



IBM ServerGuide for Netfinity Server Systems

Providing an easy path to reliable, consistent installation and configuration

Executive Summary

IBM has visited and worked with existing and potential customers to create innovative configuration, ease-of-use and setup enhancements for IBM ServerGuide for Netfinity® servers. From this extensive research, IBM ServerGuide has undergone a complete overhaul to become a more complete, customer-driven, easier-to-use product.

Installing and configuring a server can be a complex, time-consuming task. In addition to installing hardware, installing the operating system, device drivers and applications makes the task more complex. Because of this, some of your highest costs can be the initial installation and configuration of a server. When several servers are being installed, the costs can rise significantly.

The solution for IBM Netfinity servers is IBM ServerGuide. ServerGuide is designed to simplify and shorten setup, configuration and network operating system (NOS) installation. ServerGuide simplifies deployment, helping you reduce your total cost of ownership, and also reduces the complexity that administrators and technical personnel face.

ServerGuide is shipped with every IBM Netfinity server. ServerGuide's built-in intelligence recognizes machine types and models of servers as well as software versions and other hardware criteria. As a result, ServerGuide offers installation and configuration choices designed for your system and its respective custom configuration.

Want to stay up to date? Recognizing that changes are made to BIOS, device drivers and other firmware over time, ServerGuide includes the IBM Update Connector, which can identify via the Internet any updates that have been made available by the IBM HelpCenter®. This is another function designed by IBM to help you reduce the manageability costs associated with server systems so that your servers are operating optimally.

To help administrators, ServerGuide provides tools such as Book Factory and Diskette Factory. Book Factory lets you view and print documentation about IBM servers, software integration, Netfinity Manager™ and more.

Diskette Factory provides a full library of device drivers tested and ServerProven™ approved for your IBM Netfinity server. With a few clicks of a mouse, you can create diagnostic, device driver and many other diskettes for IBM Netfinity servers. Furthermore, a Web link allows you to check for any update files on the IBM Web site.

IBM's award-winning Netfinity Manager systems management software, designed to manage IBM and non-IBM systems, enables native integration with other leading management products.

In addition to these tools, ServerGuide also includes a variety of server application programs such as IBM Cluster System Management, ServeRAID™ Monitoring Utility, and others.

ServerGuide is packaged in an easy-to-use binder format that contains the ServerGuide CDs and the IBM Netfinity system reference manual. Your system administrator can use this binder as a control book.

This paper offers a brief overview of ServerGuide, its features and benefits. Whether your server system is large or small, IBM knows that you need to get it up and running as quickly and efficiently as possible so that you have a reliable platform for your business-critical applications. IBM ServerGuide for Netfinity servers helps you accomplish your goals.

For the latest information on IBM ServerGuide, see our Web site at www.pc.ibm.com/us/server/sguide.

What Is ServerGuide?

ServerGuide, included at no additional charge with every IBM Netfinity server, is the fast way to set up and install your IBM Netfinity server. ServerGuide is IBM's solution to the complex, time-consuming task of installing and configuring your server system. Plus, language support is provided in U.S. English, French, German, Italian, Japanese and Spanish. IBM ServerGuide also can help you install Microsoft® Windows NT® in all language versions.

ServerGuide can help you:

- Configure your hardware directly with an easy-to-use wizard
- Simplify installation of your operating system and get device drivers as you need them
- Provide a replicated installation path for installing Microsoft Windows NT Server 4.0 (not included) on multiple servers
- Using the Update Connector feature, connect to IBM via the Internet for updates to your server's BIOS, device drivers and applications

IBM HardwareGuide

The HardwareGuide CD helps you perform a simplified server installation that is specific to your system based on the hardware detected. HardwareGuide's easy-to-use wizard interface puts you in complete control of the setup and configuration process, with your choice of an express or custom configuration path. You can run system configuration utilities, set up your RAID configuration and install flash BIOS updates directly from the HardwareGuide CD.

After you complete the hardware configuration, you are ready to install your network operating system. HardwareGuide also installs and uses a 50MB system partition on your hard drive. The system partition, if available, can be used in the future by other IBM products.

IBM SoftwareGuide

SoftwareGuide software runs from a Windows 95 base. Use the SoftwareGuide CD to install your network operating system easily. SoftwareGuide helps you install the device drivers needed for your IBM server. Hints and tips are available in the README file on the ServerGuide CD.

SoftwareGuide supports the following operating systems:

- IBM OS/2® Warp Server, Advanced and SMP
- Microsoft BackOffice® Small Business Server 4.0
- Microsoft Windows NT Server 4.0
- Microsoft Windows NT Server Enterprise Edition 4.0
- Microsoft NT Workstation 4.0
- Novell intraNetWare
- Novell NetWare 5
- SCO OpenServer 5.0.4 and 5.0.5
- SCO UnixWare 7

Each operating system has its own installation method, giving a range of flexibility during installation. These methods are tailored to the operating system. For example, Microsoft Windows NT and Novell intraNetWare support diskette-less installation. And Microsoft Windows NT installation provides a replicated path, saving time when installing multiple servers.

If you choose to update your operating system to the latest level, ServerGuide also includes a CD with current operating system FixPaks.

Operating System FixPaks CD

This CD contains FixPaks from IBM, Microsoft and Novell for their operating systems. FixPaks are provided for Microsoft Windows NT, Novell intraNetWare and OS/2 Warp.

Additional Functions of SoftwareGuide

In both the SoftwareGuide CD and the CoPilot ApplicationGuide CDs, SoftwareGuide includes the following additional functions:

- **Book Factory.** The Book Factory feature, which can be managed from a Web browser interface, gives you access to a variety of publications. You can view and print IBM Netfinity publications, Software Integration Guides and the IBM Netfinity and PC Server Reference from the ServerGuide Book Factory. This allows you to stay current with product information and, if you misplace your copy of a publication, you can view and print a another copy right away.
- **Diskette Factory.** Diskette Factory provides easy access to a library of diskette images, which are easily accessed in category subgroupings, in addition to a powerful search function. This tool enables you to quickly and easily create the diskettes you need for just about any IBM server. Hundreds of diskette images are included, such as LAN adapter device drivers, configuration utilities, diagnostics and more. Diskette Factory also provides a link to the Internet and will identify any newer files available from the IBM Web site. You can also install Diskette Factory on your Windows NT, Windows 95 or OS/2 PC desktop display from the CoPilot ApplicationGuide CD.
- **Online information.** The Overview provides the complete ServerGuide picture. It includes a description of the function included in ServerGuide and contains URLs that you can access to find information about the applications and operating systems supported by ServerGuide. The README on the ServerGuide CD gives late-breaking hints and tips in a hyperlink format. This format makes finding the information that is relevant to your server or operating system convenient to locate.

CoPilot ApplicationGuide

Through the CoPilot ApplicationGuide CDs you can install a variety of valuable software applications, which are provided at no additional charge. The following applications are included:

- **IBM Update Connector.** Download system files, product updates and data updates to your Netfinity server over the Internet, with just a click of the mouse. Once connected, Update Connector automatically determines whether updates are available, and, if so, allows you to optionally download and install them. Update Connector automatically recognizes machine types and models as well as software versions and other hardware. As a result, updates that are downloaded are designed for your unique system and its custom configuration. Update Connector provides a single connection between your server and the Internet.
- **IBM Netfinity Manager.** Netfinity Manager is a powerful suite of tools and utilities designed to give you leadership manageability of your networked Intel® processor-based systems. And because it supports industry standards, Netfinity Manager provides seamless integration with robust enterprise and workgroup management systems such as Intel® LANDesk®, Microsoft System Management Server, and Tivoli™ Management Environment. IBM Netfinity Manager features offer the following additional benefits to system administrators:
 - ◆ Ability to manage your Netfinity server systems from a Web browser.
 - ◆ IBM Cluster Systems Management software, a management plug-in designed to manage Microsoft Cluster Servers, can integrate into Netfinity Manager but can also integrate smoothly with Intel LANDesk and Microsoft SMS for a clear view of clustered resource components. IBM Netfinity servers running Microsoft System Management Server software provide additional features that promote ease of use and increased productivity, as well as event and problem notification for a clustered server configuration, all from a single console.
 - ◆ Integration with workgroup and enterprise managers (HP OpenView, Intel LANDesk, Microsoft System Management Server, and Tivoli Management Environment) and interoperability with SNMP managers.
 - ◆ Multiple user interface options (command line, GUI and Web).
 - ◆ Remote management to manage your systems from virtually anywhere at any time.
 - ◆ Support for commonly used operating systems (Microsoft Windows NT Server, Novell IntraNetWare and IBM OS/2 Warp Server).
 - ◆ Support for several network protocols (TCP/IP, NetBIOS, IPX/SPX, SNA and serial).
- In addition, ServerGuide includes the following features:
 - ◆ Adaptec EZ-SCSI Utility software, a tool for easy connection and management of SCSI peripherals, such as a CD player, Photo CD viewer, QuickScan scanner and more.
 - ◆ APC PowerChute *plus* software to help you manage an optional APC uninterruptible power supply (UPS). Also included is a Netfinity Manager software plug-in that allows management of your APC UPS through Netfinity Manager.
 - ◆ IBM Network Station Manager provides a tool for easy management of network computers connected to a LAN or WAN.

- ◆ IBM ServeRAID Adapter Administration and Monitoring Utility software. After installation of the operating system on a Netfinity server, IBM ServeRAID Adapter Administration and Monitoring Utility provides monitoring and management of a RAID controller. With this utility you can administer and configure adapters, initialize and synchronize logical drives, change RAID levels and more.
- ◆ Norton AntiVirus for NT Server Edition 5.0 software. Norton AntiVirus software can provide an effective virus-protection system for Windows NT-based servers.

IBM Web Fulfillment

To provide a copy of the latest updates to ServerGuide, IBM is moving to a Web fulfillment program. After you complete the online customer profile, you can order the latest updates to ServerGuide.

Software you can order includes the following:

- IBM ServerGuide in the latest version for IBM Netfinity servers.
- IBM ServerGuide 4.0.4a in the latest version to support IBM PC Servers.
- Planned in the future: Other software to provide additional value.

For more information on IBM software you can order via the Web, see our Web sites at:

www.software.ibm.com/enetwork

www.software.ibm.com/index.html

www.software.ibm.com/is/mp/nt

This service will be available before the end of the first quarter of 1999¹.

Stay Current

As a certified member of IBM's TechConnect™ program, and having reached Professional Server Expert (PSE) or Professional Server Specialist (PSS) status, you'll receive free ServerGuide updates in your priority box shipments.

To learn more about TechConnect, visit our Web site at

www.pc.ibm.com/techconnect/index.html.

Conclusion

IBM's ServerGuide for IBM Netfinity server systems helps you reduce the complexity and cost of configuring and installing IBM server systems. ServerGuide's purpose is to make installation and configuration simple and reduce the time it takes to deploy servers. Built-in intelligence recognizes machine types and models as well as software versions. As a result, your installation and configuration choices are for your unique system, meaning that you can reduce your total cost of ownership.

HardwareGuide, with its wizard interface, helps you set up and configure your hardware easily. SoftwareGuide installs your network operating system, making sure that you have the correct device drivers. Server applications, provided at no additional charge, provide you with products to help with your business processes and reduce your total cost of ownership further.

¹ IBM reserves the right to modify or withdraw this service at any time.

Others tools to help you include IBM Update Connector for easy download of files and updates to your server, APC PowerChute *plus* to help you manage an optional UPS, and Norton AntiVirus Windows NT. All of these tools are included at no additional charge with every IBM Netfinity server.

Additional Information

For more information on IBM Netfinity directions, products and services, refer to the following white papers, available from our Web site at www.ibm.com/netfinity.²

*Achieving Remote Access using Microsoft Virtual Private Networking
At Your Service... Differentiation beyond technology
Examples Implementing IBM Netfinity Server Management: Air Conditioning Failure
IBM Netfinity Cluster Directions
IBM Netfinity ESCON Adapter
IBM Netfinity 8-Way SMP Directions
IBM Netfinity Fibre Channel Directions
IBM Netfinity PCI Hot-Plug Solutions
IBM Netfinity Predictive Failure Analysis
IBM Netfinity Server Quality
IBM Netfinity Server Ultra2 SCSI Directions
IBM Netfinity Servers and Intel Architecture
IBM Netfinity 7000 M10 Server
IBM Netfinity Storage Management Using Tape Subsystems
IBM Netfinity System Management for Servers
IBM Netfinity System Management Processor
IBM Netfinity Web Server Accelerator
IBM Netfinity X-architecture
IBM ServerGuide for Netfinity and PC Server Systems
Integrating IBM Netfinity Manager with Intel LANDesk® Server Manager
Integrating IBM Netfinity Manager with Microsoft Systems Management Server
Lotus Domino® Clusters Installation Primer
Lotus Domino Clusters Overview*

² Are you Year 2000 Ready? Visit www.ibm.com/pc/year2000 or call 1 800 426-3395 (and request document 10020 from our faxback database) for the latest information.



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