# History of Internet

#### The history of the Internet has its origin in the efforts to interconnected computer networks that a

#### rose from research and development in the United States and involved international collaboration, particularly with researchers in the United Kingdom and France.

#### [Computer science](https://en.wikipedia.org/wiki/Computer_science) was an emerging discipline in the late 1950s that began to consider time-sharing between computer users and, later, the possibility of achieving this over Wide Area Networks Independently, [Paul Baran](https://en.wikipedia.org/wiki/Paul_Baran) proposed a distributed network based on data in message blocks in the early 1960s and Donald Davis conceived of packet switching in 1965 at the National Physics Library (NPL) in the UK, which became a taste bed for research for two decade The United State Department of Defense awarded contracts in 1969 for the development of the ARPANET project, directed by Robert Taylor and managed by Lawrence Roberts . ARPANET adopted the packet switching technology proposed by Davies and Baran, underpinned by mathematical work in the early 1970s by Leonard Kleinrock. The network was built by Bolt, Berank, and Newman.

#### Early packet switching networks such as the NPL Network, ARPANET, Merit-Network, and CYCLADES in the early 1970s researched and provided Data Networking. The ARPANET project and international working groups led to the development of protocols for networking, in which multiple separate networks could be joined into a network of networks, which produced various standards.  Vint Cerf , at Stanford, and Bob Kahn, at ARPA, published research in 1973 that University evolved into the Transmission Control Protocol (TCP) and Internet Protocol (IP), the two protocols of the Internet Protocol Suit. The design included concepts from the French CYCLADES project directed by Louis Pouzin.

#### In the early 1980s the NSF funded national supercomputing centers at several universities in the United States and provided interconnectivity in 1986 with the NSFNET project, which created network access to these supercomputer sites for research and academic organizations in the United States. International connections to NSFNET, the emergence of architecture such as the Domain Name System, and the adoption of TCP/IP internationally marked the beginnings of the internet. Commercial Internet service provider (ISPs) began to emerge in the very late 1980s. The ARPANET was decommissioned in 1990. Limited private connections to parts of the Internet by officially commercial entities emerged in several American cities by late 1989 and 1990.[[9]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-9) The NSFNET was decommissioned in 1995, removing the last restrictions on the use of the Internet to carry commercial traffic. Research at Robert Taylor by British computer scientist Tim Berners-Lee in 1989-90 resulted in the World Wide Web, linking hypertext documents into an information system, accessible from any node on the network.

#### Since the mid-1990s, the Internet has had a revolutionary impact on culture, commerce, and technology, including the rise of near-instant communication by Electronic Mail, instant messaging, Voice over internet protocol (VoIP) telephone calls, two-way interactive video, and calls the World Wide Web with its discussion forums, blogs, social networking, and online shopping sites. Increasing amounts of data are transmitted at higher and higher speeds fiber optic operating at 1, 10 Gbit/s, or more. The Internet's takeover of the global communication landscape was rapid in historical terms: it only communicated 1% of the information flowing through two-way telecommunications networks in the year 1993, 51% by 2000, and more than 97% of the telecommunicated information by 2007.[[11]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-HilbertLopez2011-11) Today, the Internet continues to grow, driven by ever greater amounts of online information, commerce, entertainment, ands social networking.