COMPAQ
Integration Note

February 2001
148H-0201A-WWEN

Prepared by OS Integration
Engineering

Compaq Computer Corporation

Contents

The Winning Combination: Compaq ProLiant Servers and Microsoft Windows 2000

Abstract: Compaq leads the way in your Microsoft Windows 2000 deployment by offering innovative hardware, exceptional services, and intelligent manageability tools to simplify your installation and to manage your network.

This document provides information on the Compaq and Microsoft Frontline Partnership, the features Microsoft added to Windows 2000, and the Compaq ProLiant products, services, management tools, and resources that help you gain the most from your Windows 2000 deployment.

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Notice

The Frontline Partnership

Leadership, teamwork, experience, and commitment characterize the relationship existing for almost two decades between Compaq and Microsoft. Customers gain many benefits from the Frontline Partnership, including a single point of responsibility, support for business-critical systems worldwide, comprehensive and integrated solutions, scalable and reliable infrastructure for implementing our leading-edge line of business solutions, and low-risk, cost-effective solutions. In recognition of these comprehensive IT offerings and capabilities, Compaq was named the Microsoft Global Services Partner of the Year. Compaq is the Worldwide Prime Integrator for the Microsoft Windows NT and Windows 2000 operating systems. Microsoft awarded this honor for Windows NT in 1998 and extended it to Windows 2000; Compaq holds this endorsement exclusively.

The development of a new operating system such as Windows 2000 requires an extraordinary relationship between the developer and hardware supplier. As a Joint Development Partner and Rapid Deployment Partner for Windows 2000, Compaq engineered and tested its hardware and support software on this revolutionary network operating system from its inception. Compaq ProLiant servers provided the primary development platform for Windows 2000. In fact, the majority of Windows 2000 code was developed on Compaq products and all deployment program events were run on Compaq equipment.

Some of the essential pieces of the Frontline Partnership include the following:

- **Joint Development**

For more information on performance, check http://www.compaq.com /products/servers/bench marks/index.html.

  Compaq and Microsoft jointly build innovative solutions that deliver record-breaking performance and value. Not only was the Microsoft Windows 2000 operating system designed, tested, and deployed on Compaq servers at Microsoft, but Compaq engineers were closely involved in the day-to-day development and testing activity. Compaq has a dedicated team in Redmond solely responsible for testing future releases and ensuring future hardware reliability and compatibility. Other Frontline Partnership cooperative engineering efforts have resulted in numerous shared patents including Plug and Play, Advanced Configuration and Power Interface (ACPI), and Device Bay.

- **Joint Marketing**

  Customers receive special opportunities by participating in joint seminars, customer events, account briefings, communications, and messaging provided by Compaq and Microsoft teams. The Frontline Partnership marketing programs deliver value through communication of the latest advances in web-enabled information technologies that help businesses to compete effectively in the ever-changing world marketplace.

- **Joint Support**

  By providing joint training, technical tools, information databases, and dedicated personnel, Compaq and Microsoft provide superior service for all your information and technology needs. Compaq Professional Services help plan, design, and implement computing infrastructures, while Compaq and Microsoft Customer Support Services help manage and maintain the existing computing resources effectively.

- **Joint Testing**

  Compaq and Microsoft extensively test solutions to ensure performance and reliability and to instill confidence in your choice of a Compaq and Microsoft solution. An Enterprise Solution Center in Redmond, Washington has a dedicated team of experts with a wide range of expertise to help customers test and determine what enterprise solution works best for their business. This ongoing testing involves every Microsoft project from its earliest stages through service pack releases.

- **Joint Training**

  Compaq and Microsoft provide their personnel with sales and technical training to insure the proper level of expertise in communicating the advantages of our joint solutions. We provide this training to groups ranging from corporate technical support teams to field sales and engineering as well as our resellers and solution providers.

In addition, Compaq maintains a global network of technical briefing centers in the US, Europe, Asia, and Japan. Compaq operates 29 Microsoft Authorized Support Centers and is one of only two service providers authorized by Microsoft to support its enterprise customers.

Why Microsoft Windows 2000

Microsoft built Windows 2000 Server for the business Internet. The three versions–Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 Datacenter Server–provide a comprehensive range of Internet technologies, reliability, availability, and support for the newest hardware. However, Compaq made sure that its older equipment works with Windows 2000 as well.

Internet Technology

Connection, efficiency, security, and expansion are critical to any company using the Internet to do business with either consumers or other businesses. With Windows 2000, you can:

- Connect employees, customers, and suppliers securely–anywhere in the world

- Build line-of-business applications to run your company more efficiently

- Share selected information without compromising confidentiality

- Expand your network environment as needed

Reliability

Microsoft changed the way the developers design, develop, and test Windows to increase the reliability of its operating system. The reliability improvements translate to fewer network interruptions because of more server uptime. Included among the improvements:

- New development tools

- Dedicated reliability teams

- System-wide stress tests simulating millions of users

- Windows 2000 Driver Verifier for independent software developers and hardware vendors

- Less restarting after hardware and software installation and reconfiguration

- Resource-partitioning to prevent application failures from forcing reboots

- More reliable and scalable clustering capabilities

Availability

Microsoft designed Windows 2000 for easy deployment, configuration, and use making this operating system both cost-effective and highly available. Most hardware and software installations do not require rebooting the server. Windows 2000 includes other new or enhanced features, such as:

- Wizards to assist with deployment and configuration

- Support for Plug and Play network adapters

- Simplified delegation features

- More consistent user interface

- Group policy component

- Windows Management Instrumentation (WMI)

- Windows Script Host (WSH)

- Microsoft Management Console (MMC)

- Resource partitioning feature

- Task Manager improvements

- Boot options enhanced to provide quicker restarts

- Two and four-node clustering capabilities to provide enhanced high availability for applications and protection against system failures

Hardware Support

Windows 2000 allows you to take advantage of all the latest advances in hardware and communication products. While vendors like Compaq certified older equipment to operate Windows 2000 Server and Windows 2000 Advanced Server, this new operating system supports a wide range of the latest technology, including:

- Multi-processor hardware

- Plug and Play devices

- USB devices

- Network adapters

- QoS-enabled switches and routers

- Smartcards

- Wireless communication

- Infrared devices

- FireWire

Microsoft Windows 2000 Versions

Microsoft offers three versions of its Windows 2000 operating system for server environments, Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 Datacenter Server.

Windows 2000 Server provides features, benefits, and functionality not available with Windows NT Server including Active Directory, an improved user interface, a more standards-based environment, faster performance, enhanced security, comprehensive support, and, most importantly, greater reliability.

Windows 2000 Advanced Server adds support for extremely high-performance servers and clustering. Advanced Server allows you to increase server performance and capacity by adding processors and memory, a process called scaling up, as well as by adding additional servers, a process called scaling out. Advanced Server supports a two-node cluster linking two servers together so, if one server goes down, the other picks up the workload. Advanced Server also supports network load balancing over 32 servers, redistributing the workload between remaining servers in case of a failure. Advanced Server introduced Physical Address Extension (PAE); PAE allows the operating system kernel to take full advantage of all available physical memory for existing applications.

Windows 2000 Datacenter goes even further to handle more processors and memory per server, to scale to a four-node cluster, to implement Winsock Direct, and to utilize Process Control. Winsock Direct increases the communication bandwidth between applications in a system area network (SAN). The Process Control tool manages the allocation of server resources using objects to organize, control, and manage the processes on your network along with the resources they use.

Windows 2000 Datacenter Server is only available from qualified OEMs. The Compaq Data Center program offers customers an industry-standard solution with the highest levels of performance, reliability, and stability demanded in today's business critical environments. The Compaq ProLiant Data Center Solutions include not only the ProLiant 8500 and ProLiant 32-way ML770 with Windows 2000 Datacenter Server, but also contain a unique change control program to ensure a stable and reliable solution over time. The joint Compaq and Microsoft Support Center provide an enterprise level support program.

Table 1 provides guidelines for selecting the Windows 2000 Server version for your business.

Table 1. Choosing the right server version

Windows 2000 Server	Windows 2000 Advanced Server	Windows 2000 Datacenter Server
Multipurpose operating system for all sizes of businesses	Operating system for e-commerce and line-of-business applications	Operating system for the most demanding levels of availability and scale
File and print, web server, group mail	Line-of-business, dot-com backend usage	Large-scale line-of business and enterprise dot-com usage
Scales from 1 to 4 processors, up to 4 GB	Scales from 1 to 8 processors, up to 8 GB	Scales from 1 to 32 processors, up to 64 GB
Components tested through Microsoft Windows Hardware Compatibility Labs (WHCL)	Components tested through Microsoft Windows Hardware Compatibility Labs (WHCL)	Systems tested through the Datacenter HCL
Reliable and available	Enhanced reliability and availability through two-node clustering, 32-node network load balancing	Maximum reliability and availability through four-node clustering, 32-node network load balancing

For additional information on Microsoft Windows 2000 Server products, check the Microsoft website: http://www.microsoft.com/windows2000/default.asp.

Why Compaq ProLiant Servers

Compaq offers an advantage in your Windows 2000 deployment. Windows 2000 was designed and tested on Compaq equipment ensuring complete interoperability and compatibility. Compaq is the only outside equipment manufacturer (OEM) to participate in the original Rapid Deployment Program (RDP) with Microsoft. This enabled Compaq to join in the input for design and performance characteristics of Windows 2000. Compaq was also a Joint Development Partner (JDP) for Windows 2000. All events, conferences, and labs for the RDP were powered by Compaq and more than two thirds of all RDP/JDP participants piloted and planned deployment of Windows 2000 on Compaq ProLiant servers.

As market leaders, Compaq and Microsoft move enterprise technology to industry standards. Working together, we reduce the complexity, risk, and cost of deploying and managing industry-standard products, services, and solutions. Compaq engineers have spent thousands of hours in development and testing to offer products, solutions, and services guaranteed to lower total cost of operation (TCO) and boost overall performance.

Compaq has the largest Windows 2000 trained and certified workforce with 3,400 Microsoft professionals to offer service and support unmatched in the industry.

Products

Compaq leads the way in revolutionizing the economics of network computing with reliable, stable industry-standard solutions. Compaq products offer innovations designed to enhance quality, reliability, maintainability, performance, and TCO. Even the Compaq quality pledge reflects the commitment to listen to you in order to deliver the highest quality products, services, and solutions to ensure value and contribute to your success.

Compaq offers its award-winning ProLiant servers with scalable storage solutions for a complete hardware strategy. Innovations, such as PCI Hot Plug and Online Volume Growth, make Compaq solutions reliable, available, and scalable.

The close working relationship with Microsoft, experience and performance with Windows 2000, and engineering innovations make Compaq ProLiant the best server for Windows 2000 environments.

Compaq ProLiant Servers

In 2000, Compaq shipped its four-millionth ProLiant server exhibiting the continuing trust of customers in the premier family of Compaq servers. Our engineering expertise and close working relationships with customers and Microsoft in designing, integrating, and testing servers allow us to design a comprehensive line of servers that best address customers' needs for their Windows 2000 server environments. Leading software companies often develop their applications on ProLiant platforms, providing the most stable and interoperable environment.

Compaq ProLiant Servers demonstrate their remarkable strength in the market through the variety of awards they win; check http://www.compaq.com/products/servers/announcements/proserver_awards.html for details.

Compaq offers a complete line of industry-standard servers in the ProLiant series. In addition to the reliability and ease of use with Windows 2000 that Compaq provides, ProLiant servers are manageable and scalable.

The new-generation platforms in the ProLiant family represent the new Compaq positioning framework. This new positioning framework makes it even easier to select the correct ProLiant server for your needs. You can choose from three lines based on your environment:

- CL–packaged for simplified clustering

- DL–optimized for rack-mount environments

- ML–maximized for internal system expansion

You can choose from three series numbers within each of the lines for the server designed to fit the needs of your applications. Figure 1 shows the wide range of products available in the ProLiant line of servers.
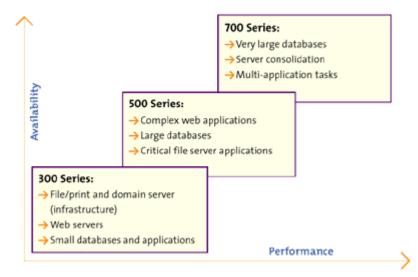

Figure 1. ProLiant server applications

PCI Hot Plug

Compaq and Microsoft worked together to deliver PCI Hot Plug capabilities to Compaq customers using Windows NT Server 4.0 and Windows 2000 Server operating systems. For Windows 2000, the Compaq implementation of PCI Hot Plug functionality enables hot add, hot replace, and hot remove in all PCI Hot Plug-capable slots.

Compaq PCI Hot Plug hardware isolates each hot-plug slot from all other devices on the PCI bus. By offering slot-level control, Compaq provides great flexibility. Slot-level isolation eliminates interruption to other components and applications using those components enabling the system to continue performing useful work throughout the hot replacement.

Hot plug elements include hard drives, power supplies, and fans.

ProLiant Clusters

The Compaq ProLiant Cluster Family provides high availability for applications and data in business-critical Windows 2000 operating system environments. Using a combination of Compaq industry-leading ProLiant servers, Compaq StorageWorks RA4100 and MA8000/EMA1200 storage, Ethernet or ServerNet server-to-server interconnect, and the Compaq industry-leading installation and systems management utilities, Compaq ProLiant Clusters maximize uptime for business-critical applications eliminate downtime for planned maintenance, and provide automated recovery from hardware and software failures.

More information on Compaq ProLiant Clusters can be found at the following web site: http://www.compaq.com/highavailability

Compaq provides a full range of cluster solutions to meet every customer's high availability requirements. There are three main product groups in the ProLiant Cluster Family:

- **ProLiant CL380**. The ProLiant CL380 consists of two Compaq server nodes and shared storage; pre-packaged in a cost-effective, space efficient cabinet giving customers the easiest, most affordable clustering solution for Windows 2000. The ProLiant CL380 is ideal for remote systems requiring unattended high availability, Branch Office industry applications (retail, health care, financial), and dedicated function servers needing high availability.

- **ProLiant Cluster HA/F100 and HAF200**. The ProLiant Cluster HA/F100 and HAF200 use Compaq ProLiant servers, combined with StorageWorks RA4100 storage, to provide a redundant fibre channel-based cluster system. This is an ideal high availability solution for customers requiring fibre channel Storage Area Network (SAN) connectivity and the flexibility to use the right ProLiant server that meets their processing requirements.

- **ProLiant Cluster HA/F500**. The ProLiant Cluster HA/F500 uses Compaq ProLiant servers combined with StorageWorks MA8000/EMA12000 fibre channel storage, to provide a highly redundant, scalable enterprise level cluster solution. This is ideal for customers who demand the highest levels of performance, availability, scalability, and capacity. Additionally, the ProLiant Cluster HA/F500 Enhanced Disaster Tolerant (DT) configuration provides a disaster recovery solution that separates the cluster nodes and mirrored storage by distances of up to 100 km. The ProLiant Cluster HA/F500, with ProLiant 8500 servers, also provides the basis for clustered Windows Datacenter Server high availability environments.

Online Volume Growth

Online Volume Growth, incorporated into the SANworks Virtual Replicator offers the ability to grow NTFS volumes on basic disks, guides the user in capacity planning, and extends existing driver letters. With easy-to-use Wizards, it allows Windows 2000 system administrators to dynamically expand a virtual disk and a basic disk without rebooting the server.

To grow your virtual disks, you add new storage units, assign them to an existing storage pool, and then use the additional capacity to expand any of the virtual disks associated with the pool. You can grow a volume on a basic disk by creating additional space on the disk into which the volume can expand. SANworks Virtual Replicator grows the existing volume onto available storage and revises the disk block mapping. The file system recognizes the changes dynamically. The system remains online throughout the process, the data on the volume remains intact, and system administrators avoid rebuilding servers due to insufficient disk space.

Services

Compaq Global Services provides full lifecycle support for your Windows 2000 deployment. Services include design and implementation, planning, and management and support of your network. With 28,000 service professionals in more than 200 countries, Compaq offers the most comprehensive 24x7 support in the business.

Compaq Global Services supplies support services for Windows 2000 in modules. You choose the modules you want:

Architecture scan

The Compaq Solution Architect Methodology helps customers discover how the advanced features of Windows 2000 benefit their unique infrastructure and address their business needs.

Readiness assessment

Compaq defines a detailed set of customer requirements and functionality needs for the Windows 2000 platform.

Design review

This service prepares your current infrastructure for a smooth transition by assessing your current environment, network, and hardware readiness to determine the level of effort required to integrate Windows 2000.

Pilot

Experienced consultants assist and advise customers as they test the interoperability and features of Windows 2000 in a controlled environment.

Planning and design

Compaq Services consultants help customers develop a detailed Windows 2000 infrastructure design and transition plan based on their extensive experience in similar projects.

Implementation

Use our proven project methodology and Windows 2000 tools to deploy your new infrastructure smoothly and efficiently.

FutureSourcing

FutureSourcing provides the capability, capacity, and global coverage to deploy and manage Windows 2000. You can make the move more quickly and productively, with less risk, by relying on Compaq expertise to take full responsibility for the migration and ongoing management. You focus on where your business needs to go while Compaq gets you there.

Installation and startup

Compaq Services tailors the installation and startup phases of Windows 2000 to meet the needs of large or small environments.

Management and support

These post-implementation services ensure that you enjoy maximum benefit from your Windows 2000 investment and include 24x7 support and infrastructure management.

Availability services

These services provide different response levels designed to maximize your business' availability.

Compaq Global Services offers a complete portfolio of Windows 2000 services and has the experience and expertise to complete the migration of your network with minimal risk to your business. For more information on Global Services offerings, visit http://www.compaq.com/services/windows2000/index.html.

Intelligent Manageability

Compaq provides information products and service professionals to assist you with every step in your Windows 2000 conversion process. Tools include Compaq SmartStart, Compaq SmartStart Scripting Toolkit, and the Array Configuration Utility.

After you complete your conversion, Compaq provides tools to manage your hardware and software and to keep your network running at optimal levels. Management tools include Compaq ActiveUpdate, Compaq Insight Manager, Compaq Insight Manager XE, Compaq Survey Utility, and Remote Insight Lights-Out Edition.

Compaq SmartStart

Compaq SmartStart, the configuration and software integration tool from Compaq, aids in the installation of Compaq servers. It configures and optimizes the hardware, simplifies the process of loading the operating system, and installs any specialized device drivers and support utilities.

Compaq SmartStart Scripting Toolkit

The SmartStart Scripting Toolkit delivers unattended automated installation for high volume server deployments. The SmartStart Scripting Toolkit, a modular set of utilities, supports the Compaq ProLiant DL and ML series servers. Using SmartStart technology, the Scripting Toolkit provides a flexible way to create standard server configuration scripts. These scripts can automate many of the manual steps in the server configuration process cutting time from each server deployed and making it possible to scale server deployments to high volume in rapid fashion.

Deployment methods include across-the-net installation, software imaging, and custom CD-ROM. The SmartStart Scripting Toolkit provides the following benefits:

- Rack and go deployment freeing up IT resources

- Virtual presence server deployment

- SmartStart technology for configuration and optimization of hardware

- Replication utilities

Essentially, the SmartStart Scripting Toolkit delivers consistent server configurations across multiple servers and scales to support high volume deployments lowering the per server cost.

Array Configuration Utility

The Array Configuration Utility simplifies array configuration and facilitates online capacity expansion as a graphical user interface. There are two versions of the Array Configuration Utility; one runs from bootable diskettes and the other runs online from the operating system. Each offers the ability to manage the arrays for any of the Compaq SMART, Compaq SMART-2, and Compaq Smart Array controllers.

Compaq ActiveUpdate

Compaq ActiveUpdate keeps IT administrators directly connected to Compaq for proactive notification and delivery of the latest software updates. This web-based application subscription provides updates for server, desktop, workstation, and portable models. On a user-defined schedule, this service proactively delivers software updates to the customer site.

ActiveUpdate delivers software updates formatted with easy to understand titles and descriptions. Updates can be sorted by date delivered, title, and system platform. Detailed software descriptions make it easy for IT administrators to get the information they need for critical bug fixes, to make proactive deployment decisions, or to simply keep systems up and running at peak performance levels.

Compaq Insight Manager

Compaq Insight Manager presents an intuitive systems management tool delivering fault, performance, and configuration management for Compaq servers and desktop clients. Compaq Insight Management software follows client-server architecture. The front-end management application, Insight Manager, delivers management capabilities to the user in an intuitive, easy-to-use manner. Meanwhile, the back-end software, Compaq Insight Management Agents (Management Agents), run on the server providing access to the advanced hardware technologies that make server management possible.

Management Agents check fault and performance indicators for the server hardware and options, providing the information in the form of a Management Information Block (MIB). Management Agents also collect asset information and component failure information making these available to administrators even when the server is down or otherwise inaccessible to the network.

Management information passes to Insight Manager through the Simple Network Management Protocol (SNMP), the industry standard for management information communication. This standards-based management scheme also allows SNMP-based management platforms to monitor Compaq Server Management data.

Compaq Insight Manager XE

Compaq Insight Manager XE provides web-based management for Compaq servers, and any HTTP, SNMP MIB-2, or DMI v2 compliant device. The strength of Compaq Insight Manager XE lies in its ability to provide system administrators real control through an easy-to-use industry standards-based web interface. Feature-rich, intuitive, and extensible, it unlocks the built-in manageability of Compaq hardware.

Insight Manager XE was built from the ground up as a web application to work with industry-standard management agents. With its integrated Cluster Monitor, Compaq Insight Manager XE provides system managers with a single monitor point for both stand-alone systems and Compaq ProLiant Clusters with Microsoft Cluster Server (MSCS). The Cluster Monitor provides aggregated system data and presents it as a single view of the cluster configuration.

The Compaq Intelligent Cluster Administrator is a web based cluster administration tool for Windows 2000 based clusters that provide a single point of control for Microsoft Cluster Services. From a web browser, the administrator can point to a cluster node URL, monitor, manage, create and set policies for Compaq ProLiant Clusters across the enterprise. This gives the administrator a virtual link to Microsoft clusters anytime anywhere, thus freeing the administrator from being tied to any one console or area to make critical administrative actions.

Compaq Survey Utility

Compaq Survey Utility takes the comprehensive reporting functionality of Inspect and delivers it in an online format. This online capability means that servers running business-critical applications do not require shut down to collect the critical information required for a service call.

Not only can Compaq Survey Utility be run while the server is online, but its initial install can be completed without ever having to restart the server making it a true online service tool.

Compaq Survey Utility captures both hardware information and operating system parameters. By combining hardware and software configuration captures, Compaq Survey Utility delivers a comprehensive view of the server with the ease and simplicity of a single tool.

Another important benefit of Compaq Survey Utility relates to its ability to identify recent configuration changes. Recent configuration changes are often the source of the problems manifesting on the server. The ability to quickly generate comprehensive configuration snapshots and highlight specific changes enables problem resolution time to be significantly reduced.

The information gathered by Compaq Survey Utility can be accessed locally at the host server console.

Remote Insight Lights-Out Edition

To see a Flash demonstration of the capabilities of Remote Insight Lights-Out Edition, go to http://www.compaq.com/manage/rib_lo.swf.

Remote Insight Lights-Out Edition, designed and priced to provide remote server management in corporate data centers and remote sites, allows browser access to Compaq servers through a seamless, hardware-based, OS-independent graphical remote console. Hardware-based, it requires neither additional software nor any host server CPU cycles. The on-board graphical remote console capability turns the client browser into a virtual desktop, no matter what operating system the host server is running or what state it is in.

The Compaq Remote Insight Lights-Out Edition also includes additional new features, such as a virtual power button, DNS/DHCP IP auto-configuration, and ROM-based configuration capability. It also continues to provide the rich suite of remote management features available with the Compaq Remote Insight Board/PCI.

Compaq Remote Insight Lights-Out Edition can be used to deploy headless servers that do not require a monitor, keyboard, or a mouse. If deployed in every server in a rack, it eliminates these devices on every server as well as the switchbox and associated cabling complexity.

For more information on Compaq Remote Insight Lights-Out Edition, visit http://www.compaq.com/manage/remote-lightsout.html.

Why Compaq and Windows 2000

Compaq has worked and continues to work with Microsoft in testing and developing products, services, and solutions that take greater advantage of all the Windows 2000 features. In addition, Compaq provides a host of online resources available to speed your Windows 2000 solution.

- **Frontline Partnership website**

  This website contains the latest information on Compaq offerings for Windows 2000 including news, technical support, product updates and information, special offers and promotions, and the latest breaking news on the Compaq and Microsoft partnership. Visit at http://www.compaq.com/windows2000.

- **ActiveAnswers**

  This innovative Compaq website simplifies the planning, deployment, and operations for your Microsoft Windows 2000 or Microsoft Windows NT Server 4.0 business solution. ActiveAnswers eliminates the need to learn complex configuration and integration details with its tools, sizers, and white papers.

They provide step-by-step instruction for planning, deploying, and managing hardware and software solutions. Check ActiveAnswers through http://vcmproapp02.compaq.com/activeanswers/global/en/solutions.1168/default.asp.

- Windows 2000 Advantage

  Windows 2000 Advantage serves as the primary resource of IT leaders for timely, reliable, and credible information to aid in the planning and deployment of Microsoft Windows 2000 and Windows NT on Compaq platforms. Produced by Computerworld Enterprise Business Solutions and underwritten by Compaq and Microsoft, this web magazine addresses the issues that most concern IT managers charged with keeping their companies on top of the latest and best solutions Microsoft and Compaq have to offer. This site provides peer-to-peer information you can't get anywhere else, including case studies, Q & As, resources, roundtables, columns, and more.

  For the English version, check http://www.windows2000advantage.com, for the French version, go to http://toutwindows2000.com, and find it in German through http://windows2000advantage.de.

- Win2TV

  Sponsored by the Compaq/Microsoft Frontline Partnership, *Win2TV*, an interactive streaming-media show, changes the way businesses view the Web. In this short, yet informative, 30-minute program format, *Win2TV* highlights the successes and challenges that come with migrating to Microsoft Windows 2000. Addressing areas on both the server and client sides with professional reporting and quality production, *Win2TV* is reaching thousands of business and IT executives representing companies from the Global 500 to the smallest dot-coms, http://www.compaq.com/win2tv. *Win2TV* serves as another communication vehicle for educating customers on Windows 2000 and the Compaq unique value proposition.

- Resource Paq for Windows 2000/NT

  This CD-ROM contains utilities, technical documentation, software drivers, and customer support information for administrators and users of Compaq products running Windows 2000/NT. The Resource Paq for Windows 2000/NT also includes a collection of solution stories, press releases, videos, and slide presentations that define the Compaq commitment to support Windows 2000 and Windows NT on Compaq platforms. Look at it through http://www.compaq.com/partners/Microsoft/ResourcePaq/index.html.

Summary

Compaq ProLiant is your best choice for a Windows 2000 platform. ProLiant servers and Windows 2000 together offer the reliability, scalability, availability, and manageability features you need with the expertise, innovation, and solutions performance you expect from Compaq.

Appendix A–Certified Products

Compaq supports Windows 2000 on these ProLiant servers:

ProLiant 400	ProLiant 3000	ProLiant 7000 and Xeon	ProLiant DL580
ProLiant 800	ProLiant 4500	ProLiant 8000	ProLiant ML330
ProLiant 850R	ProLiant 5000	ProLiant 8500	ProLiant ML350
ProLiant 1200	ProLiant 5500 and Xeon	ProLiant CL380	ProLiant ML370
ProLiant 1500	ProLiant 6000 and Xeon	ProLiant CL1850	ProLiant ML530
ProLiant 1600	ProLiant 6400R	ProLiant DL320	ProLiant ML570
ProLiant 1850R	ProLiant 6500	ProLiant DL360	
ProLiant 2500	ProLiant 6500R	ProLiant DL380	

Because of the strict requirements for testing, certification, and life-cycle change management, Compaq supports a limited server list with Windows 2000 Datacenter:

ProLiant 8500 Data Center

ProLiant 8500 Data Center 2-node cluster

ProLiant 8500 Data Center 4-node cluster

ProLiant ML770