# History of the Internet

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### What is the Internet?

### FORMAL DEFINITION:

"The Internet, a loosely-organized international collaboration of autonomous, interconnected networks, supports host-to-host communication through voluntary adherence to open protocols and procedures defined by Internet Standards [1]."

### **MY DEFINITION:**

A collection of multiple different pieces of computer and noncomputer equipment talking to one another by means of a communications network either wired or wireless.

## When Did The Internet Start?

Oct 4, 1957 – Russia puts Sputnik into

 Feb 7, 1958 – Space exploration assigne Advanced Research Projects Agency (ARF)

 Oct 1, 1958 – NASA opens for business via Eisenhower executive order

# More Key Dates

- July 1961 Leonard Kleinrock of MIT First paper on packet switching theory.
- August 1962 J.C.R. Licklider of MIT memos on "Galactic Network Concept"
- Oct 1969 Larry Roberts heads project that connects first two ARPANET sites UCLA and Stanford Research Institute.
- Oct 1972 Bob Kahn demonstrates ARPANET at the International Computer Communication Conference (ICCC)

### **Internet Breakthroughs**

- March 1972 Ray Tomlinson First basic email program using "@"
- May 1974 Vinton Cerf & Ray Kahn A Protocol for Packet
  Network
- 1978 TCP and IP split
- 1980 Tim Berners-Lee writes predecessor to WWW
- Nov 1983 Jon Postel, Paul Mockapedis, and Craig Partridge design the Domain Name System (DNS)
- 1990 Tim Berners-Lee creates World Wide Web
- 1993 Marc Andreesen Develops Mosaic web browser
- 1996 Microsoft vs Netscape Browser wars

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