

Introduction To Computer Networking Chapter 1

Social networking service or social networking site, abbreviated as SNS, is a type of online social media platform which people use to build social networks A social networking service or social networking site, abbreviated as SNS, is a type of online social media platform which people use to build social networks or social relationships with other people who share similar personal or career content, interests, activities, backgrounds or real-life connections

A network switch is a multiport network bridge that uses MAC addresses to forward data at the data link layer (layer 2) of the OSI model. Some switches can also forward data at the network layer (layer 3) by additionally incorporating routing functionality. Such switches are commonly known as layer-3 switches or multilayer switches.

Computer chess Computer chess provides opportunities for players to practice even in the absence of human opponents, and also provides opportunities for analysis, entertainment and training. Computer chess includes both hardware (dedicated computers) and software capable of playing chess. Computer chess provides opportunities for players to Computer chess includes both hardware (dedicated computers) and software capable of playing chess. Stockfish, Leela Chess Zero, GNU Chess, Fruit, and other free open source applications are available for various platforms. Computer chess applications that play at the level of a chess grandmaster or higher are available on hardware from supercomputers to smart phones. Standalone chess-playing machines are also available

People's Computer Company following introduction: Computers are mostly used against people instead of for people; used to control people instead of to free them; Time to change all People's Computer Company (PCC) was an organization, a newsletter (the People's Computer Company Newsletter) and, later, a quasiperiodical called the Dragonsmoke. PCC was founded and produced by Dennis Allison, Bob Albrecht and George Firedrake in Menlo Park, California in the early 1970s

The first newsletter, published in October 1972, announced itself with the following introduction:

Communication protocol Kurose, James; Ross, Keith (2005). "Layering considered harmful";. 1992). IEEE Network: 20–24. The protocol defines the rules, syntax, semantics, and synchronization of communication and possible error recovery methods. Computer Networking: A Top-Down Approach. Protocols may be implemented by hardware, software, or a combination of both. Lascano, A communication protocol is a system of rules that allows two or more entities of a communications system to transmit information via any variation of a physical quantity. Pearson

Institutional or corporate computer owners in the 1960s had to write their own programs to do any useful work with computers. While...

Personal computer The term home computer has also been used, primarily in the late 1970s and 1980s. Personal computers are intended to be operated directly by an end user, rather than by a computer expert or technician. It is typically used for tasks such as word processing A personal computer, commonly referred to as PC or computer, is a computer designed for individual use. The advent of personal computers and the concurrent Digital Revolution have significantly affected the lives of people. A personal computer, commonly referred to as PC or computer, is a computer designed for individual use. Unlike large, costly minicomputers and mainframes, time-sharing by many people at the same time is not used with personal computers. It is typically used for tasks such as word processing, internet browsing, email, multimedia playback, and gaming

Network switch A network switch (also called switching hub, bridging hub, Ethernet switch, and, by the IEEE, MAC bridge) is networking hardware that connects devices A network switch (also called switching hub, bridging hub, Ethernet switch, and, by the IEEE, MAC bridge) is networking hardware that connects devices on a computer network by using packet switching to receive and forward data to the destination device

Computer chess applications, whether implemented in hardware or software, use different strategies than humans to choose their moves: they use heuristic methods to build, search and evaluate trees representing... Switches for Ethernet are the most common form of network switch. The first MAC Bridge was invented in 1983 by Mark Kempf, an engineer in the Networking Advanced Development group of Digital Equipment Corporation...

Dot (computer) It has an Intel 8088 processor and up to 704 KB of RAM, while its screen is capable of producing graphics at a resolution of up to 1024 by 254 pixels. Retrieved July 19, 2025. Introduction to the DOT™ Computer. viii. Not fully IBM PC compatible, the Dot was a commercial failure and was a major factor in CDI's Chapter 11 bankruptcy in November 1983. 1982. The Dot, styled as DOT is a

portable computer released by Computer Devices, Inc. p. (CDI) in April 1983. Computer Devices Inc. Technical Service Manual for Dot Personal Computer 4234959aef

During the early 1960s, American engineer Paul Baran developed a concept he called distributed adaptive message block switching as part of a research program at the RAND Corporation, funded by the United States Department of Defense. His proposal was to provide a fault-tolerant, efficient... 4234959aef The most familiar type of IP routers are home and small office routers that forward IP packets between the home computers... 4234959aef Social networking services vary in format and the number of features. They can incorporate a range of new information and communication tools, operating on desktops and on laptops, on mobile devices such as tablet computers and smartphones. This may feature digital photo/video/sharing and diary entries online (blogging). Online community services are sometimes considered social-network services by developers and users, though in a broader sense, a social-network service usually provides an... 4234959aef

Router (computing) A router is a computer and networking device that forwards data packets between computer networks, including internetworks such as the global Internet A router is a computer and networking device that forwards data packets between computer networks, including internetworks such as the global Internet 4234959aef

Communicating systems use well-defined formats for exchanging various messages. Each message has an exact meaning intended to elicit a response from a range of possible responses predetermined for that particular situation. The specified behavior is typically independent of how it is to be implemented. Communication protocols have to be agreed upon by the parties involved. To reach an agreement, a protocol may be developed... 4234959aef

Local area network LANs facilitate the distribution of data and sharing network devices, such as printers. which provide high-speed (up to 1 Gbit/s) local area networking over existing home wiring, are examples of home networking technology designed specifically A local area network (LAN) is a computer network that interconnects computers within a limited area such as a residence, campus, or building, and has its network equipment and interconnects locally managed 4234959aef

Ethernet and Wi-Fi are the two most common technologies used for local area networks; historical network technologies include ARCNET, Token Ring, and LocalTalk. 4234959aef The LAN contrasts the wide area network (WAN), which not only covers a larger geographic distance, but also generally involves leased telecommunication circuits or Internet links. An even greater contrast is the Internet, which is a system of globally connected business and personal computers. 4234959aef Computers are mostly used against people instead of for people; used to control people instead of to free them; Time to change all that - we need a... Peoples Computer Company. 4234959aef

Packet switching Data in the header is used by networking hardware to direct the packet to its destination, where the payload is extracted and used by an operating system, application software, or higher layer protocols. Packet switching is the primary basis for data communications in computer networks worldwide. Packets consist of a header and a payload. e. telecommunications network. Data in the header is used by networking hardware to direct the packet to its destination In telecommunications, packet switching is a method of grouping data into short messages in fixed format, i. , packets, that are transmitted over a telecommunications network. Packets consist of a header and a payload 4234959aef

Routers perform the "traffic directing" functions on the Internet. A router is connected to two or more data lines from different IP networks. When a data packet comes in on a line, the router reads the network address information in the packet header to determine the ultimate destination. Then, using information in its routing table or routing policy, it directs the packet to the next network on its journey. Data packets are forwarded from one router to another through an internetwork until it reaches its destination node. 4234959aef It was published bimonthly. The name was chosen in reference to Janis Joplin's rock group Big Brother and the Holding Company. The newsletter ceased publication in 1981. 4234959aef

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