



on a UNIX printer, all with no extra effort on the user's part. The product also includes a terminal-emulation system for character terminals (no X client). A POP3 email server can integrate Microsoft Outlook and other popular Windows email clients with a UNIX server. And resource sharing makes UNIX and Windows resources all look the same under Windows Explorer. FacetWin has been able to do all these tricks for a while. But or FacetWin 3, the company added several new capabilities.

are fully accessible as a gateway to the Internet for Web browsing, email, FTP (File Transfer Protocol), and any other service the Windows users could want. IMS is an important addition for many companies because it provides two important benefits. First, it eliminates the need to install modems and telephone lines in each Windows client. Second, it allows for better use of existing modem banks by remote-access servers, dial-in or dial-out modems, and fax devices already connected to the UNIX server. The installation and con-

Unparalleled Windows-to-Unix Integration

By Tim Parker, SCO World

FacetWin Version 3 was reviewed in the January/February issue of SCO World by Technical Editor Tim Parker. We have reprinted the full article here in our newsletter for the benefit of our loyal customers, partners and friends.

FacetCorp's latest release, FacetWin version 3, adds a host of new features to an already excellent package. As a result, this version makes a worthy upgrade for existing users. For those of you who are unfamiliar with the software, FacetWin provides Windows-to-UNIX integration. It accomplishes this task by offering Windows clients for most user services demanded from a UNIX server. Transparent file transfers easily move files back and forth from Windows to UNIX and vice versa. A print facility lets UNIX print on your Windows printer and lets Windows print

The most important of the new FacetWin 3 additions is probably the IMS (Internet Modem Server) ability. The IMS allows a bunch of Windows clients to share a bank of modems attached to a UNIX server. The modems

figuration of IMS on each Windows client is simple, taking only a minute or two. After configuring the Windows system, a user on that system isn't aware of the connection to the UNIX modem bank.

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"Excellent new features. The best Windows-to-UNIX compatibility tool just got better."

**- Tim Parker,
Technical Editor
with SCO World**

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Version 3 is Unparalleled

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The user simply accesses the Internet as if it were attached to the Windows machine. Obviously, throughput depends on the number of modems and number of users on the system.

The second impressive new feature is PC Backup and Restore. This utility lets a Windows user or the UNIX administrator back up and restore Windows file system files on UNIX backup devices. All the usual bells and whistles are available. They include incremental backups, compression, and multiple-volume backups. Even better, you can not only do backups to multiple devices with mixed media but also set a backup for several Windows machines in one operation. An Explorer-like interface simplifies the procedure.

We tested FacetWin 3 on a network equipped with Unixware, SCO OpenServer, HP-UX 10.2, and Solaris 2.7 servers. We installed FacetWin 3 on 12 Windows clients.

Since all the basic FacetWin features, such as file transfers and terminal emulation, are similar to the previous releases, we concentrated on the two important new features.

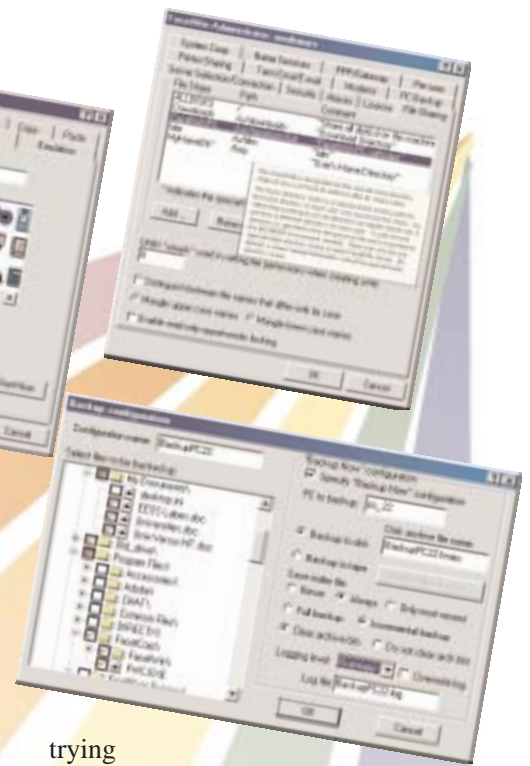
We configured IMS by allocating a bank of four 56-Kbps modems. We connected all the modems to an ISP (Internet

service provider), using MPPP (Multilink Point-to-Point Protocol) through the Unixware server. All 12 Windows clients easily accessed the modem bank transparently, just as they would a dedicated gateway connection to the Internet. Traffic took a hit when all 12 clients were downloading Web sites. However, adding more modems or faster access methods would easily solve this problem. To test IMS with faster modem lines, we used two Control Corp. (Maple Grove, Minn.) ISDN (Integrated Services Digital Network) routers and configured eight ISDN connections (1.024 Mbps). Again, IMS easily used the modem bank, controlled by the OpenServer system. All 12 Windows clients behaved perfectly.

To test the PC Backup and Restore system, we used a Sony AIT (Advanced Intelligent Tape) drive on the OpenServer system, and an HP DLT (digital linear tape) drive on the UNIXWARE server. We then performed individual backups of the clients to each drive. The backups and restores worked perfectly, as expected. Acting as an administrator, we then configured the 12 Windows clients to back up their entire file systems in turn, every night, to one of the two drives. Every morning we had a tape with a complete network backup. This result is an ideal situation for administrators.

With Windows 2000 coming soon, we tested FacetWin 3 under that OS. The tools worked perfectly, with the exception of IMS. Since

IMS doesn't work under Windows NT 4.0 either, there must be some conflict Facet is still



trying to resolve. All the other features of FacetWin 3 (the new additions to version 3 and the basic UNIX-Windows connectivity tools) functioned without pause.

Configuring a UNIX application under Windows is easy with the Control Panel applet installed with FacetWin 3. Using the applet, we configured most applications in less than a minute. Since the disk requirements for FacetWin 3 are benign (about 5 MB), users can comfortably deploy it on all Windows machines on a network. No conflicts occur with NFS, either, because FacetWin 3 uses CIFS (Common Internet File System). CIFS and SMB (Server Message Block) provide the same functionality as NFS. However, they are native to Windows and don't require servers.

FacetWin 3 is \$195 for a single user. Volume discounts are available. If you need modem sharing or Windows-to-UNIX backups, the package is well worth its cost. But getting the rest of the FacetWin toolset is a definite bonus. 🌐

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Tim Parker is Technical Editor of SCO World magazine. Visit www.scoworld.com for more information.



"I'd recommend FacetWin to others due to the outstanding support by everyone at FacetCorp!"

Success Story: **McLeod Software**

– **Chris Kent, Director of Networking
McLeod Software**

Challenge

When McLeod Software needed to find a PC-to-UNIX connectivity solution for their customers and in-house use, they were more than happy to try FacetWin from FacetCorp. As long-time satisfied FacetTerm resellers, the staff at McLeod Software was familiar with the excellent support and quality of products from FacetCorp.

LoadMaster software, developed by McLeod Software, is a UNIX based application for the trucking industry that is built on an Informix database engine.

LoadMaster includes modules to handle dispatching, accounting, operations, vehicle maintenance, and add-on modules such as document imaging and interactive voice response.


As LoadMaster users migrated from "dumb" character terminals to PCs, they needed to find a connectivity solution to enable easy access to files stored on the UNIX servers. They also needed the ability to share printers between the two environments.

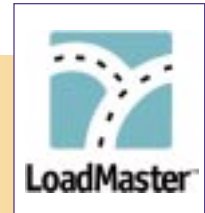
Solution

McLeod Software chose FacetWin as their PC to UNIX connectivity solution for their customers and for their in-house use.

Chris Kent, Director of Networking at McLeod Software, explained the reasons why FacetWin was chosen. "We were impressed by the File & Print sharing features," commented Kent. "FacetWin provides us with the ability to turn a printer that would otherwise be limited to printing from PC applications only, into a UNIX system printer too," he continued.

Kent went on to explain the main reason for selecting FacetWin as their in-house solution. "We also knew it was important to gain direct experience using the software" continued Kent. "In fact, all PC-equipped employees take advantage of the file and print sharing feature. Many use FacetWin's terminal emulator too!"

Experience has shown that our most successful FacetWin resellers have chosen FacetWin as their in-house solution for connecting their Windows PCs to their UNIX servers. 



Corporate Profile

McLeod Software has been providing software solutions for the trucking industry since 1985. Their software package, LoadMaster, features the functions trucking company executives need to operate their businesses more efficiently.

Dilemma

McLeod Software needed a way for their customers to share file and printer resources between their PCs and UNIX servers as they migrated from using "dumb" character terminals. They also needed a similar in-house solution.

Resolution

McLeod Software found one solution that fit both of their needs! They not only resell FacetWin to all their customers, they also have chosen FacetWin as their in-house PC-to-UNIX connectivity solution.

System Snapshot

UNIX Server — IBM RS/6000

Windows Clients — Windows 95

FacetWin User Count — In-house 130,
Customers 1,000+

BRAIN TEASER



What is a positive four-digit number, with four different digits, that is equal to the number formed by its digits in descending order minus the number formed by its digits in ascending order?

For the answer to this brainteaser, please refer to our website: www.facetcorp.com. You may also send an email to marketing@facetcorp.com or send a fax to FacetCorp Marketing 972/612-2035.

**Taken from: Tim Sole & Rod Marshall, Nearly Impossible Brain Bafflers, New York, New York: Sterling Publishing Co., Inc., 1998*



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5 What's New at FacetCorp?

FacetCorp Open House

Thanks to all who attended our Open House, it was a great success!

Customers, partners and resellers had a chance to meet with the FacetCorp employees and get a tour of the new 12,000 square foot facility.

FacetCorp Headquarters.



The southwestern food and blue margaritas were enjoyed by all.



Some of the FacetCorp employees pose for a photo before the Open House begins.



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FacetWin for Red Hat Linux!

Visit our web-site to pick up the latest build of FacetWin (Version 3.1.b, build 426) which, among other enhancements, includes a new, separate port for Red Hat Linux.

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FacetWin®

The All-in-one Windows to UNIX Integration Software Solution

**Version 3
Now Available!**

FacetWin makes Windows®95/98® and Windows NT® to UNIX integration easy and affordable.

- **File & Print Services**

No need for NFS or FTP . . . files and printers on UNIX systems simply appear as local resources to your PC, and are ready to use!

- **Terminal Emulation**

World class terminal emulation from the terminal experts that brought you FacetTerm®. Set up a UNIX application with a Windows icon in one minute!

- **Simple Sign-On™ (SSO)**

Single network login for all services with user list controllable from NT.

- **Graphical Administration**

Complete administration from Windows with context sensitive help.

- v3** • **Internet Modem Server**

Shares UNIX modems with PC users for efficient access to the World Wide Web (separate internet service provider required).

- v3** • **PC Backup/Restore**

Allows UNIX system administrator or individual PC users to backup PC files to a UNIX system disk or tape.

Just ask for a **FREE EVALUATION** copy of FacetWin, or download a copy from our web site at www.facetcorp.com.

The ultimate in Windows to UNIX connectivity



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