TCP/IP Connection for Macintosh 2.0.4 (6/95)

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TOPIC --

TCP/IP Connection for Macintosh provides the software needed to connect your
Macintosh to TCP/IP networks.

DISCUSSION ---

Included with TCP/IP Connection is the latest version of the MacTCP transport
stack, along with updated software drivers for LocalTalk, Ethernet, and
TokenRing. Since TCP/IP Connection includes support for the industry-standard
Simple Network Management Protocol (SNMP), networked Macintosh computers can be
managed from a variety of available TCP/IP-based SNMP consoles, including those
based on UNIX operating systems.

TCP/IP Connection provides the standard interface for all Macintosh-based TCP/IP
network applications, such as ftp, Telnet, NFS and others. The software includes
a full protocol implementation (MacTCP), a Domain Name Resolver, support for
Hosts files, and a testing-diagnostic application (MacTCP Ping).

Apple also offers TCP/IP Administration for Macintosh, a product that provides
comprehensive documentation and utilities for centralized management of TCP/IP
and MacSNMP software. MacTCP configuration tools, available with TCP/IP
Administration for Macintosh, give a network administrator the choice of
controlling all configuration parameters or assigning configuration authority to
users.

Available through all Apple retail channels, TCP/IP Connection for Macintosh can
be purchased as a single-user package. Volume licensing is available through a
convenient and economical multi-user license extension, as well as through
Apple's volume-licensing program.

FEATURES

Connectivity
• Supports multiple concurrent TCP/IP services
• Supports concurrent use of multiple protocols such as TCP/IP, AppleTalk,
  DECnet, and IPX
• TCP/IP and other protocols can share the same Ethernet or TokenRing
  interface

- Works with all current Macintosh computers, including Power Macintosh

Naming & Directory Services
- Provides domain name resolver services to applications
- Supports local Hosts file entries

Network Management
- Provides network and system information from Macintosh computers over an TCP/IP network
- Alows the network administrator to pre-configure and lock MacTCP and MacSNMP software (requires TCP/IP Administration for Macintosh)
- Provides built-in TCP/IP, Network, and Macintosh agents for complete management data availability
- Allows for additional agents and transports from Apple and third parties
- Allows access to SNMP management information over both AppleTalk and TCP/IP protocols when combined with AppleTalk Connection for Macintosh

Other Features
- Provides a single, standard system-level implementation of TCP/IP for all Macintosh systems and all TCP/IP applications for Macintosh

TECHNICAL SPECIFICATIONS

TCP/IP Details

MacTCP implements the following protocols:
- IP (RFCs 971, 894; MIL-STD 1777)
- UDP (RFC 768)
- TCP (RFC 793, MIL-STD 1778)
- ARP (RFC 826)
- RARP (RFC 903)
- ICMP (RFC 792)
- BootP (RFCs 951,1048)
- RIP (RFC 1058)
- DNS (RFCs 1034, 1035)

MacTCP complies with:
- Internet Subnetting (RFC 950)
- Internet Assigned Numbers (RFC 1340)
- Requirements for Internet Hosts - Communications Layers (RFC 1122)
- Standard for the Transmission of IP Datagrams over IEEE 802 Networks (RFC 1042)

MacSNMP Details

The SNMP agents included in TCP/IP Connection for Macintosh support Management Information Base (MIB) definitions:
- TCP/IP MIB-II (RFC 1213);
- The Macintosh System MIB.
MacSNMP supports multiple network transports. To manage Macintosh computers using AppleTalk protocols, you need AppleTalk Connection for Macintosh.

Network Requirements

• LocalTalk connections also require a router with AppleTalk to TCP/IP (DDP-IP)
gateway support, such as the Shiva Corporation FastPath or the Cayman System's
GatorBox.

System Requirements

• A Macintosh Plus or later model Macintosh computer with the appropriate
datalink such as built-in LocalTalk or Ethernet, or a networking card such as
the Apple Ethernet NB Card, Apple Ethernet LC Card, or the Apple TokenRing 4/16
NB Card, or compatible card.
• A 1.44 MB floppy disk drive such as the Apple SuperDrive.
• To use the TCP/IP software, you need System 6 (6.0.5 or later) or System 7 and
at least 2 MB of RAM.
• To use the MacSNMP software, you need System 7 or later (4 MB of RAM
recommended). You also need an SNMP Console that supports TCP/IP, such as those
available from IBM, Sun, and Hewlett-Packard.

ORDERING & LICENSING INFORMATION

TCP/IP Connection for Macintosh
Single-user package (Order No. M8113Z/B)
• TCP/IP protocol stack
• Datalink drivers
• MacSNMP Client
• Macintosh, TCP/IP, and Network agents and MIBs
• TCP/IP Connection Installation and User's Guide
20-user license extension (Order No. M8115Z/B). This license extension contains
no software.

TCP/IP Administration for Macintosh
Single-user package (Order No. M8114Z/B)
• Complete TCP/IP Connection for Macintosh product
• MacTCP Admin software
• MacSNMP Admin (SNMP configuration) software
• TCP/IP Administration: Overview and Installation
• TCP/IP Connection Installation and User's Guide
• MacTCP Administrator's Guide
• MacSNMP Administrator's Guide

AppleTalk Connection for Macintosh
Single-user package (Order No. M8069Z/B)
• AppleTalk protocol stack
• Datalink drivers
• MacSNMP Client
• Macintosh, AppleTalk, and Network agents and MIBs
• AppleTalk Connection Installation and User's Guide
20-user license extension (Order No. M8065Z/B). This license extension
contains no software.

TCP/IP Connection Large Volume Licenses and Software Maintenance Agreements.
Details are available from your authorized Apple sales representative.

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Support Information Services

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