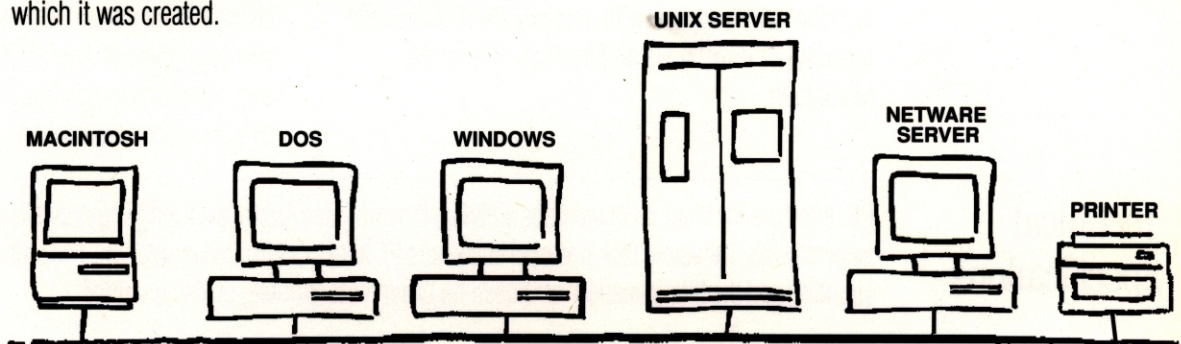# PC-Interface™ for Macintosh®

Introduction: Desktop-to-UNIX Integration

PC-Interface is a LAN software product that integrates DOS, Windows™, and Macintosh® personal computer users with UNIX® resources. It offers the power of UNIX to personal computer users on their own terms.

That is, users can access shared UNIX resources with commands they already know–there is no new interface to learn. They can access any file on any UNIX host regardless of which personal system on which it was created.

The user's operation is not changed by the presence of a network or by the UNIX-based server(s).

PC-Interface is currently supported on a number of UNIX systems. With the addition of PC-Interface for Macintosh, the PC-Interface family has been extended to offer industry-standard AppleTalk® -compatible file and print services for Macintosh users.

MACINTOSH   DOS   WINDOWS   UNIX SERVER   NETWARE SERVER   PRINTER

Product Highlights

Transparent File and Resource Sharing
Users see UNIX resources and files as though they are local PC facilities.

Standard DOS, Windows and Macintosh Commands
The use of standard DOS commands and the use of Windows and AppleShare® procedures mean there is nothing new for users to learn.

Non-Dedicated UNIX Server
UNIX systems perform standard functions while simultaneously acting as DOS and Macintosh network servers.

Works on Novell NetWare Networks
PC-Interface for DOS can run along side the Novell client, thus giving users access to both Novell NetWare® servers and UNIX PC-Interface servers.

Concurrent Multiple UNIX Host Systems Support
Personal computer users can connect to multiple UNIX systems concurrently for file and printer service.

Integrated DOS-Mac-UNIX File System and Security
Data integrity is ensured for DOS, Macintosh,and UNIX users because file and record locking and UNIX file permission modes are supported.

Printer Sharing
DOS and Macintosh users can access UNIX printers and DOS and UNIX users can access PostScript® printers connected to an AppleTalk network.

Full Function Terminal Emulation
Users can run multiuser, multitasking UNIX applications directly from their personal computers. You get more powerful personal computers and eliminate the cost of additional terminals.

PC-Interface™ for Macintosh

Features

PC-Interface for Macintosh provides a number of features specifically enhanced for the Macintosh environment.

Supports All Macintosh Systems

PC-Interface for Macintosh supports all Macintosh systems (meeting the hardware and software requirements below) to ensure broad support for current and future Macintosh installations.

Uses Standard Apple Networking Software

PC-Interface for Macintosh is fully compliant with the AppleTalk Phase 2 standards and requires no additional networking software for the Macintosh. This ensures complete support for and integration with Apple networking hardware and software products.

LocalTalk and Ethernet

The Macintosh systems can be connected via the built-in LocalTalk™ support (with a LocalTalk-to-EtherTalk™ gateway) or directly via an EtherTalk card in the Macintosh.

Share AppleTalk Printers with DOS and UNIX

Using PC-Interface, DOS and UNIX system users can take advantage of AppleTalk-connected printers. This way, special purpose Macintosh printers can be shared by your whole organization.

Technical Specifications

PC-Interface for Macintosh includes software that provides AppleTalk Filing Protocol file sharing on UNIX operating system hosts, the AppleTalk protocol stack, and PCIterm for terminal emulation. The software which provides print spooling and the filters needed for accessing LaserWriter printers is also included.

PC-Interface for Macintosh is licensed by the number of concurrent users per UNIX host. It is available in 2, 5, 10, and unlimited user versions. Print service is included (bundled) with all versions of the product. Field upgrades from one level to another are also available.

Hardware Requirements

Macintosh
- For Ethernet connections, an applicable Macintosh Ethernet card with an EtherTalk Phase 2 driver is required. No gateway is required for these systems.
- For LocalTalk connections, a LocalTalk-to-EtherTalk gateway such as a Shiva EtherGate or a Cayman GatorBox is required to connect the LocalTalk Macintosh systems to the UNIX host.

UNIX Host
- Vendor-supported Ethernet card.

Software Requirements

Macintosh
- Macintosh System 6.0.4 or higher.
- AppleShare Client software.

UNIX Host
- The PC-Interface for Macintosh server has been ported to several UNIX system platforms. Check with your Locus representative for a list of specific systems supported.
- Vendor-supported TCP/IP service.

Locus Computing Corporation