Protocol Family Encapsulations

WildPackets

Layer 7—Application

Provides standard services to applications and end-user interfaces.

Layer 6—Presentation

Performs data format conversion. Provides compression, encoding, and encryption of data.

Layer 5—Session

Establishes sessions between services. Synchronizes and performs translations for naming services

Layer 4—Transport

Manages connections and provides reliable packet delivery. Operates in units of messages.

Layer 3—Network

Addresses and routes datagrams. Performs fragmentation and reassembly (IP). Operates in units of packets.

Layer 2—Logical Link

Provides hardware addressing and error detection/correction. Operates in units of frames.

Layer 1—Physical

Defines connection, electrical, and wiring specifications. Operates in units of bits.

TCP/IP

- NTP RFC 1305
- RWhois RFC 2167
- TFTP RFC 1350
- SNMP RFC 1902..8
- BOOTP RFC 1542
- DHCP RFC 2132
- Mount
- NFS RFC 1813
- NIS
- PMAP
- RSTAT
- XDR RFC 1832
- RPC RFC 1831
- UDP RFC 0768
- CMOT RFC 1095
- FTP RFC 0959
- HTTP RFC 2068
- ISO-DE
- SMTP RFC 0821
- Telnet RFC 0854
- X Windows
- TCP RFC 0793
- LPR
- RCP
- REXEC
- RLOGIN RFC 1282
- RSH
- DNS RFC 1034,5
- NetBIOS RFC 1001,2
- TCP & UDP
- BGP RFC 1771
- EGP RFC 0904
- GGP
- ICMP RFC 0792
- IGRP
- ND
- OSPF RFC 2178
- RIP RFC 1723
- IP RFC 0791
- ARP RFC 0826
- DARP
- IARP RFC 1293
- RARP RFC 923

Ethertype 0800 (IP), 0806 (ARP), 8035 (RARP)
802.2 LLC 06 (IP only)
802.2 LLC SNAP 0800 (IP), 0806 (ARP), 8035 (RARP)

Novell Netware

- LSP
- NDS
- NCP
- NLP
- NWBCAST
- NWDIAG
- NWSER
- WatchDog
- SAP
- NetBIOS
- SPX
- SPX II
- NLSP
- PING
- RIP
- IPX

Ethertype 8137
Novell "Raw"
802.2 LLC EO
802.2 LLC SNAP 8137

DECnet

- LAT
- MOP
- SCS
- LAVC
- DAP
- NCE
- DNS
- CTERM
- FOUND
- SCP
- NSP
- DRP

Ethertype 6001, 2 (MOP), 6003 (DRP), 6004 (LAT) 6007 (LAVC)

NetBEUI

- SMB
- NetBEUI

802.2 LLC F0

AppleTalk

- AARP
- ADSP
- AURP
- TOPS
- SoftTalk
- ZIP
- AEP
- AFP
- ASP
- ZIP
- ATP
- Postscript
- PAP
- ATP & NBP
- RTMP
- DDP

802.2 LLC SNAP
809B (DDP), 80F3 (AARP)

ISO

- FTAM
- MMS
- ODA
- VTP
- ASCE
- CMIP
- X.500 DS
- ASCE/ROSE
- X.400 MHS
- ASCE/ROSE/RTSE
- ISO PP
- ISO SP
- NetBIOS
- ISO TP
- CLNP/CONS
- IS-IS
- IDRP

802.2 LLC 14, 20, 34, 54, EC, FE

AARP	AppleTalk Address Resolution Protocol
ADSP	AppleTalk Data Stream Protocol
AEP	AppleTalk Echo Protocol
AFP	AppleTalk Filing Protocol
ARP	Address Resolution Protocol
ASCE	Association Control Service Element
ASP	AppleTalk Session Protocol
ATP	AppleTalk Transaction Protocol
AURP	AppleTalk Update Routing Protocol
BGP	Border Gateway Protocol
BOOTP	Boot Protocol
CLNP	Connectionless Network Protocol
CMIP	Common Management Information Protocol
CMOT	CMIP over TCP/IP
CONS	Connection Oriented Network Protocol
DARP	Dynamic Address Resolution Protocol
DDP	Datagram Delivery Protocol
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
EGP	Exterior Gateway Protocol
FTAM	File Transfer Access and Management
FTP	File Transfer Protocol
GGP	Gateway to Gateway Protocol
HTTP	HyperText Transfer Protocol
IARP	Inverse Address Resolution Protocol
ICMP	Internet Control Message Protocol
IDRP	Interdomain Routing Protocol
IGRP	Interior Gateway Routing Protocol
IP	Internet Protocol
IPX	Internet Packet Exchange
IS-IS	Intermediate System to Intermediate System Routing
ISO PP	Presentation Protocol
ISO SP	Session Protocol
ISO TP	Transport Protocol
ISO-DE	Development Environment
LPR	Remote Print
LSP	NetWare Lite Sideband Protocol
MMS	Manufacturing Message Service
Mount	Mount Server
NBP	Name Binding Protocol
NCP	NetWare Core Protocol
ND	Network Disk
NDS	NetWare Directory Service
NetBEUI	NetBIOS Enhanced User Interface
NetBIOS	Network Basic Input/Output System
NFS	Network File System
NIS	Network Information Services
NLP	NetWare Lite Protocol
NLSP	NetWare Link State Protocol
NTP	Network Time Protocol
NWBCAST	NetWare Broadcast Message Notification
NWDIAG	NetWare Diagnostic Support Protocol
NWSER	NetWare Serialization Protocol
ODA	Office Document Architecture
OSPF	Open Shortest Path First
PAP	Printer Access Protocol
PING	Packet Internet Groper
PMAP	Port Mapper
RARP	Reverse Address Resolution Protocol
RCP	Remote Copy
REXEC	Remote Execution
RIP	Routing Information Protocol
RLOGIN	Remote Login
ROSE	Remote Operations Service Element
RPC	Remote Procedure Call
RSH	Remote Shell
RSTAT	Remote Statistics
RTMP	Routing Table Maintenance Protocol
RTSE	Reliable Transfer Service Element
RWhois	Remote Whois
SAP	Service Advertisement Protocol
SMB	Server Message Block
SMTP	Simple Mail Transfer Protocol
SNMP	Simple Network Managment Protocol
SPX	Sequenced Packet Exchange
TCP	Transmission Control Protocol
Telnet	Telecommunications Network Protocol
TFTP	Trivial File Transfer Protocol
TOPS	Transcendental Operating System
UDP	User Datagram Protocol
VTP	Virtual Terminal Protocol
WatchDog	Station Keep Alive
X Windows	Graphical Windows
X.400 MHS	Message Handling System
X.500 DS	Directory Services
XDR	Exchange Data Representative Protocol
ZIP	Zone Information Protocol

WildPackets, Inc. 2540 Camino Diablo Walnut Creek, CA 94596
Phone: 925.937.7900, 800.466.2447 Fax: 925.937.2479 Web: www.wildpackets.com Email: info@wildpackets.com

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