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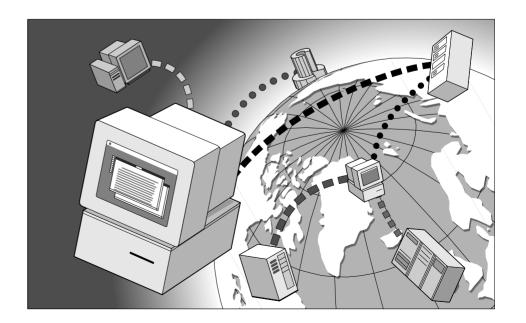
Naming & Directory Services
- Provides domain name resolver services to applications
- Supports local Hosts file entries

Network Management
- Provides network and system information from Macintosh computers over an TCP/IP network
- Allows 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

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

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 centralised 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 through the ClarisPlus volume-licensing programme.

Ordering & Licensing Information

TCP/IP Connection for Macintosh
Single-user package
- 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.This license extension contains no software.

TCP/IP Administration for Macintosh
Single-user package
- 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
- 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. This license extension contains no software.

TCP/IP Connection – Large Volume Licenses and Software Maintenance Agreements
Details are available through the ClarisPlus volume licensing programme. Contact your local distributor for details

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.

Mac™ OS