Netfinity Servers

IBM

IBM Netfinity Systems Management

*Comprehensive control for enhanced availability
and performance of your Netfinity systems*

Netfinity

Great performances come from superior control

The drum beat of effective systems management is integration. For superior availability, performance and control, your systems management tools must work in harmony with hardware, software, setup and operation.

OnForever™ initiative drives fail-safe hardware system design

Like the different instruments in a symphony orchestra, IBM Netfinity® server hardware components vary significantly. Yet when it comes to the performance, each member is critical. Netfinity server hardware has been targeted for leading-edge enhancements through the IBM Netfinity OnForever technology initiative—part of IBM Netfinity X-architecture.

Working together as part of the OnForever initiative, Predictive Failure Analysis™ (PFA) and environmental monitoring sensors proactively monitor the critical components of your Netfinity server to warn you of impending problems. Any Netfinity component that generates a PFA alert is covered under the IBM three-year, onsite, limited warranty[1]–even prior to actual failure. IBM's revolutionary light-path diagnostics contribute to advanced manageability by helping service personnel easily pick out the specific failing component even when it is surrounded by several other identical parts. And because components such as power supplies, fans and hard disk drives are redundant and hot-pluggable on most Netfinity servers, your system can continue to operate before and during replacement of the failing component.

Deployment tools reduce the time and expense of setup, so you can start performing more quickly

Server installation and configuration can be complex and time-consuming. In fact, some of your highest costs can be incurred during deployment. Netfinity ServerGuide and LAN Client Control Manager™ (LCCM) are designed to reduce installation-related cost and frustration. Shipped with each Netfinity server, ServerGuide uses installation wizards and replication functions for the fastest deployment of Windows NT®-driven systems. For fast remote deployment of large numbers of servers, desktop and mobile networked systems, LCCM is the tool of choice.

IBM Netfinity Manager hands you the baton

Top–rated[2] Netfinity Manager™ software lets you direct the performance of your networked system with ease—from virtually any location, with multiple protocols and operating systems, and with a mix of IBM and non-IBM servers, desktop and mobile computers. Included standard with each Netfinity server, Netfinity Manager simplifies remote management functions including:

- Scheduled asset (hardware and software) inventories

- Proactive problem notification and tools for resolution

- Hardware system component monitors and thresholds to trigger alerts of impending problems

- Powerful alert management with automated customized actions and/or manual intervention

- Remote help desk and routine maintenance functions such as remote control and file transfer

Netfinity Manager supports many of the industry's most popular operating systems—Microsoft® Windows NT, Windows 95 and 98, SCO UNIXWare™, Novell®NetWare® and IBM OS/2®. It also supports Web browsers, NetBIOS, IPX, SNA, TCP/IP and serial protocols.

Capacity management newly enhanced with artificial intelligence
IBM's top performance experts have helped build intelligence into the latest release of Netfinity Manager's Capacity Manager tool. Now, Capacity Manager includes performance analysis and forecasting for hardware components such as processor, memory and network traffic to let you know when upgrades may be needed to avoid any performance degradation.

Netfinity server components proactively monitor environmental conditions and performance.

A word about IBM's cluster management solution

Netfinity Manager helps you maximize your resources for peak performance of your clustered servers. For IBM Netfinity servers running Microsoft Cluster Server, IBM Cluster Systems Management delivers ease-of-use, high end-user productivity and event/problem notification. Other functions include cluster discovery and setup, and scheduled load balancing to keep your clusters running optimally.

String quartet or symphonic orchestra?

Netfinity offers a well-marked path into workgroup and enterprise management platforms.

Netfinity Manager has been tested and proven effective in rapidly growing computing environments. It integrates with key workgroup and enterprise management platforms, including Tivoli Management Software, HP OpenView and other SNMP managers. Netfinity servers are Tivoli-ready®; Tivoli Management Agent (TMA) is included with each server shipped. The new Netfinity Manager Plus for Tivoli Enterprise—provided at no charge via the Web—is also Tivoli certified at the Premiere level. The Plus Module complements Tivoli's enterprise solution with hardware management of Netfinity servers to bring you a more comprehensive integrated management solution.

Netfinity Manager also integrates in close harmony with workgroup managers such as Intel® LANDesk® and Microsoft SMS to provide a comprehensive management solution. Netfinity Manager can be launched from both SMS and LANDesk to give you access to RAID, cluster management and more, giving you a robust, yet integrated management solution.

Effective systems management helps you reduce Total Cost of Ownership. Deployment tools like ServerGuide and LAN Client Control Manager simplify setup and can decrease associated costs. Hardware instrumentation and ASM processors jointly enable remote management and faster system recovery. And Capacity Manager—embedded in Netfinity Manager—analyzes system performance so you can manage your IT assets wisely.

Visit the Netfinity Web site at:
www.ibm.com/netfinity

System management processors for remote control, reliable operations and a non–stop performance

Working with the hardware instrumentation and Netfinity Manager software, Netfinity system management processors are key to high availability. Whether you are in the office or at home, if a problem occurs with your Netfinity server, an alert can be transmitted so you can take immediate action—onsite or remotely. Working with Netfinity Manager, the system management processor trumpets a warning when there is a problem with your Netfinity server. The system management processor can alert you to problems, perform automated actions if a specified threshold is reached, and let you resolve problems remotely—even run diagnostics or reconfigure your Netfinity server. Even if powered down or locked up, your Netfinity server can be brought back online remotely using the system management processor's console reset and reboot function. Think of the time (*your* time) and money (travel) you can save.

The IBM Netfinity family of system management processors has expanded. The IBM Advanced System Management PCI Adapter—standard on the Netfinity 7000 M10—is now available as an option which may be added to Netfinity 5000 and 5500 servers. This new adapter provides a higher level of remote functionality, including support for Ethernet or Token-Ring (optional) connectivity. And with the new Advanced Systems Management Interconnect Cable Kit, you can interconnect up to 12 service processors and manage them all via one modem or network connection, improving resource sharing and reducing network costs.

Differentiation beyond technology: more than just playing the right notes
As an integral part of open system design, we work closely with industry leaders including Microsoft, Intel, Lotus®, Oracle, Novell, Tivoli, PeopleSoft, SCO, SAP, J.D. Edwards and Baan so that IBM Netfinity servers are in tune with the leading-edge software products these companies offer. The results of our combined efforts create the capability for optimal systems management with more industry-standard hardware/software server solutions, tested for compatibility, that are the very heart of your business-critical networked systems.

Unrivaled service and support

Every IBM Netfinity server system comes with the acclaimed service and support you expect from IBM.

- It all begins with IBM Start Up Support: for the first 90 days of your warranty period, at no additional charge, one call connects you to expert installation and configuration assistance for IBM and selected non-IBM hardware and network operating systems (NOS).

- Technology-enabled services make remote diagnosis and maintenance of your server a snap. With MoST Connect, a mobile service terminal links your server to an expert IBM diagnostician for quicker problem identification, resource deployment and resolution.

- Using Remote Connect, select Netfinity servers can activate an automated "call home" to IBM to assist with rapid problem alerting and resolution. Remote Connect services are enabled via Netfinity Manager and the system management processor on your Netfinity server.

The case for IBM

So, why IBM? What other company has the depth of experience and the proven ability to perform? The ability to produce total server solutions for your business? The first-rate hardware and software products, an exhaustive list of options plus world-class service and support untouched by the competition?

Need more information?

IBM Reseller and general information

United States	1 800 426-7255 ext. 4752
Canada	1 800 426-2255

World Wide Web

Netfinity X-architecture	www.pc.ibm.com/us/netfinity/xarchitecture.html
Support	www.pc.ibm.com/support

Technical white papers

Advanced Systems Management, Systems Management for Servers and Netfinity Manager 5.2. can be found at www.pc.ibm.com/us/techlink/wtpapers/index.html.

Get Year 2000 Ready

Worldwide	www.ibm.com/pc/year2000