

<<网络与通信技术百科全书>>

图书基本信息

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## <<网络与通信技术百科全书>>

### 内容概要

《网络与通信技术百科全书》是一本关于网络技术和通信技术的百科全书，内容涉及了到目前为止网络与通信方面的各种技术和应用。

《网络与通信技术百科全书》以词条的方式编排，对网络与通信中的各种技术概念和发展过程进行了概述性介绍，对于读者了解网络与通信技术有较大的帮助和指导作用。

同时，由于《网络与通信技术百科全书》具有百科全书的特点，使得《网络与通信技术百科全书》可以成为网络与通信技术方面的开发人员、工程人员、管理人员以及相关院校师生的参考用书。

## 书籍目录

A10/100/1000Base-T6Bone and IPv6 6Bone与IPv6802 Standards, IEEE 802标准 (IEEE) AbileneABONE  
 (Active Backbone) Active主干网Access Control 接入控制Access Method, Network 网络接入方法Access  
 Provider 接入提供商Access Rights 访问权限Account, User 用户帐户Accounting on the Internet 因特网记  
 帐Accounting Services 记帐服务ACID (Atomicity, Consistency, Isolation, Durability) 不可分性、一致性、  
 隔离性、持续性Acknowledgments 确认ACL (Access Control List) 接入控制表AcrobatActive  
 DirectoryActive Documents Active文档Active NetworksActive Server PageActiveXAdapter 适配器ADC  
 (Analog-to-Digital Conversion) 模数转换ADCCP (advanced Data Communications Control Procedure)  
 高级数据通信控制规程Address Resolution Protocol 地址解析协议Address, Electronic Mail 电子邮件地  
 址Addresses, Network 网络地址ADM (Add-Drop Multiplexors) 分插复用器Administrator Account 系统管  
 理员帐户Admission Control 许可控制ADPCM (Adaptive Differential Pulse Code Modulation) 自适应差分  
 脉码调制ADSL (Asymmetrical Digital Subscriber Line) 非对称数字用户线ADTM (Asynchronous Time  
 Division Multiplexing) 异步时分复用Advanced Intelligent Network 高级智能网络Advertising and  
 Advertising Services 广告和广告服务AFP (AppleTalk Filing Protocol) AppleTalk文件协议AFS (Andrew  
 File System) Andrew文件系统Agent, Internet 因特网代理Agent, Network Management 网络管理代  
 理Aggregate Route-Based IP Switching 基于路由的聚合IP交换Aggregation, Routing 路由聚合Aggregation of  
 Links 聚合 (链路) AIN (Advanced Intelligent Network) 高级智能网络AIX (Advanced Interactive  
 Executive) 高级交互执行程序ALB (Adaptive Load Balancing) 自适应负载平衡ALOHA 阿罗哈系  
 统AMPS (Advanced Mobile Phone Service) 高级移动电话业务Analog Transmission Systems 模拟传输系  
 统Andrew File System Andrew文件系统Anonymous (Guest) Access 匿名 (贵宾) 访问ANSI (American  
 National Standards Institute) 美国国家标准协会Antivirus Software 反病毒软件Anycasting 任  
 播AnyNetApacheAPI (Application Programming Interface) 应用程序编程接口APPC (Advanced  
 Program-to-Program Communications) 高级程序间通信Apple Computer Apple计算机公司Apple Open  
 Transport Protocol Apple开放传输协议AppleShareAppleTalkApplication Layer, OSI Model OSI模型应用  
 层Application-level Gateway 应用程序级网关Application Server 应用程序服务器Applications, Networks 应用  
 程序 (网络) APPN (Advanced Peer-to-Peer Networking) 高级对等联网Archiving of Data 数据存  
 档ARCNET 连接资源计算网络ARDIS (Advanced National Radio Data Service) 国家高级无线电数据业  
 务ARIN (American Registry for Internet Numbers) 美国因特网编号注册机构ARIS (Aggregate Route-based  
 IP Switching) 基于路由的聚合IP交换ARP (Address Resolution Protocol) 地址解析协议ARPANET  
 (Advanced Research Projects Agency Network) 美国国防部高级研究计划署网络AS/400, IBASIC  
 (Application-Specific Integrated Circuit) 专用集成电路ASP (Application Service Provider) 应用程序服务  
 提供商Associations 协会Asymmetrical Multiprocessing 非对称多重处理Asynchronous Communications 异步  
 通信ATM (Asynchronous Transfer Mode) 异步传输模式AT&T 美国电话电报公司Attacks and  
 Attackers 攻击和攻击者Attenuation 衰减Attributes 属性Auditing 审计Authentication and Authorization 身份  
 验证和授权Authenticode, Microsoft 微软公司的AuthenticodeAutonomous System 自治系统Availability 可用  
 性AWG (American Wire Gauge) 美国线规BBaby BellsBackbone Networks 主干网Back-End Systems 后端系  
 统Backplane Architecture 底板体系结构Backup and Data Archiving 备份和数据存档BACP (Bandwidth  
 Allocation Control Protocol) 带宽分配控制协议Bandwidth 带宽Bandwidth Brokerage 带宽代理Bandwidth  
 Management 带宽管理Bandwidth on Demand 按需带宽Bandwidth Reservation 带宽预留Banyan VINESBAP  
 (Bandwidth Allocation Protocol) and BACP (Bandwidth Allocation Control Protocol) 带宽分配协议和带  
 宽分配控制协议Baseband Network 基带网络Bastion Host 堡垒主机Baud 波特BeansBell Modem Standards  
 Bell调制解调器标准Bell Operating Companies Bell电信公司Bellman-Ford Distance-Vector Routing Algorithm  
 Bellman-Ford距离向量路由算法Benchmarking 基准评测BeOSBest-Effort Delivery 尽力传输BGP (Border  
 Gateway Protocol) 边界网关协议Bindery 装订数据库Biometric Access Devices 生物统计访问设备B-ISDN  
 (Broadband ISDN) 宽带ISDNBISYNC (Binary Synchronous Communications) 二进制同步通  
 信Bit-Oriented Protocol 面向比特的协议Block Suballocation 块再分配Block Transmission 块传输Bluetooth

蓝牙Bonding 结合BOOTP ( BOOTstrap Protocol ) 引导协议Bootstrapping or Booting 自举和引导BotsBreakout Box 中断箱BRI ( Basic Rate Interface ) 基本速率接口Bridges and Bridging 网桥和桥接Broadband Communications and Networking 宽带通信和联网Broadcast 广播Broadcast Address 广播地址Broadcast Domain 广播域Broadcast Networking 广播联网Broadcast Storm 广播风暴Broadcasting on the Internet 因特网广播Brouter ( Bridge Router ) 桥路器 ( 网桥/路由器 ) Browsers, Web Web浏览器Burst and Bursty Traffic 突发和突发通信量Bus Architectures 总线体系结构Bus Topology 总线拓扑结构Byte-Oriented Protocol 面向字节协议CC2 Security Rating C2安全等级Cable and Wiring 电缆和布线Cable ( CATV ) Data Networks 电缆 ( CATV ) 数据网络Cache and Caching Techniques 高速缓冲存储器 and 高速缓存技术Call Center Operations 呼叫中心操作Campus Network 校园网Capacity 容量Capacity Planning 容量规划CAPs ( Competitive Access Providers ) 竞争性接入提供商CapstoneCardBusCarrier Signal 载波信号Carriers and Carrier Services 电信公司和电信公司业务CCITT ( Consultative Committee for International Telephony and Telegraphy ) 国际电报电话咨询委员会CDDI ( Copper Distributed Data Interface ) 铜线分布式数据接口CDE ( Common Desktop Environment ) 公共桌面环境CDMA ( Code Division Multiple Access ) 码分多址CDPD ( Cellular Digital Packet Data ) 蜂窝数字分组数据CDSA ( Common Data Security Architecture ) 公共数据安全体系结构CEBus ( Consumer Electronic Bus ) 消费者电子总线Cells and Cell Relay 信元和信元中继Cellular Communication Systems 蜂窝通信系统Central Office 中心局Centrex ( CENTRAL Exchange ) 集中用户交换CERN CERN Proxy Services CERN代理服务CERT ( Computer Emergency Response Team ) 计算机应急小组Certificates and Certification Systems 证书和认证系统CGI ( Common Gateway Interface ) 公共网关接口Challenge/Response Protocol 询问/响应协议Channel 信道Channel Banks 信道组CHAP ( Challenge Handshake Authentication Protocol ) 询问握手身份验证协议Chat 聊天CICS, IBM IBM用户信息控制系统CIDR ( Classless Inter-Domain Routing ) 无类别域间路由CIFS ( Common Internet File System Protocol ) 公共因特网文件系统协议CIM ( Common Information Model ) 公共信息模型CIP ( Classical IP Over ATM ) 传统的ATM上的IPCIP ( Common Indexing Protocol ) 公共索引协议CIR ( Committed Information Rate ) 保证信息速率Circuit 电路Circuit Relay Firewall 电路中继防火墙Circuit-Switching Services 电路交换业务CISC ( Complex Instruction Set Computer ) 复杂指令集计算机CIX ( Commercial Internet eXchange ) Association 商用因特网交换协会Class of Service 服务类别CLEC ( Competitive Local Exchange Carriers ) 竞争性本地交换通信公司Client 客户机Client Server Computing 客户机/服务器计算CLNP ( Connectionless Network Protocol ) 无连接网络协议Cluster Controllers 群集控制器Clustering 群集CMIP ( Common Management Information Protocol ) 公共管理信息协议CNRP ( Common Name Resolution Protocol ) 普通名称解析协议CO ( Central Office ) 中心局Coaxial Cable Media 同轴电缆媒体Collaborative Computing 协作计算Co-Location Services 并置业务Collisions and Collision Domains 冲突和冲突域COM ( Component Object Model ) 组件对象模型Commercial Building Wiring Standard 商业建筑布线标准Communication 通信Communication Controller 通信控制器Communication Server 通信服务器Communication Services and Providers 通信业务和提供商CompactPCI 紧缩PCIComponent Software Technology 组件软件技术Compound Documents 复合文档Compression Techniques 压缩技术Computer-Telephony Integration 计算机-电话集成Concentrator Devices 集中器设备Conferencing 会议Configuration Management 配置管理CBQ ( Class-Based Queuing ) 基于类的排队Congestion Control Mechanisms 拥塞控制机制Connection Establishment 连接建立Connection Technologies 连接技术Connection-Oriented and Connectionless Services 面向连接和无连接服务Constraint-Based Routing 基于约束的路由选择Container 容器Container Objects, Directory Services 目录服务容器对象Content Distribution 内容分布Contention 争用Convergence 会聚Convergence of Routing Tables 路由选择表会聚CookieConvergence of Routing Tables 铜线分布式数据接口COPS ( Common Open Policy Service ) 公共开放策略服务CORBA ( Common Object Request Broker Architecture ) 公用对象请求代理程序体系结构Core Network 核心网络CoS ( Class of Service ) 服务类别CPCP ( Coffee Pot Control Protocol ) 咖啡壶控制协议CPE ( Customer Premises Equipment ) 用户驻地设备CPI-C ( Common Programming Interface for Communication ), IBM IBM 公共通信编程接口CPL ( Call Processing Language ) 呼叫处理语言Cryptography 密码技术CSMA/CD ( Carrier Sense Multiple Access/ Collision Detection ) 载波监听多路访

问/冲突检测CSR ( Cell Switched Router ), Toshiba Toshiba 信元交换路由器CSU/DSU ( Channel Service Unit/Data Service Unit ) 信道服务单元/数据服务单元CTI ( Computer-Telephony Integration ) 计算机-电话集成Customer Premises Equipment 用户驻地设备Cut-Through Architecture 切入体系结构Cut-Through Routing 切入路由选择Cyclic Redundancy Check 循环冗余检验DDAC ( Discretionary Access Control ) 随意访问控制Daemon 守护程序DAFS ( Direct Access File System ) 直接访问文件系统DARPA ( Defense Advanced Research Projects Agency ) ( 美 ) 国防高级研究计划署Data Broadcasting 数据广播Data Center Design 数据中心设计Data Communication Concepts 数据通信概念Data Compression 数据压缩Data Encoding 数据编码Data Encryption 数据加密Data Link Layer, OSI Model OSI模型数据链路层Data Link Protocols 数据链路协议Data Management 数据管理Data Mart 数据集市Data Migration 数据迁移Data Mining 数据开采Data Protection 数据保护Data Striping 数据分条Data Switches 数据交换设备Data Transfer Rates 数据传输速率Data Transmissions 数据传输Data Warehousing 数据仓储Database 数据库Datagram and Datagram Services 数据报和数据报业务DAV ( Distributed Authoring and Versioning ) 分布式创作和版本控制DAVIC ( Digital Audio Visual Council ) 数字视听委员会DB2, IBM IBM公司的DB2DBMS ( Database Management System ) 数据库管理系统DBS ( Direct Broadcast Satellite ) 直播卫星DCE ( Data Circuit-Terminating Equipment ) 数据电路终接设备DCE ( Distributed Computing Environment ) 分布式计算环境DCOM ( Distributed Component Object Model ) 分布式组件对象模型DDE ( Dynamic Data Exchange ) 动态数据交换DDR ( Dial-on-Demand Routing ) 按需拨号路由选择DECnetDedicated Circuits 专用线路Delay, Latency, and Jitter 延迟、等待时间和抖动DEN ( Directory Enabled Networks ) 目录运行网络Denial of Service Attack 拒绝服务攻击DES ( Data Encryption Standard ) 数据加密标准Dfs ( Distributed File System ), Microsoft Microsoft分布式文件系统DFS ( Distributed File System ), The Open Group Open Group分布式文件系统DHCP ( Dynamic Host Configuration Protocol ) 动态主机配置协议DHTML ( Dynamic HTML ) 动态HTMLDiagnostic Testing Equipment 诊断测试设备Dial-Up Line 拨号线路DIAMETERDigest Algorithm 摘要算法Differentiated Services ( Diff-Serv ) 区分服务Diffie-HellmanDiff-Serv ( Differentiated Services ) 区分服务Digital Signal ( DS ) Standards 数字信号标准Digital Signatures 数字签名Digitize 数字化Dijkstra Algorithm Dijkstra算法Directory Attributes and Management 目录属性和管理Directory Services 目录服务Disaster Planning and Recovery 灾害规划和恢复Discovery Services 发现服务Discretionary Access Control 随意访问控制Disk Storage Systems 磁盘存储系统Diskless Workstations 无盘工作站Distance-Vector Routing 距离向量路由选择Distributed Applications 分布式应用程序Distributed Computer Networks 分布式计算机网络Distributed Database 分布式数据库Distributed File Systems 分布式文件系统Distributed Object Computing 分布式对象计算DLC ( Data Link Control ) 数据链路控制DLC ( Digital Loop Carrier ) 数字环路载波DLSw ( Data Link Switching ) 数据链路交换DMI ( Distributed Management Interface ) 分布式管理接口DMTF ( Distributed Management Task Force ) 分布式管理任务组DNA ( Digital interNet Application ) 数字互联网应用程序DNS ( Domain Name Service ) and Internet Domains 域名服务和因特网域DOCSIS ( Data Over Cable Service Interface Specification ) 电缆数据业务接口规范Document Management 文档管理DOM ( Document Object Model ) 文档对象模型Domains, Internet 因特网域Domains, Windows NT Windows NT域Downsizing 小型化DPT ( Dynamic Packet Transport ) 动态数据分组传输DRDA ( Distributed Relational Database Architecture ) 分布式关系数据库体系结构DSA ( Digital Signature Algorithm ) 数字签名算法DSL ( Digital Subscriber Line ) 数字用户线DSP ( Digital Signal Processing ) 数字信号处理DSS ( Digital Satellite System ) 数字卫星系统DSS ( Digital Signature Standard ) 数字签名标准DSU/CSU ( Data Service Unit Channel Service Unit ) 数据服务单元/信道服务单元DSx ( Digital Signal-x ) 数字信号-xDTE ( Data Terminal Equipment ) DTE ( 数据终端设备 ) DTM ( Dynamic Synchronous Transfer Mode ) 动态同步传输模式Dublin Core Metadata for Resource Discovery 用于查找资源的Dublin Core元数据DUN ( Dial-Up Networking ) 拨号网络Duplexed Systems 双工系统DWDM ( Dense Wavelength Division Multiplexing ) 密集波分复用Dynamic Routing 动态路由选择EE Carrier E载波EAP ( Extensible Authentication Protocol ) 可扩展的身份验证协议E-Commerce 电子商务Edge Devices 边界设备EDI ( Electronic Data Interchange ) 电子数据交换EGPs ( Exterior Gateway Protocols ) 外部网关协议EIA ( Electronic Industries Alliance ) ( 美 ) 电子工业协会EIA/TIA Structured

Cabling Standards EIA/TIA结构化布线标准EIP ( Enterprise Information Portal ) 企业信息门户ELAN ( Emulated LAN ) , ATM ATM仿真局域网Electromagnetic Interference 电磁干扰Electromagnetic Spectrum 电磁频谱Electronic Commerce 电子商务Electronic Mail 电子邮件Electronic Software Distribution and Licensing 电子软件发布和许可E-mail 电子邮件Embedded Systems 嵌入式系统EMI ( Electromagnetic Interference ) 电磁干扰Emulated LAN 仿真局域网Encapsulation 封装Encryption 加密End Systems and End-to-End Connectivity 端系统和端到端连接性Enterprise Network 企业网络ENUMERP ( Enterprise Resource Planning ) 企业资源规划Error Detection and Correction 检错与纠错ESCON ( Enterprise Systems Connection ) 企业系统连接ES-IS ( End System-to-Intermediate System ) Routing 端系统-中间系统路由选择EtherLoopEthernet 以太网Ethernet EtherTalk系统Explicit Routing 显式路由选择Express Forwarding 直接转发Exterior Routing 外部路由选择Extranet 外联网FGHIJKLMNOPQRSTUVWXYZ索引

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