

ATTACHMATE. NETWIZARD PLUS

The intelligent, scalable software management solution.

NetWizard® Plus from Attachmate® lets you simplify and automate the process of distributing and updating software on enterprise PCs. And with NetWizard metering, inventory and licensing functions, you can keep track of and control the software and hardware that's being used.

Working with hundreds of PCs is as easy as working with a single PC. With NetWizard Plus:

- You can easily deploy, configure and manage *any* workstation software throughout large enterprise environments.
- You can manage software on any PCs on any LANs or WANs, including those with differing protocols such as IPX™ and TCP/IP.
- You can manage any DOS, Windows®, Windows 95, Windows NT® or Macintosh® software — even custom applications.
- You can easily troubleshoot remote problems and verify operations, using the complete remote control and file editing capabilities.
- You can transfer files from any network node to any other node.
- You can discover what hardware and software is used, determine who can use various products, and get your entire system working properly.
- You can easily enforce license limitations for commercial software.

Special and unique features.

A complete software management system, NetWizard Plus provides a surprisingly large number of productivity-enhancing features, many of them unique. These include...

- Peer-to-peer operation to accommodate any LAN or WAN topology and multiple communication protocols, plus async dial-out capability.
- Efficient management on large networks through branch distribution.
- An outstanding user interface.
- Powerful Distribution Transactions for automation and safety.
- The ability to undo distributions, automatically or on demand.
- Software and hardware inventory.
- Software metering and licensing.
- Remote control and interactive 'chat.'
- Windows 95 and Windows NT System Policy management, for enhanced control over user PC application and operating system parameters.
- Integration with any ODBC-accessible database for reporting, and with Desktop Management Interface standards for inventory and asset management.
- Easy workstation configuration and troubleshooting.
- Configurable user-based feature access.
- Comprehensive security features to protect administrators and end users.

Let NetWizard Plus handle all your Windows 95 and Windows NT installation needs. NetWizard makes it much easier to install the operating system — and then distribute the application updates — on every PC or server in your enterprise.

NetWizard Plus environmental advantages.

- Compatible with all communication transports, including proprietary and open (such as TCP/IP).
- Compatible with all network systems, including Novell, Banyan, etc.
- Can be used with PCs connected using remote access software such as Attachmate's RLN® (Remote LAN Node®).
- Can be used with any local, departmental, regional or enterprise-wide file servers.

Versatile peer-to-peer operation.

Because NetWizard Plus communicates directly between any networked PCs, you aren't constrained by file server domains or differences in communication protocols. You can use NetWizard with any network topology. NetWizard Plus can move any file from any node on your network to any other node, even on wide-area networks, even those with differing protocols such as NetBIOS, IPX and TCP/IP. For example, working from your office in Des Moines, you could control the distribution of files from the regional office server in Seattle to users in Portland and Vancouver, and from the file server in Vienna to users in Zurich and Stuttgart.

New with this release, NetWizard Plus also provides async dial-out capability, enabling full software management functionality with remote users and others with access available only with proprietary protocols. Integration with the Telephony Application Programming Interface (TAPI) enables NetWizard components to communicate using modem links, with connections initiated at either end.

Efficient branch distribution.

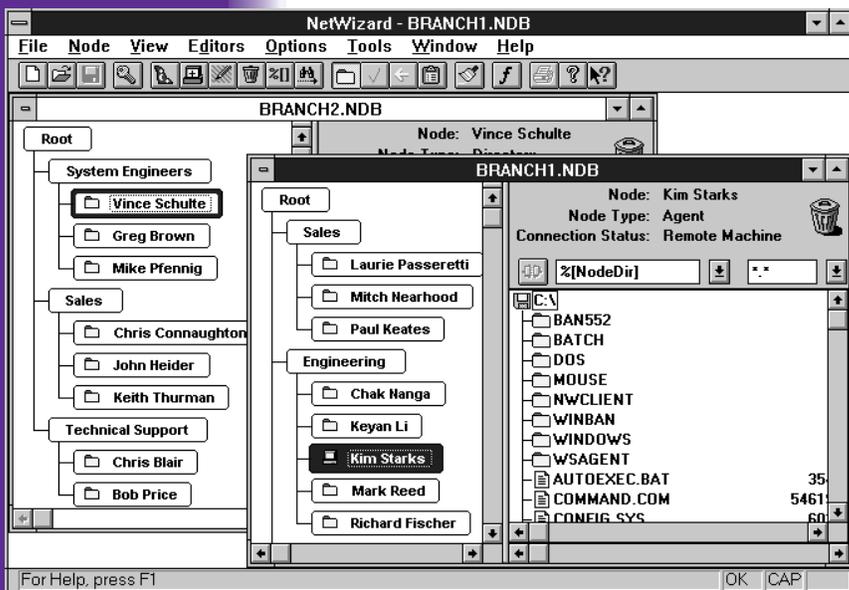
NetWizard's Branch Managers make handling large networks much easier and more efficient. Responsible for particular domains, Branch Managers can be used to execute distributions, collect inventory and metering data, and provide distribution status information.

Outstanding user interface.

NetWizard Plus provides a unique user interface with superior functionality. In addition to showing a physical view of any node in your network, it also displays one or more logical views of your organization, defined the way you want them. With NetWizard Plus, you use easy "drag-and-drop" techniques to simplify complex operations.

You can define as many logical views as you need — according to equipment use, department, software use, or whatever is appropriate for your organization. In addition, for greater distribution efficiency, you can easily group together nodes in the same or different domains.

Logical views are easy to create. For example, you can start with the information already provided by your network user directories.



Powerful Distribution Transactions.

To install a product in a Windows environment, you need to do a number of operations on each user PC. For example, you might need to...

1. Create a product directory
2. Copy product files to that directory
3. Edit WIN.INI and AUTOEXEC.BAT system files
4. Add items to the Windows program group
5. Restart Windows

With NetWizard Plus, you can combine all of these operations (or any number of steps) into “intelligent” *Distribution Transactions*. Each step can be a script created by one of the NetWizard Plus editors (see following). Once a Distribution Transaction is defined, distributing a group of files — even an entire product — is as easy as distributing a single file.

Package Recorder and Editor. This powerful feature significantly decreases the time required for creating distribution scripts. The NetWizard Plus Recorder monitors (and remembers) the changes that occur during a software installation. These might include newly installed files, deleted files, system file modifications, program group and item changes, and Windows registration database modifications. Package Editor automatically turns the associated steps into a script.

You can execute the resulting script directly, or edit it first to accommodate varying workstation environments. For example, you could include NetWizard’s “Discovery Variables,” to locate a disk drive with sufficient space, find an existing product directory or prompt a user for input.

Script editors. Components of a Distribution Transaction might be scripts created with NetWizard’s editors.

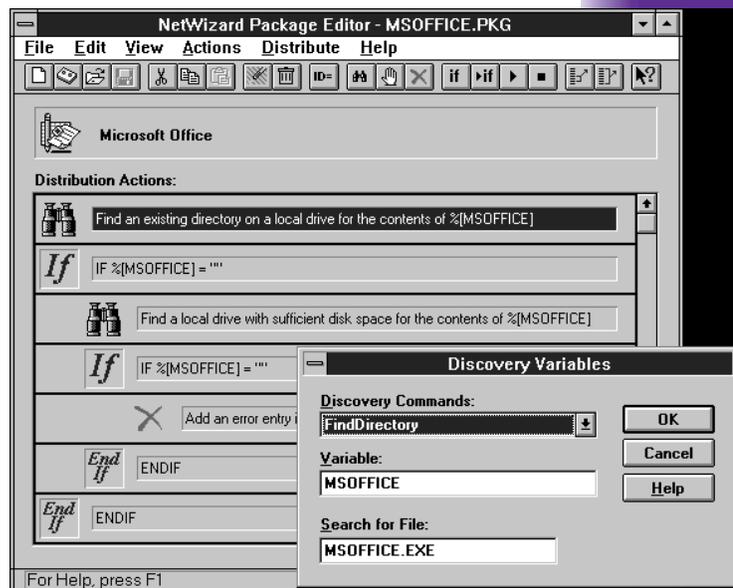
- The *System Services Editor* lets you define scripts that delete or add lines to AUTOEXEC.BAT or WIN.INI, change Windows’ Program Manager and modify other files to assure proper system configuration. The System Services Editor also lets you include special actions such as rebooting user PCs and restarting Windows, and sending messages and prompts to users.
- The *File Services Editor* lets you create scripts for deleting and creating directories and sub-directories, and for deleting old files and distributing new ones.

NetWizard Plus scripts are quite versatile:

- To eliminate files that cause network malfunctions (or those that simply waste valuable disk space), you can search for particular files and then delete them.
- To accommodate varying directory structures, you can define variables and use conditional logic.
- To control other functions, you can remotely execute applications such as SETUP.EXE or PKUNZIP.
- To verify that software can be installed, you can check available disk space.
- To determine what equipment is in use, you can query hardware characteristics.

New with NetWizard Plus.

- Easier user PC troubleshooting, with fully integrated remote control and ‘chat.’
- Expanded control over user PC application and operating system parameters with central management of Windows 95/NT System Policies, including definition and distribution.
- Enhanced capacity for working with remote users connected by modem (TAPI standard).



New with the previous release.

- Supports Windows 95 and Windows NT operating systems.
- Supports Windows 95 and Windows NT long file names.
- Supports Windows 95 and Windows NT registration database.
- Capable of installing all 32-bit applications or application updates.
- Ideal for installing Windows 95 and NT.

Distribution rollbacks.

NetWizard Plus is extremely powerful — it automatically installs and deletes files, and modifies the software your users depend on.

Unfortunately, differences in user equipment and software, and network communication interruptions, can cause serious problems.

With other software management utilities, when such problems occur, users could easily be left with software that doesn't function — and you could be left with a lot of troubleshooting.

NetWizard Plus lets you undo previously executed distributions and return all stations to prior conditions. If necessary, you can undo several distributions to go back several steps

Automatic rollback. When NetWizard Plus senses that one part of a distribution sequence is not completed properly, it suspends operation and automatically rolls back steps already completed, leaving user stations exactly as they were in the beginning.

Communication interruptions. After breaks in network communication, power outages and other external failures, NetWizard's check-point restart function can recover an ongoing distribution. When normal communications are restored, NetWizard Plus simply continues and completes the distribution — all without operator intervention.

Software and hardware inventory.

NetWizard's inventory capabilities offer you detailed information about the hardware and software on every PC on your networks. For example, you can use this information to more effectively plan for major software upgrades such as Windows 95.

You can also use this information to control software distributions. For example, a particular software upgrade might be distributed only to those who have the previous version of the software and who also have adequate hardware to handle the new software requirements.

Software metering and licensing.

NetWizard's metering capability makes possible many tasks that otherwise might not be practical, especially in large organizations. You can obtain historical information about who is using certain software — and when they are using it. With this information, you can answer such questions as...

- Who uses a particular application? How frequently? When?
- Is the current number of software licenses adequate (or too large)?
- Would concurrent user licenses be more economical than individual or site licenses?
- Who uses the applications that seem to cause frequent network and system problems?

You can also use NetWizard Plus to make sure your organization follows the legal limitations of software licenses. NetWizard Plus lets you regulate software use by any of several criteria, including:

- Site licenses
- Suite licenses
- Concurrent use licenses
- Individual workstation or user licenses

When violations are detected, users can be advised of the violation or automatically prevented from using the software in question.

NetWizard Plus also lets you control application use by queuing and user priority.

Easy user configuration and troubleshooting; full remote control
NetWizard Plus provides full “remote control” capabilities. These let administrators perform virtually any operation on user PCs that ordinarily would have to be done locally. Full video, keyboard and mouse support is provided. In addition, interactive ‘chat’ (with remote workstations) is provided.

NetWizard Plus remote control is derived from a licensed version of *Reachout*, from Stac Inc. Reachout was chosen for its outstanding performance and broad transport support — including concurrent support of multiple transport protocols — attributes critically important to large distributed software management operations. Remote control is completely and seamlessly integrated into NetWizard Plus.

Features include:

- Automatic, transparent installation.
- Automatic loading and unloading by NetWizard Plus Agent or Manager.
- Simple operation from an icon in the ‘Logical’ network view.
- Can be enabled/disabled for each workstation, for security reasons.

NetWizard Plus provides additional ways to handle special situations. For example:

- To repair damaged user files or configure local stations, you can edit any text file anywhere on the network simply by pointing and clicking on the file name (as displayed in NetWizard’s physical view). NetWizard Plus copies the file to your workstation where you can easily edit it. When you save the modified file, NetWizard Plus returns it automatically to its original location.
- You can also use NetWizard Plus to process any file located anywhere on the network, provided you define an appropriate *file association* in your WIN.INI file (this equates a particular file name extension to the application that can process it). Using this powerful feature, you can edit a wide range of product-specific configuration files such as those for Lotus Notes®, or even work with spreadsheet and word processor files.

Ability to manipulate Windows 95 and Windows NT System Policies

Using the new System Policy view, administrators can centrally define Windows 95/NT “Policies” and distribute them to all users. Support for System Policies is, effectively, high-level management of the Windows 95 and Windows NT 4.0 Registry. System Policies can be used to enable or disable such operating system parameters as support for long file names, password caching, file and print sharing and SAP advertising. They can also be used to control operating parameters for specific applications.

Using NetWizard Plus to manage System Policies has many advantages:

- System Policy management works ‘right out of the box.’ Everything is ready to go after a normal installation.
- NetWizard Policy Management works seamlessly and automatically across multiple file servers.
- The user interface is simple and intuitive. Instructions are included with NetWizard’s on-line help system.
- The underlying mechanism for handling System Policies is transparent. It automatically handles issues such as naming policy files, copying policy files to each file server, keeping track of which file servers users are assigned to, etc.
- The software works well in a mixed network operating system environment; working with Windows NT, NetWare and peer-to-peer environments in the same management domain is no problem.
- Groups of various characteristics are easily accommodated. Groups can include shared workstations, ‘roaming’ users and multiple servers — even PCs that aren’t logged on to any server. Intersecting groups are also supported. Groups can be arranged in a logical hierarchy; policy inheritance is intuitive and automatic.

Exploit NetWizard’s power and flexibility.

- Control NetWizard Plus from any authorized desktop.
- Take advantage of any convenient file servers for distribution.
- Use NetWizard Plus to enforce license usage restrictions.
- Inventory user hardware and software.
- Store inventory data in ODBC-compatible applications; use this information to control future distributions.

“Since NetWizard Plus was installed, we are saving about three-quarters of a million dollars, or about three quarters of our costs.”

Doug Albro,
Brown & Williamson

ODBC integration; DMI support. NetWizard Plus distribution, metering, licensing and inventory information can be stored in any database that is accessible via ODBC. Because of this, for query and reporting, you can use the database management system you already have — along with familiar desktop tools such as Microsoft Excel or Crystal Report Writer. In addition, you can base conditional distributions on database query results — installing the *new* software only if a user already has the *old* software, for example.

DMI, Desktop Management Interface, is an emerging standard for inventory and asset management, defined by the Desktop Management Task Force. With this capability, you can collect and report systems, components and applications information that would not otherwise be obtainable.

Extending use to others. NetWizard Plus could have many practical applications for other departments in your organization. For example, the technical support (‘help desk’) staff might employ NetWizard Plus to help troubleshoot user problems. However, while NetWizard’s software distribution and remote file editing functions would help that department, other NetWizard Plus functions — such as software metering and licensing — would not be appropriate.

A new feature of NetWizard Plus, customizable administrator access, lets you designate certain functions for use by other managers. Needed functions can be provided while others are excluded. You can define as many sets of capabilities as you need and enable access to each only to authorized users.

Administrator and user security. Because NetWizard Plus is so powerful, administrator security is very important. To protect against unauthorized use, the NetWizard console interface is protected. In addition, workstation agents can communicate only with a designated management console.

NetWizard Plus lets users define certain directories or subdirectories as private. This assures them that sensitive or personal material will not be exposed to unwanted intrusions.

Communication and operating environment.

LAN connection. NetWizard Plus can distribute and install DOS, Windows, Windows 95, Windows NT or Macintosh software, to all PCs linked by a common network. No particular network operating system is required. NetWizard Plus is compatible with all industry-standard communication transports.

Modem connection. NetWizard Plus can also communicate with remote PCs using async dial-out via RAS or any compatible interface. This support accommodates users that are not connected directly to an enterprise LAN — or that are connected but by incompatible proprietary protocols.

NetWizard Plus components support the Telephony Application Programming Interface (TAPI). This enables modem links to be initiated by either Manager or Workstation Agent. For example, when a Distribution is scheduled, the Manager or Branch Manager automatically calls PCs connected by modem.

File compression. NetWizard Plus employs file compression to minimize network traffic and to optimize distribution efficiency and disk space.

Operating environment. NetWizard Plus consists of administrator, branch manager and client software.

- The NetWizard Plus administrator and branch manager software can be installed on a local hard disk or on a network file server. They operate under Microsoft Windows 95, Windows NT or Windows 3.1, and can be run from any convenient PC in the network.
- The NetWizard Plus client software operates using Windows 95, Windows NT, Windows 3.1, Windows for Workgroups, DOS or Mac OS™.

The software that NetWizard Plus distributes can reside locally (on the PC being used by the administrator) or on one or more file servers.

NetWizard Plus installation.

How you install NetWizard depends on your network topology.

- In many cases, you will install NetWizard Plus to a network file server. In this case, you can easily modify user network logon scripts to automatically install the NetWizard Plus workstation client software on user PCs (this is referred to as “auto-discovery”).
- NetWizard Plus does not require a file server; you can also install the NetWizard Plus Manager on any convenient PC on the network.

Using NetWizard Plus to install Windows 95 or Windows NT

NetWizard is ideal both for installing Windows 95 (or NT) and application updates. We recommend the following strategy:

1. Use NetWizard Plus to get control of your current distributed software environment. Inventory user hardware to determine whether you need to add memory. Inventory user software to determine who needs particular updates.
2. Use NetWizard Plus to install Windows 95 or Windows NT on selected PCs, to locate system and network incompatibilities. Then use NetWizard Plus to install the operating system on remaining PCs at the right pace for your enterprise.
3. Once Windows 95/NT is in use, use NetWizard Plus to distribute and install 32-bit application updates.

Get the full story in the white paper *Easing the migration to Windows 95 and Windows NT*.

And be sure to check the new report from The Tolly Group. In a study commissioned by Attachmate, it documents just how much money and time you can save by using NetWizard. Both are available from your Attachmate representative.

Want to evaluate NetWizard? Download the evaluation version from...

<http://www.attachmate.com>

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Protecting your investment.

All Attachmate software includes SUPPORTWARE![™] a complimentary 60-day support service which helps you get up and running and keeps you up-to-date. For information on extended SUPPORTWARE! services, call your Attachmate representative.

Attachmate: Raising the value of enterprise information

You can rely on Attachmate, the industry leader in enterprise connectivity, to help you make the most of enterprise information. Attachmate offers award-winning host access products, application development tools, remote access products, management tools, and software that can bridge the gap between your enterprise and the Internet. Our products universally support a comprehensive range of desktop operating systems, connectivity protocols and communication gateways.

Technical notes.

Administrator and branch distribution managers

- **PC requirements:** 80486 or better CPU running at 33 MHz or faster
- **Operating environment:** Microsoft Windows 95, Windows NT or Windows 3.1
- **Memory (RAM):** Windows, 8 Mb; Macintosh, 2.4 Mb, 4.0 Mb recommended
- **Disc storage requirements (local or file server):** 20 Mb (administrator), 24 Mb (branch managers), both plus 100K (minimum) per client

Clients

- **PC requirements:** Any "IBM[®]-compatible" PC; Macintosh 68020 or later
- **Operating environment:** Microsoft Windows 95, Windows NT, Windows 3.1 or MS-DOS[®] 3.2 or later; MacOS, System 7 or later, or System 6.0.4 plus AppleTalk[®] v48 or later, ADSP 1.5.1
- **Memory (RAM):** Windows, 640 Kb; Macintosh, 1 Mb
- **Disc storage requirements (local or file server):** 2 Mb (minimum)

Network requirements

- Standard NIC cards appropriate for the communication protocol in use, or compatible remote access software such as RLN (Remote LAN Node).
- Macintosh software is compatible with standard Macintosh networks

Network compatibility

- NetWare[®], LAN Manager, Banyan[®] VINES[®] — any network that supports IPX 3.1 or newer, or IPXODI 1.2 or newer, or NetBIOS, or TCP/IP, or IPC.

