- 1974: Packets become mode of transfer

# The History of Internet II

- 1976: Networking comes to many
- 1977: E-mail takes off, Internet becomes a reality
- 1979: News Groups born
- 1981: Things start to come together
- 1982: *TCP/IP* defines future communication
- 1983: Internet gets bigger
- 1984: Growth of Internet Continues
- 1986: Power of Internet Realised
- 1987: Commercialisation of Internet Born
- 1989: Large growth in Internet

# The History of Internet III

1990: Expansion of Internet continues

1991: Modernisation Begins

1992: Multimedia changes the face of the Internet

1993: The WWW Revolution truly begins

1994: Commercialisation begins

1995: Commercialisation continues apace

1996: Microsoft enters

1998: Google

Homework: Meanwhile, what happened in China?

# What's The Internet?

What pops up in your mind if I say “Internet”?

# What's The Internet?

What pops up in your mind if I say "Internet"?

For me, the answer is...



and...



# What's The Internet?

What pops up in your mind if I say "Internet"?

For me, the answer is...

The Google logo, featuring the word "Google" in its characteristic multi-colored font: blue 'G', red 'o', yellow 'o', blue 'g', green 'l', and red 'e'.

and...

TCP/IP