



Acronyms

Table A-1 defines the acronyms used in this publication.

Table A-1 List of Acronyms

| Acronym | Expansion |
|---------|--|
| AAA | authentication, authorization, accounting |
| AAL | ATM adaptation layer |
| ACE | access control entry |
| ACL | access control list |
| AFI | authority and format identifier |
| AMP | active monitor present |
| APaRT | automated packet recognition and translation |
| ARP | Address Resolution Protocol |
| ASLB | accelerated server load balancing |
| ATM | Asynchronous Transfer Mode |
| BDD | binary decision diagram |
| BER | baud error rate |
| BES | bursty errored seconds |
| BIA | bottom interface adapter |
| BPDU | bridge protocol data unit |
| BRF | bridge relay function |
| BUS | broadcast and unknown server |
| CAM | content-addressable memory |
| CDP | Cisco Discovery Protocol |
| CEF | Cisco Express Forwarding |
| CLI | command-line interface |
| COPS | Common Open Policy Service |
| COPS-DS | COPS Differentiated Services |
| COPS-PR | COPS for Provisioning |
| CoS | class of service |

Table A-1 List of Acronyms (continued)

| Acronym | Expansion |
|----------------|---|
| CPLD | Complex Programmable Logic Device |
| CRC | cyclic redundancy check |
| CRF | concentrator relay function |
| DCC | Data Country Code |
| DEC | Digital Equipment Corporation |
| DFI | Domain-Specific Part Format Identifier |
| DHCP | Dynamic Host Configuration Protocol |
| DISL | Dynamic Inter-Switch Link |
| DMP | data movement processor |
| DNS | Domain Name System |
| DRAM | dynamic RAM |
| DRiP | Dual Ring Protocol |
| DSAP | destination service access point |
| DSBM | Designated Subnet Bandwidth Manager |
| DSCP | differentiated services code point |
| DSP | digital signal processing or processor |
| DTP | Dynamic Trunking Protocol |
| DWDM | dense wavelength division multiplexing |
| EAP | Extensible Authentication Protocol |
| EARL | Enhanced Address Recognition Logic |
| EEPROM | electrically erasable programmable read-only memory |
| EPLD | Erasable Programmable Logic Device |
| ESI | end-system identifier |
| FCS | frame check sequence |
| FDL | facilities data link |
| FEFI | far end fault indication |
| GARP | General Attribute Registration Protocol |
| GBIC | Gigabit Interface Converter |
| GMRP | GARP Multicast Registration Protocol |
| GSR | Gigabit Switch Router |
| GVRP | GARP VLAN Registration Protocol |
| HCRMON | High Capacity RMON |
| HDD | hard disk drive driver |
| HTTP | HyperText Transfer Protocol |
| ICD | International Code Designator |
| ICMP | Internet Control Message Protocol |

Table A-1 List of Acronyms (continued)

| Acronym | Expansion |
|----------------|---|
| IETF | Internet Engineering Task Force |
| IDP | initial domain part |
| IDS | Intrusion Detection System Module |
| IGMP | Internet Group Management Protocol |
| ILMI | Integrated Local Management Interface |
| IP | Internet Protocol |
| IPC | interprocessor communication |
| IPX | Internetwork Packet Exchange |
| ISL | Inter-Switch Link |
| ISO | International Organization of Standardization |
| IST | Internal Spanning Tree |
| KDC | Key Distribution Center |
| LACP | Link Aggregation Control Protocol |
| LAN | local-area network |
| LANE | LAN Emulation |
| LCP | Link Control Protocol |
| LCV | line code violation seconds |
| LDA | LocalDirector Accelerator |
| LEC | LAN emulation client |
| LECS | LAN emulation configuration server |
| LEM | link error monitor |
| LER | link error rate |
| LES | LAN emulation server or line errored seconds |
| LLC | logical link control |
| MAC | Media Access Control |
| MDG | multiple default gateway |
| MIB | Management Information Base |
| MII | media-independent interface |
| MISTP | Multi-Instance Spanning Tree Protocol |
| MLS | multilayer switching |
| MMLS | multicast multilayer switching |
| MOP | Maintenance Operation Protocol |
| MOTD | message of the day |
| MSFC | Multilayer Switch Feature Card |
| MSM | Multilayer Switch Module |
| MST | Multiple Spanning Tree |

Table A-1 List of Acronyms (continued)

| Acronym | Expansion |
|----------------|--|
| MTP | Media Termination Point |
| MTU | maximum transmission unit |
| MVAP | multiple VLAN access port |
| NAM | Network Analysis Module |
| NDE | NetFlow Data Export |
| NMP | Network Management Processor |
| NSAP | network service access point |
| NTP | Network Time Protocol |
| NVRAM | nonvolatile RAM |
| OAM | Operation, Administration, and Maintenance |
| ODM | order dependent merge |
| OID | object identifier |
| OSI | Open System Interconnection |
| OUI | organizational unique identifier |
| PAE | port access entity |
| PAgP | Port Aggregation Protocol |
| PBF | policy-based forwarding |
| PBR | policy-based routing |
| PCM | pulse code modulation |
| PCR | peak cell rate |
| PDP | policy decision point |
| PDU | protocol data unit |
| PEP | policy enforcement point |
| PFC | Policy Feature Card |
| PHY | physical sublayer |
| PIB | policy information base |
| PPP | Point-to-Point Protocol |
| pps | packets per second |
| PRBS | Pseudo Random Binary Sequence |
| PRID | policy rule identifiers |
| PROM | programmable read-only memory |
| PVID | port VLAN identifier |
| PVST | per VLAN spanning tree |
| QoS | quality of service |
| RADIUS | Remote Access Dial-In User Service |
| RAM | random-access memory |

Table A-1 List of Acronyms (continued)

| Acronym | Expansion |
|----------------|---|
| rcp | Remote Copy Protocol |
| RGMP | Router-Ports Group Management Protocol |
| RIF | Routing Information Field |
| RMON | Remote Monitoring |
| ROM | read-only memory |
| RSA | Rivest, Shamir, and Adleman (a public-key cryptographic system) |
| RSPAN | remote SPAN |
| RST | reset |
| RSVP | ReSerVation Protocol |
| SAID | Security Association Identifier |
| SAP | service access point |
| SIMM | single in-line memory module |
| SLCP | Supervisor Line-Card Processor |
| SLIP | Serial Line Internet Protocol |
| SMP | standby monitor present |
| SMT | station management |
| SNAP | Subnetwork Access Protocol |
| SNMP | Simple Network Management Protocol |
| SPAN | Switched Port Analyzer |
| SRB | source-route bridging |
| SRT | source-route transparent bridging |
| SSH | Secure Shell |
| STE | Spanning Tree Explorer |
| STP | Spanning Tree Protocol |
| SVC | switched virtual circuit |
| TAC | Technical Assistance Center (Cisco) |
| TACACS+ | Terminal Access Controller Access Control System Plus |
| TCP/IP | Transmission Control Protocol/Internet Protocol |
| TDR | Time Domain Reflectometer |
| TFTP | Trivial File Transfer Protocol |
| TGT | ticket granting ticket |
| TOS | type of service |
| TLV | type-length value |
| TrBRF | Token Ring Bridge Relay Function |
| TrCRF | Token Ring Concentrator Relay Function |
| TTL | time to live |

Table A-1 List of Acronyms (continued)

| Acronym | Expansion |
|----------------|---|
| UART | Universal Asynchronous Receiver/Transmitter |
| UDLD | UniDirectional Link Detection |
| UDLP | UniDirectional Link Protocol |
| UDP | User Datagram Protocol |
| UNI | User-Network Interface |
| UTC | Coordinated Universal Time |
| VACL | VLAN access control list |
| VCC | virtual channel connection (in ATM technology), virtual channel circuit |
| VCI | virtual circuit identifier |
| VCR | virtual configuration register |
| VIP | virtual IP address |
| VLAN | virtual LAN |
| VMPS | VLAN Membership Policy Server |
| VoIP | Voice over IP |
| VTP | VLAN Trunk Protocol |
| VID | VLAN ID |
| VVID | voice VLAN identifier |
| WRED | weighted random early detection |
| WRR | weighted round-robin |