

17. Internet, networks

Types

Basic types of networks divided by area (PAN, LAN, WAN, GAN)

Basic Terms

Network is created from nodes (PC, Switch, Router...)

Structure of connection these devices is called topology (Bus, Star, Ring...)

Connection between devices is made by medium. Medium determines the speed and stability of data transport (Fibre, Coaxial, Twisted pair)

History

The internet was created for sharing information on research and development in scientific and militia

The creators were M.I.T. and ARPA in 1962

In 1965 scientist from M.I.T. developed a way of sending information from one computer to another that he called "packet switching"

In 1969, **ARPAnet** delivered its first message "node-t-node" between computer at UCLA and Stanford

In few years, many of American university add into this network

In 1970 was solved the problem with integration news computer networks into a single worldwide network, "**internet**"

Services

World Wide Web

For sharing web pages, using HTTP and HTTPS protocols

Communication, Email

Email is using SMTP and POP3 protocols; Facebook; Teamspeak; Skype

Data transfer

Dangers

Viruses; private disruption; scams; trolls; stalkers; pornography

Other

Computer Crime...