

World Wide Web

World Wide Web is a library of resources available to computer users through the global internet. It enables users to view a wide variety of information, including magazine archives, public and college library resources, and current world and business news. World Wide Web (**WWW**) resources are organized so that the users can easily move from one resource to another. The connections to different source computers, or servers, on the network are made automatically without being seen by the user. These connections are made with the use of hypertext and hypermedia.

Users generally navigate through information on the **WWW** with the aid of a program known as **WWW** browser, or client. The browser presents texts, images, sounds, or other information objects on the user's computer screen in the form of a page, which is obtained from a **WWW** server. The user can navigate through information by pointing to specially designated text or other object on the screen. These objects link the user to other **WWW** pages on the same server or on any other accessible **WWW** server on the network. The **WWW** links exist across the global Internet, forming a large-scale, distributed, multimedia knowledge base through related words, phrases, and images. Smaller-scale implementations are present on the enterprise internets used by businesses. These implementations known as "intranets" host private data and applications and can be protected from public access through a device known as a "firewall".

WWW pages are formatted using Hypertext Markup Language (**HTML**), and **WWW** communication among computers uses the Hypertext Transfer Protocol (**HTTP**) or wireless Access Protocol (**WAP**) for mobile phones. This communication is usually through the Internet via Transmission Control Protocol (**TCP**) connections, but almost any kind of connection can be used.

The **WWW** was developed in **1989** by **Timothy Berners-Lee**, a British computer scientist at the **CERN** research facility near Geneva, Switzerland, to allow information-sharing among internationally dispersed teams of high-physics researchers. It subsequently became a platform related software development, and the numbers of linked computers and users grew very rapidly to support a wide variety of endeavours, including a large business marketplace. Its further development is guided by the **WWW** consortium based at Massachusetts Institute of Technology. Current concerns include the efficiency of search engine, the security of transactions and privacy of users. The main prospect for **WWW** is its development to form a basis for electronic business. Many applications have been developed to add payment, reservation, and other interactive facilities to **WWW** pages.

Vocabulary:

- **Internet:** global computer network: a network that links computer networks to all over the world by satellite and telephone, connecting users with service networks such as e-mail and the **WWW**. (**Fr. Internet**)
- **Server:** computer that other computers access: a computer in a network that stores application programs and data files accessed by the other computers in the network. (**Fr. Serveur**)
- **Network:** system of linked computers: a system of two or more computers terminals, and communications devices linked by wires, cables, or telecommunications system in order to exchange information. The network may be limited to a group of users in a local area (local area network), or be global in scope, as the Internet is. (**Fr. réseau**)
- **User:** a person or thing that uses: a person or a thing that uses something. (**Fr. utilisateur**)

- **Navigate:** find a route: to find a way through a place, or direct the course of something, especially a ship or aircraft, using a route-finding system (**Fr. navigateur**)
- **Hypertext:** data storage system: a system of storing images, text, and other computer files that allows direct links to related text, images, sounds, or other data (**Fr. hypertexte**)
- **Hypermedia:** multi-media hypertext system: a hypertext system that supports the linking of graphics, audio, and video elements, and text. The www has many aspects of a complete hypermedia system.
- **Browser:** software for searching Internet: a piece of a computer software that allows an Internet user to search for information on the World Wide Web. (**Fr. navigateur, browser**)
- **Client:** computer program that requests data: a computer program used to contact and obtain data from a program on another computer, often one linked on a network. (**Fr. client**)
- **Intranet:** computer network within organization: a network of computers, especially one using WWW conventions, that can be accessed only by an authorized set of users, for example those within a single company. (**Fr. intranet**)
- **Firewall:** security software: a piece of computer software intended to prevent unauthorized access to system software or data. (**Fr. par-feu**)
- **HTML:** markup for WWW: the markup language used for creating documents on the WWW. (**Fr. HTML**)
- **HTTP:** protocol for WWW the client/server protocol that defines how messages are formatted and transmitted on the WWW. (**Fr. HTML**)
- **WAP:** communication standard for handled digital devices: a standard protocol for the transmission of electronic data between handled narrowband devices such as mobile phones and pagers and another sources of digital information such as the Internet (Fr. WAP)
- **Search engine:** a computer program that searched for particular keywords and returns a list of documents in which they were found, especially a commercial service that scans documents on the internet (**Fr. moteur de recherche**)
- **Piracy:** use of copyrights material without permission: the taking and using of copyright or patented material without authorization or without the legal right to do so. (**Fr. piraterie**)

Understanding the text:

- 1) Give another title to the text.
- 2) Put a title to each paragraph.
- 3) Questions:
 - What can WWW do?
 - What is the function of WWW browser?
 - What is the difference between internet and intranet?
 - What are the current applications of WWW?
- 4) Summarize the text using your own style.

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