

Modern Network Technologies

Nurmakhamad Juraev¹

Annotation: Today's in the day network technologies software supplies , hardware and protocols in the form of information transmission and provide of the rules whole set represents Information to drivers have network Adapters are also different connectors and cables because of is transmitted .

Key words: wide network technology , global network , packages , channels, communication .

Broadband technologies . Global networks big in the area is located many to subscribers information and services present reach for is necessary . Such subscribers are both individual computers and local are networks . In each global network, the operator and service pointer provider there is .

Global network by present to be done services local network and computer packets , traffic and others from transmission consists of

Data transmission in global networks for known kind of commutations applies to :

- packets - video and audio data for information transmission for used ;
- channels are kind of in switching telephone lines audio data through transmission for used ;
- news - news or teleconferences electron way transmission for is used .

The widest from the spread ones one This is the global Internet , and it is public telecommunications channels through information exchange provide for very a lot numerous networks and separately computers to combine able

from the Internet use in the process high speed channels and from highways used without servers between data exchange done is increased .

To highways the following includes :

- telephone lines ;
- digital lines ;
- optical contact channels ;
- radio channels ;
- artificial companion contact lines .

Therefore , all Internet services client -server principle based on works
global networks information technologies

Information technologies - this information storage and again work with engaged in mutually depends sciences collection .

Modern technologies online in mode work enable gives , which is also called interactive , or delayed in mode - offline in mode . Online technologies different different contact tools own into takes and the following services types own into receives : ISQ, Internet- telephony and others Offline technologies while mail lists , forums and electron mail messages own into takes

¹ TUIT Ferghana branch , docent



Internet networks : connection , access , information search technologies from the Internet use for you there is connection of types one to use need :

- Cable connection the most wide spread out of species is one Connection from that consists of Internet signal cable through will come
- Local the network is without from the Internet use for to the customer a separate IP address who assigns provider with contract make up need Work in the process enter two type applied : dynamic and static IP.
- Virtual network - this technology using to the Internet connection server and subscriber between data exchange encryption through done is increased .
- Telephone line is technology , basically , if any to the reason according to from a separate Internet line use possible if not or economic in terms of useless if is used . Such without , connection two ADSL and Dial-Up technologies using done is increased .
- Television cable - communication services to the room included cable and signal using a spreading splitter done is increased .
- Mobile Internet is connection technology recently very famous was because it services absolutely desired in the place use enable gives
- Artificial satellite Internet is connection technology the most expensive is considered But his for the price despite such Internet connection away use can
- WiMax and Wi-Fi is radio channels through digital information transmission methods . This kind of technologies the most is considered famous . Wi-Fi home networks for is used and WiMax public places for intended .

Local and computer networks : principles , technologies , protocols

Computer network mutually connected from computers organize found is a system . Such networks basically collective use for intended . Territorial to the location looking at the computer networks local , regional , corporate and be global can Local networks to each other connected are computers .

To the network connection technology network adapter information acceptance doer and transmitter to computers connect mean holds

Modern wireless Wi-Fi networks technologies

Wi-Fi computers local to the network connect the most modern and wide spread out from technologies is one Such without , to the Internet access special radio points through done is increased , for example , 801.11 a; 801.11b; 801.11 g; 801.11 n. of these points all 2.4 GHz in frequency works only the first is 5 GHz .

Passive optical network technology . Passive optical network of technology basis acceptance doer module and remote subscriber nodes between complete passive optical network is to create . Passive optical networks because of of the network functional opportunities more development and expand opportunity there is .

PON. PON (Passive optical network) is at the nodes passive optical spacers with to the tree similar fibrous cable architecture based on passive optical network . PON is wide striped information transmission provides .

PON tree topology of subscribers real location , optical the cable laying down price and his performance based on optical spacers placement optimization enable gives

GPON. GPON (Gigabit PON) technology recently appear it has been and of a passive PON network makes sense continuation it has been . This of the standard main the advantage is that convenience and never how without restrictions real high speed from the Internet use opportunity



Usually, you connect your home GPON optical computer to the modem wrapped couple cable or via wireless (Wi-Fi). This modem is also a TV and VoIP phone connect for to ports have

Electric transmission lines across network organize to do technologies

Electric transmission lines across network organize to do technology work exit according to affairs the most promising from work one is considered That's a lot in the regions wired contact opportunity lack of and electricity networks everyone in the place existence with explained. Electric transmission lines through information transmission technologies include X-10, CEBus, LonWorks, Adaptive Networks and DPL 1000.

Telecommunications technologies different different application possible is a universal tool is considered Telecommunications technologies - telecommunications infrastructure inside is located information networks.

Telecommunications technologies information transmission, re work and to keep provider is a tool. This technologies of infrastructure basis computer nodes and contact channels organize is enough

Telecommunications technologies and banking networks for services

Data transmission of technologies final selection the first in line geographical, economic and political to factors depend Basically, all banking networks telecommunications from technologies uses They are between the most wide the most common ones are ISDN, X.25 and Relay networks.

Neuron network technology. Neuron network simple and the like again work from the elements organize found a lot layered network is a structure. of these elements all of them to each other connected and access and exit layers organize does

Forecasting for used neuron in networks access layer of the situation parameters about received all information acceptance does and exit layer, own in turn, this to the situation reaction sends a signal about. Neuron network to work from the start before it is mandatory study from the stage it will pass while mistakes to minimize help gives

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