

# History of the Internet and How It Was Developed

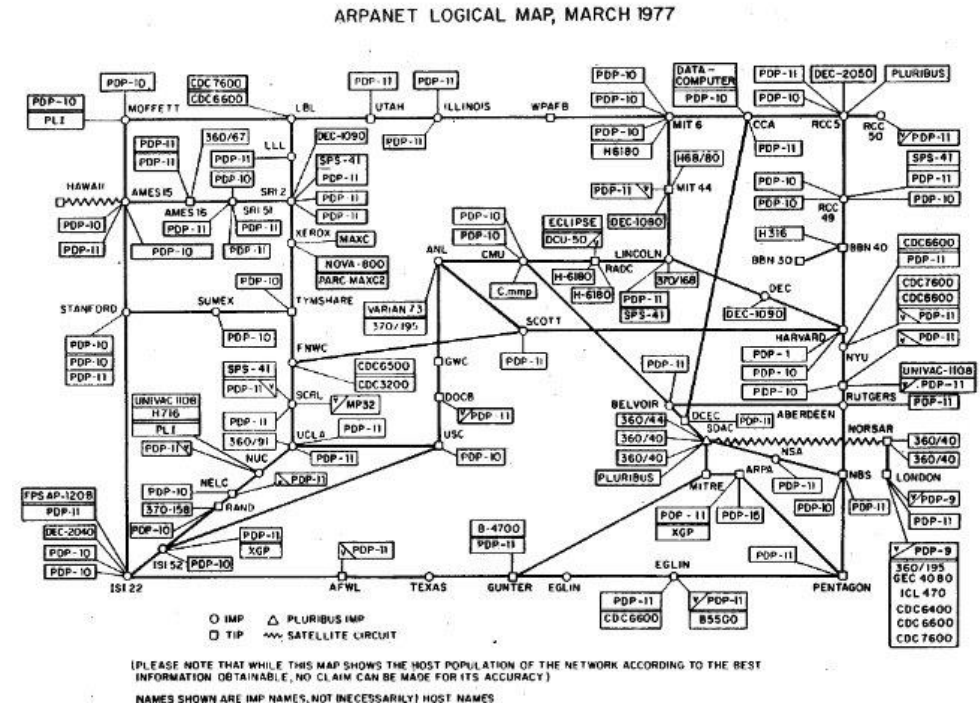
# The Cold War Origins

- In the 1950s
  - U.S. was worried about a possible Soviet attack.
  - Decentralized communication network that could survive if destroyed.
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- <https://study.com/academy/lesson/what-is-the-history-of-the-internet-origins-timeline.html>

# The Birth of ARPANET

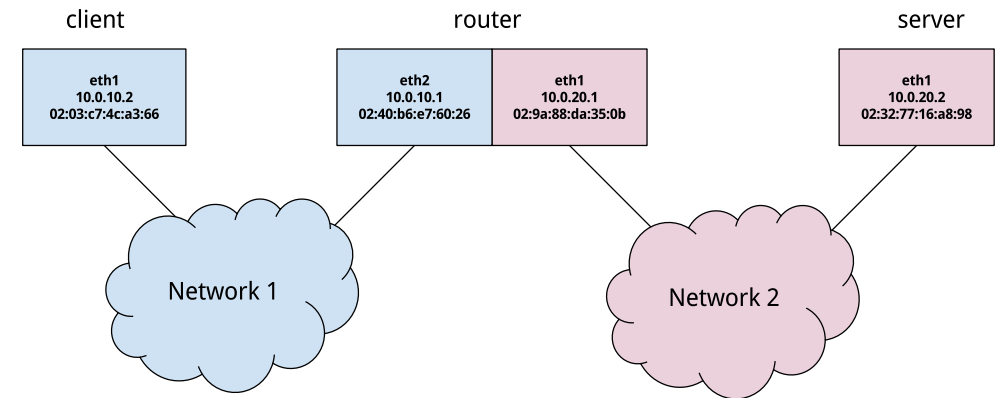
- 1966, Robert Taylor at the Advanced Research Projects Agency (ARPA)
- October 29, 1969 first message "login" between UCLA and Stanford Research Institute.
- By the end of that year, ARPANET connected 4 universities.

- [https://en.wikipedia.org/wiki/History\\_of\\_the\\_Internet](https://en.wikipedia.org/wiki/History_of_the_Internet)



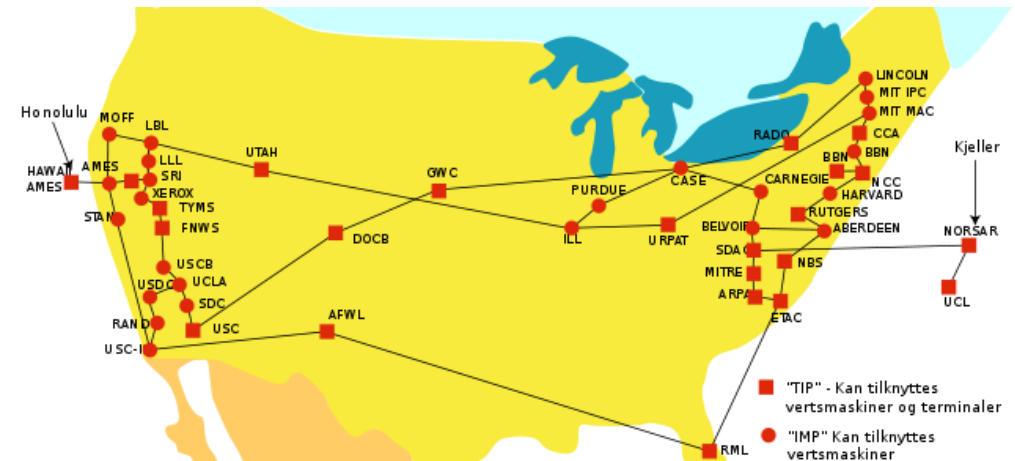
# Key Technological Innovations

- Packet Switching : breaks data into smaller chunks for transmission
- Interface Message Processors (IMPs): routers that directed data between different computers
- Host-to-Host Protocols: This allowed computers to communicate directly.
- <https://www.scienceandmediamuseum.org.uk/objects-and-stories/short-history-internet>



# The Expansion of ARPANET

- In 1973, 23 computers were connected with ARPANET
- First international connections to the UK and Norway
- Need for a standardized way to communicate
- In 1974, Vint Cerf and Bob Kahn developed the Transmission Control Protocol (TCP) and Internet Protocol (IP).
- <https://www.scienceandmediamuseum.org.uk/objects-and-stories/short-history-internet>



# From ARPANET to the Internet

- 1983, ARPANET adopted the TCP/IP protocol.
  - Other networks began to emerge
  - "Networks of networks" : the internet
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- [https://en.wikipedia.org/wiki/History\\_of\\_the\\_Internet](https://en.wikipedia.org/wiki/History_of_the_Internet)



# The Creation of the World Wide Web

- 1989, Tim Berners-Lee, working at CERN, introduced the concept of the World Wide Web.
- In 1991, the first web page was created.
- In 1993, the first graphical web browser, Mosaic, was released.
- <https://www.telefonica.com/en/communication-room/blog/history-internet-how-come-being-how-evolved/>



# The Internet Goes Mainstream

- 1990s : explosion in internet use.
- In 1991, the internet was opened up for commercial use.
- In 1995, Amazon and eBay launched their online marketplaces.
- In 1998, Google was founded.



- [https://en.wikipedia.org/wiki/History\\_of\\_the\\_Internet](https://en.wikipedia.org/wiki/History_of_the_Internet)



# The Modern Era and Beyond

- Internet connects billions of devices.
- 5G, AI are about to transform the internet even further.
- Faster speeds, smarter devices, more integrated global systems.



# Sources :

- [https://en.wikipedia.org/wiki/History\\_of\\_the\\_Internet](https://en.wikipedia.org/wiki/History_of_the_Internet)
- <https://www.telefonica.com/en/communication-room/blog/history-internet-how-come-being-how-evolved/>
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