

W3C 10 WORLD WIDE WEB CONSORTIUM Tenth Anniversary

Pre-W3C Web and Internet Background

- 1945: Vannevar Bush article in *Atlantic Monthly* describes a photo-electrical-mechanical device called a Memex, for memory extension, which could make and follow links between documents on microfiche.
- 1960: J.C.R. Licklider publishes "Man-Computer Symbiosis."
- 1962: Douglas Englebart publishes "Augmenting Human Intellect: A Conceptual Framework."
- 1965: Ted Nelson coins the term "Hypertext" in "A File Structure for the Complex, the Changing, and the Indeterminate." 20th National Conference, New York, Association for Computing Machinery.
- 1968: Douglas Englebart demonstrates Online System (NLS).
- 1969: Advanced Research Projects Agency commissions ARPANET to conduct research on networking.
- 1971: Ray Tomlinson of BBN creates email program to send messages across a distributed network.
- 1972: Tomlinson expands program to ARPANET users, using the "@" sign as part of the address.
- 1974: Vint Cerf and Bob Kahn publish, "A Protocol for Packet Network Interconnection", which specifies in detail the design of a Transmission Control Protocol (TCP).
- 1978: Part of TCP published separately as the Internet Protocol (IP).
- 1980: While consulting for CERN, Tim Berners-Lee writes a program, "Equiare Within-Upon-Everything", which allows links to be made between arbitrary nodes.
- 1984: Paul Mockapetris introduces Domain Name System (DNS).
- 1989: Mar: Tim Berners-Lee circulates "Information Management: A Proposal" for comments at CERN.

pre 1979

pre 1989

1990

1991

1989

Web servers



W3C

- Mark Andreessen and colleagues leave NCSA to form Mosaic Communications Corp., which later became Netscape.
- Traditional dial-up systems (CompuServe, AOL, Prodigy) begin to provide Internet access.
- Apr: Alan Kotok, then at DEC, visits CERN to discuss creation of Consortium.
- 1 Oct: W3C created.
- Apr: INRIA becomes W3C Host in Europe.
- Jun: W3C holds first Workshop, on Content Rating; leads to PICS.

Starting year of current W3C Activities

- Graphics
- Hypertext Markup Language (HTML)
- Style
- Math
- Extensible Markup Language (XML)
- Document Object Model (DOM)
- Patent Policy
- Privacy
- Synchronized Multimedia
- Web Accessibility Initiative (WAI)
- Internationalization
- Voice Browser
- URI
- Device Independence
- Semantic Web
- XML Key Management
- Quality Assurance
- Multimodal Interaction
- Web Services
- XForms
- Compound Document Formats

Web conference

- ★ Geneva (Jun)
- ★ Chicago (Oct)
- ★ Darmstadt (Apr)
- ★ Boston (Dec)
- ★ Paris. Largest conference to date.
- ★ Santa Clara
- ★ Brisbane
- ★ Toronto
- ★ Amsterdam
- ★ Hong Kong
- ★ Honolulu
- ★ Budapest
- ★ New York

