

Networks

A network is a set of devices connected by communication links. A node can be a computer, printer or any other device capable of sending and/or receiving data generated by other nodes on the network.

"Computer network" to mean a collection of autonomous computers interconnected by a single technology. Two computers are said to be interconnected by a single technology. Even if they are able to exchange information.

The connection need not be via a copper wire, fiber optics, microwaves, infrared and communication satellites can also be used.

Networks come in many sizes, shapes and forms, as we will see later. They are usually connected together to make a large network for eg - Internet.

There is considerable confusion in computer network and distributed system.

Difference between Distributed System and Computer network.

Computer Network

1. Each computer has its individual existence. Eg Telnet, FTP



Distributed System

a collection of independent computers appears to its users as a single coherent system.

Eg - World Wide Web



Digital Network Notes

Lei Shi



Digital Network Notes:

Telecommunication Networks John Edward Flood, 1997 This book discusses the structure and performance of networks in the context of the services they provide Chapters are devoted to public and private networks ISDN intelligent networks mobile radio networks and broadband networks *Communications Standard Dictionary* Martin Weik, 2012-12-06 Now in its Third Edition the Communications Standard Dictionary maintains its position as the most comprehensive dictionary covering communications technologies available A one of a kind reference this dictionary remains unmatched in the breadth and scope of its coverage and its primary reference for communications computer data processing and control systems professionals **Fiber Optics Standard Dictionary** Martin Weik, 2012-12-06 Fiber Optics Vocabulary Development In 1979 the National Communications System published Technical Information Bulletin TB 79 1 Vocabulary for Fiber Optics and Lightwave Communications written by this author Based on a draft prepared by this author the National Communications System published Federal Standard FED STD 1037 Glossary of Telecommunications Terms in 1980 with no fiber optics terms In 1981 the first edition of this dictionary was published under the title Fiber Optics and Lightwave Communications Standard Dictionary In 1982 the then National Bureau of Standards now the National Institute of Standards and Technology published NBS Handbook 140 Optical Waveguide Communications Glossary which was also published by the General Services Administration as PB82 166257 under the same title Also in 1982 Dynamic Systems Inc Fiberoptic Sensor Technology Handbook co authored and edited by published the this author with an extensive Fiberoptic Sensors Glossary In 1989 the handbook was republished by Optical Technologies Inc It contained the same glossary In 1984 the Institute of Electrical and Electronic Engineers published IEEE Standard 812 1984 Definitions of Terms Relating to Fiber Optics In 1986 with the assistance of this author the National Communications System published FED STD 1037A Glossary of Telecommunications Terms with a few fiber optics terms In 1988 the Electronics Industries Association issued EIA 440A Fiber Optic Terminology based primarily on PB82 166257 The International Electrotechnical Commission then published IEC 731 Optical Communications Terms and Definitions In 1989 the second edition of this dictionary was published [InfoWorld](#) ,1995-04-24 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects [Recommendations and Reports of the CCIR, 1986: pt. 1. Fixed service using radio-relay systems](#) International Radio Consultative Committee, 1986 [Computerworld](#) ,1996-06-10 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld's award winning Web site Computerworld.com twice monthly publication focused conference series and custom research form the hub of the world's largest global IT media network *MCSE Exam Notes Windows 95* Rick Sawtell, Lance Mortensen, 1998 Candidates for the MCSE find full coverage of all they need to know for the core requirement exam on Windows 95 [Course Notes](#) ,1993 *Networking in Open Systems* IBM European Networking

Center (Heidelberg, Germany), United States. National Bureau of Standards, 1987 **Orange Book** International Telegraph and Telephone Consultative Committee, 1977 *New Technical Books* New York Public Library, 1992 Networking in Open Systems Günter Müller, Robert P. Blanc, 1987-03-25 The contributions provide an overview of research in tele communications and distributed systems The main part concentrates on the evaluation of the CCITT recommendations and ISO standards with respect to OSI and ISDN and user services It also reviews new applications that are becoming available in modern offices manufacturing and the public domain Different approaches are discussed as to how these applications can be built more easily with advanced programming tools Deals with operating systems support for communication systems Broadcasting & Cable Yearbook, 2007 **Government Reports Announcements & Index**, 1993

The Regulations of Hong Kong Hong Kong, 1993 **Official Export Guide** North American Publishing Company, 1994 Protocols and Techniques for Data Communication Networks Franklin F. Kuo, 1981 The Logic Design of Transistor Digital Computers Gerald A. Maley, John Earle, 1963 *Computer Communication Technologies for the 90's* Josef Raviv, 1988 GLOBECOM '83, 1983

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