How can you simplify
management
of your enterprise?

It's simple ... with *Compaq Tru64™ UNIX®*,

you have power for the enterprise

and the luxury to reduce costs with

sophisticated tools that are easy to use.

COMPAQ
Better answers

Manage better, easier, and faster

You depend on *Compaq Tru64 UNIX* to deliver the high level of reliability, scalability, and performance you need to power your enterprise business environment. But the pressure is on from all directions. Upper management demands that you keep costs down, and users expect excellent service and access to applications at all times. Add in a heterogeneous network, rapidly evolving application requirements, disparate client departments, and the need for rapid deployment, and you are bound to ask: "How can I manage it all?"

Tru64 UNIX system and storage management software offers real help in a real world. With features built into the operating system, this full suite of comprehensive management solutions is designed to enhance your productivity and efficiency on every level, from daily tasks such as event management, monitoring performance, balancing storage, and running system health checks, to the more complex tasks of planning for upgrades and expansions.

And now, with the new *TruCluster™ Server Software*, your systems look like one, with single system view, whether you have two or eight nodes. When you perform a management function, you do it once for the entire cluster. It's that simple!

Tru64 UNIX system management software offers a wide choice in interfaces — an icon-based Web browser, Java™, *Compaq Insight Manager* running on a PC, a MOTIF GUI, or a command line interface. This flexibility minimizes your training curve, which in turn lowers your total cost of ownership.

A breadth of solutions for every level of the enterprise

The truth is, Compaq system and storage management software tackles all the hard work. Time- and money-saving features are built in at every step — from unattended installation and preconfigured tasks to an intuitive GUI.

Centralized management from a local or remote console for a single or clustered system means you can respond immediately to resource problems. Common management tasks are simplified with graphical menu interfaces that map the "big picture" for system and storage layout and show real-time updates. Detailed data is always just a click away.

Additional management software allows you to keep track of files being served. Online disk and storage management capabilities eliminate the need for single-user maintenance mode — with no tedious, time-consuming reconfiguration.

One-stop management meets
→ high-availability needs

Our system and storage management software tools integrate smoothly with our *Tru64 UNIX* operating system — and with each other. System management tools enable you to remotely reconfigure your systems, and to easily add new users. Storage tools let you dynamically manage terabytes of storage, keeping track of hundreds of disks in a system, and tuning them online for maximum access and optimal performance.

With these sophisticated management tools, you identify and respond to resource problems more quickly and adapt to the rapidly changing needs of your business environment. Not only is your job easier, your entire IT organization reaps the benefits of improved efficiencies and lowered cost of ownership. Whether building a multi-terabyte data warehouse or developing an electronic commerce system, users expect business-critical applications and information to be available at all times.

Empower
your staff and protect computer resources

Online backup, restore, and archive functions can be done automatically at predefined times while the system is up. Administrators simply "set it and forget it." Backup configurations and storage assets are redefined on the fly, making save and restore operations totally compatible with the day-to-day needs of your UNIX operations.

Management solutions for your enterprise

Compaq Tru64 UNIX system monitoring and management tools identify problems quickly, so applications remain available and users stay productive. Critical to this are the events that demonstrate the health of your environment. The graphical Event Manager delivers a quantum improvement in event management. A single event log consolidates system events to provide a unified view of system behavior and enables you to proactively manage your system. Events can be monitored, filtered, prioritized, and routed to applications as needed. Administrators are notified of their critical events via e-mail, pager, or their cellular phones.

Routine administrative tasks, such as print-queue management, can be automatically routed to less senior support staff who can take corrective action without needing the super-user password. Now you can empower your work force while protecting your computer resource.

Automated monitoring and corrective action via customizable filtering are among the capabilities built into today's *Compaq Tru64 UNIX* operating system. *Compaq TruCluster Server* ensures that your critical applications are running and that all

their critical resource needs are met. In addition, automated backup facilities protect your applications and data with minimum operator intervention.

With a few mouse clicks, storage management software lets you dynamically configure and tune storage without interrupting your users. You can add or remove disks; grow, shrink, or add more file systems; and do backups — all online without taking the system down.

Flexible and easy-to-use system management tools with an intuitive GUI

Packaged with the operating system is *Compaq System Management Software* (*SysMan*)*,* designed to assist you with the installation, configuration, and administration of your *Tru64 UNIX* systems. You can access *SysMan* applications through your choice of CDE, X Window display, command line, Java, and Web browsers. *SysMan* applications include:

→ *Installation*

Ease of installation of *Tru64 UNIX* systems has been simplified so a user with virtually no UNIX experience can install a system in a fraction of the time traditionally needed for other UNIX variants. The user can choose either a QUICK Setup Menu, or opt for a customized installation if their installation requires more in-depth attention. Either way, the user has easier, improved, consistent interface choices. In addition, full and update installations include system replication through cloning as well as support for unattended installation and

Out-of-box tools

- - - - - → simplify

and reduce cost of ownership

Without a doubt, today's distributed enterprise networks are some of the most complex ever constructed, and sure to include components from multiple vendors running on multiple operating systems. In this heterogeneous environment, management becomes even more challenging.

To meet the challenge, Compaq offers a growing portfolio of management solutions for the total enterprise. *Compaq Insight Manager*, for example, delivers unparalleled return on investment. No other vendor supplies this level of functionality across diverse platforms *out of the box* and ready to go. It also provides enterprise-wide monitoring and control as well as integration with third-party tools including BMC® and Computer Associates®.

Compaq Insight Manager continues the Compaq tradition of delivering industry-leading scalability and management functionality by taking advantage of the pervasive Web style of computing to provide access to *Insight Manager* device and configuration information from everywhere there is network access.

Tools this easy to use

------------→ are bound to save you time and money

remote installation. User-defined scripts for custom installations are also supported.

→ *Configuration*

Configuration applications provide a simple and consistent method for configuring subsystems and determining, at a glance, if a component is configured or deconfigured. Access to these applications is provided through the checklist application, which is displayed immediately following a system installation or through the CDE applications manager.

→ *Administration*

Administration provides a simple, consistent, step-by-step method for configuring your UNIX systems. The most commonly used services are preconfigured. Configurations can also be saved for cloning additional systems, which is a great time-saving tool. And now with the sophisticated Event Manager, you have a unified view of your environment so you can react to issues more quickly.

Smart, low-cost online storage management tools for superior availability and data control

Compaq Storage Management Software tools are as intelligent as they are easy to use:

→ *Compaq Advanced File System for Tru64 UNIX (AdvFS)*

With *AdvFS*, you can reboot in seconds. This allows you to manage terabytes of online storage. It also provides an easy, efficient way to keep track of the files being served. No matter how large your file system, transaction journaling ensures quick recovery

from unexpected events, such as power failures. Configuration capabilities are incredibly flexible. Volumes are single-disk partition, an entire disk, or an aggregated volume. And instead of making optimization decisions on a coarse disk-by-disk basis, you make them on a more precise file-by-file basis.

Compaq Logical Storage Manager (LSM)

With *LSM*, you can dynamically grow, shrink, and change your volume configuration, create or change mirrored and striped volumes, and monitor and tune I/O performance without taking your system down. You can also protect your sensitive data using RAID 1 (mirroring) or RAID 5 to provide the highest data availability for your business applications. *LSM* also tracks regions on a mirrored volume that have changed due to I/O writes, and quickly resynchronizes the volume in the event of a system failure. And for greater simplicity, *LSM* manages a cluster's storage in the same way that it manages a single system's storage.

Compaq NetWorker for Tru64 UNIX

This tool protects your data in your client/server computing environment by handling backup, restore, and archiving functions for both UNIX and non-UNIX systems. *NetWorker* allows servers to share tape devices and index information, so if a server goes down during backup, the backup operation will failover to an alternate server automatically. Our backup product provides high-performance backup capabilities, which are particularly important for very large databases. *NetWorker* will handle hundreds of gigabytes per hour, dramatically reducing your backup time.

Staying open to
→ UNIX management
solutions
from other industry leaders

To better meet your enterprise needs, Compaq partners bring you a complete portfolio of management software products that support a range of UNIX systems, including solutions to help you set up an IT environment that fits your specific business requirements.

Our goal is to protect your investments in a variety of technologies and platforms. If you have standardized on a particular system or network management platform, you can integrate *Tru64 UNIX* smoothly into the mix, and still retain the value of your existing solutions.

Partners include major enterprise vendors, such as Computer Associates and Tivoli™, as well as the top point-product vendors, including PLATINUM Technology®, BMC Software, and Open Systems Management Ltd.

"During more than three years of continuous operation, we have experienced no downtime on any of these servers due to hardware or software faults. This represents 100% availability of service to IBL customers; a very impressive statistic for this length of time."

— *Peter C. Durhager, Logic Communications*

For more information on *Compaq Tru64 UNIX System and Storage Management* products, locate the name of your nearest sales representative or authorized business partner for our products at:

www.compaq.com/tru64unix

Tru64 UNIX system and storage management: making your life

- - - - - - → easier

It's simple ... with integrated system and storage management, you have power for the enterprise and the luxury to reduce costs with sophisticated tools that are easy to use.

➡ High availability with online system and storage management

➡ Simplified management with a wide choice of user interface including Web browser

➡ Total cost of ownership reduced with single-system management

➡ Functions are performed once regardless of number of systems in a cluster

➡ Revolutionary Event Manager for unified system view

➡ Staff is empowered and sensitive resources are protected

➡ A growing portfolio of management solutions, including *Compaq Insight Manager*