

TECHNOLOGY AND INTERNET



TIAME

- **Internet technology** - is a different kind of technology and services that allow Implemented all activities in the Internet computer network.
- To put it simple, internet technologies - this is all what we are working on the Internet. First of all - it's all possible sites, forums, blogs ... Also to the Internet technologies include software and all kinds of mechanisms to work with the "World Wide Web".
- In Web-based lie hypertexts (texts with hyperlinks to other hypertext) and sites hosted in the Internet or in local computer networks.
- As soon as the first computers appeared and the first internet - technology. They were designed to interface between a computer. The turning point in the development of these technologies were the creation of the Internet and the first browser in the early 90s.





Now the Internet - technology enveloped all spheres of human activity, but most of all they are entrenched in the information sphere.

The main characteristics of information technology are:

- The development of information society's resources
- Optimization of information processes
- Delivery of information and informational influence between people
- Acceleration of the intellectual development of society
- The impact on all areas of society

Internet technology is a complex system of interaction between the two components: physical and logical.

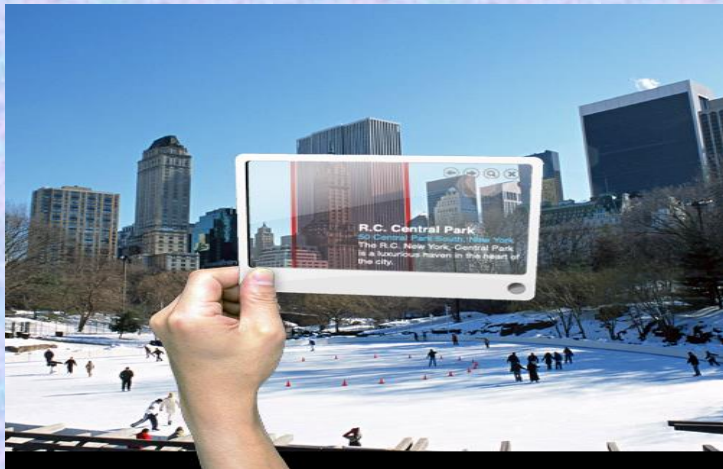


- The physical component of the Internet - technologies includes:
 - 1) The Internet
 - - Protocols TCP / IP.
 - - Hierarchy of Internet domain names.
 - - Internet Backbone. Routing.
 - 2) Software on the Internet
 - - Network Operating Systems.
 - - Special software for connecting to the Internet.
 - - Application protocols.
 - 3) Computers (servers and clients) on the Internet
 - - E-mail Server
 - - Web - servers.
 - - FTP-servers.
 - - Servers teleconferencing.
 - - Instant Messaging Servers.



- 4) Digital Link
- - Select a provider. Connecting to the Internet
- 5) Internet Access
- - Join the network card to the local network.
- - Cabling Ethernet.
- 6) Remote access to global networks.
- - Access "Computer - Network".
- - Access "net-net".
- Logical component of the Internet - technologies includes:
- 1) Internet - Services
- - WWW - World Wide Web
- - E-mail. Teleconferencing system.
- - Data transfer.
- - On - line chat.
- - Transfer of rapid communications.
- - Audio and Video Conferencing.
- - Voice communication.





- 2) Work on the Internet
 - - Browsers.
 - - Bots. Browse the Internet.
 - - View pages in a browser.
- 3) Information Resources on the Internet
 - - Web pages, e-commerce, Internet portals. Web - space.
 - - URL and data transfer protocols, addressing.
 - - Create Web sites. Web programming languages.
 - - Entries in the Internet. Representation.
 - This list may not be complete, because every day the internet - technology is evolving faster and faster, and there are new types of both technical and logical components.
 - Thus, the Internet - technology undeniably produce a huge impact on both life and human development in all spheres of its existence, so they will continue to evolve.

- **Basics of Internet technologies**
- At the heart of the Internet and Internet technologies are hypertexts and sites hosted in the global network [Internet](#) or local networks [of computers](#) .
- Hypertext - a text with links to other hypertexts posted in [Internet](#) or a local network [computers](#) .
- To write hypertext markup language used HTML, which is perceived by all browsers on all PCs.
- HTML is the language Intern dnym standard so all hypertexts, unified manner are perceived and displayed in a unified manner on all personal computers worldwide.
- To prepare hypertext commonly used visual hypertext editors, which is immediately obvious - how it will look on gipertenst [computer](#) and can insert hyperlinks to sites on the Internet.
- One of the best visual hypertext editors is free office editor Writer free office suite [Open Office](#) .





- **Interactive sites and programs**
- **Interactive sites** - these are sites that use online hypertext routines, allowing users to engage in dialogue with a computer connected to a computer network.
- **Hypertext subroutine** included in hypertexts with hypertext forms and routines that are called scripts.
- To write routines hypertext (hypertext browser) is often used language JavaScript, which extends HTML HyperText Markup Language
- **The JavaScript language** is an extension of HTML HyperText Markup and for these reasons JavaScript interpreter built into all browsers and all hypertext editors.
- JavaScript is the language of **international standard**. For this reason, interactive programs in JavaScript executed in the same way on all computers in the world.
- **More than 60% of the programs in the world** is written in hypertext browser JavaScript.