hp storage

**hp storage solutions
for Microsoft® Exchange 2000**

strategic storage solutions for the collaborative enterprise

Messaging is no longer a synonym for e-mail. Today's enterprise depends on messaging to complete a broad range of business-critical activities successfully—from collaborating on strategic initiatives, to integrating voice and video into workflow processes, transferring business-critical documents, sharing group calendars, and streamlining communication among employees, partners, and customers.

Microsoft Exchange 2000 is an increasingly popular enterprise collaboration platform. The soaring volume of data transmitted via Exchange 2000, though, can create critical storage and storage management challenges. Enterprises must cope with the high cost of expanding network storage capacity to meet escalating user demands, often on the fly.

HP enterprise storage solutions for Exchange 2000 provide proven and integrated solutions based on industry best practices and pretested configurations. These solutions provide enterprises with a single, centralized storage platform and the management tools needed to successfully manage even the largest Exchange 2000 environments. By simplifying information-sharing and ensuring the availability of key data, HP enables enterprises to reap even greater benefits than they previously thought possible.

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optimize Exchange 2000 with hp storage solutions

HP offers storage solutions that address five major challenges of a successful Exchange 2000 implementation. These storage solutions help:

- **maximize availability.** HP designs backup and recovery solutions that maximize data availability by completing recovery operations within minutes, rather than the hours typically required using conventional restore methods. HP storage hardware dramatically reduces the risks of unplanned downtime with mirroring technology and redundancies built into storage arrays.

- **ensure scalability.** With online capacity additions, support for storage area network (SAN) environments, industry-leading optical archiving solutions, and an innovative pay-per-use expansion option, HP storage solutions for Exchange 2000 can be quickly scaled to meet the most demanding environments.

- **enhance manageability.** By integrating the HP OpenView Storage Area Manager toolset with Exchange 2000 and enterprise storage applications, HP delivers operational efficiencies that allow businesses to manage more data without increasing resources.

- **enable consolidation.** HP allows enterprises to deploy the same storage solutions for Exchange 2000 as for other strategic applications. Businesses realize significant economies of scale by consolidating multiple servers into a small set of high-performance systems. HP also provides centralized management tools and processes to simplify administration of heterogeneous consolidated storage environments.

- **achieve rapid deployment.** HP storage solutions can be easily expanded and customized to satisfy the unique Exchange 2000 demands of any enterprise. Sample pretested configurations include entry-level, midrange, and enterprise-class solutions.
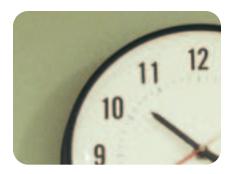
HP and Microsoft: a proven partnership

HP and Microsoft have a strong alliance built on more than 15 years of working together on multiple generations of key technologies and products. Exchange has played an important role in this ongoing relationship because for more than a decade, HP has provided enterprise customers with tested Exchange solutions built using HP servers, storage, and management tools. And Microsoft's own Exchange infrastructure is operated on HP products.

HP has been designated by Microsoft as the only Worldwide Prime Integrator for Exchange 2000, with more than 10 million Exchange seats implemented worldwide. In addition, HP has years of extensive experience testing, configuring, and supporting the more than 150,000 Exchange seats currently deployed within its own global operations.

Among other services, HP can:

- help enterprises plan for future Exchange 2000 needs by designing scalable storage infrastructures capable of expanding quickly and cost-effectively as needed

- streamline Exchange 2000 procurement, site licensing, and deployment for decentralized organizations

- deliver Microsoft-certified training for enterprise users and IT staffs to accelerate return on investment for Exchange 2000 applications

hp storage solutions for Exchange 2000

HP offers a comprehensive range of storage solutions for Exchange 2000 to meet the needs of any enterprise. These solutions include:

- **instant recovery for Exchange 2000.** A data protection recovery solution that recovers data in minutes by restoring to a selected point-in-time copy.

- **fast recovery solution (FRS) for Exchange 2000.** A disaster-recovery solution designed to enable rapid recovery of multiple Exchange 2000 databases simultaneously in case of data loss or corruption. This solution also helps enterprises proactively avoid downtime with an "integrity check" feature for clustered configurations. FRS works with any backup software product and includes an easy-to-learn graphical user interface to enable quick deployment.

- **rapid restore for Exchange 2000.** A solution that enables near-instantaneous restoration of data by leveraging the cloning technology in HP OpenView Enterprise Volume Manager. Rapid Restore for Exchange 2000 also provides customizable scripts to optimize flexibility.

- **virtualized storage management for Exchange 2000.** A solution based on the HP OpenView Virtual Replicator, Virtualized Storage Management utilizes host-based snapshot technology and enables online volume growth through virtualization.

- **zero downtime backup for Exchange 2000.** A staged backup solution in which data is copied first to disk and then to tape according to customer preferences.

supports business-critical applications

HP storage solutions for Exchange 2000 help enterprises of all sizes provide messaging infrastructures that can cost-effectively expand as needed to support the unique communication and collaboration requirements of each organization.

By implementing robust, scalable, manageable, and available storage solutions for Exchange 2000, HP helps its customers to stay agile and competitive in the midst of economic uncertainty and to thrive in today's rapidly evolving global markets.

To learn more about enterprise storage solutions from HP, visit **www.hp.com/go/storage**.

For more information about Exchange 2000 support and services from HP, visit **www.hp.com/hps/sol/messaging/exch**

key benefits

HP storage solutions for Exchange 2000 can:

- offer a full spectrum of storage solutions to meet the needs of any size business and deliver all required hardware, software, support, and services through a single point of contact

- provide pretested configurations that match specific business requirements

- deliver Microsoft-certified premier support, backed by extensive Exchange 2000 experience and expertise

- offer Exchange 2000-specific archiving solutions based on HP optical products with IXOS

- provide boundless capacity by virtualizing resource sharing via SANs, including almost unlimited expansion of Exchange 2000 mailbox capacities.

- ensure data protection by integrating tape, library, and backup storage and by supporting optical libraries for long-term archiving

- deploy common interfaces for all storage management solutions regardless of device or infrastructure, including HP OpenView Storage Area Manager to provide centralized tools for uniformly managing disparate devices and allocating unused capacity on demand. (Third-party enterprise management solutions are also supported.)

- offer pay-per-use licensing terms to businesses with critical storage environments requiring immediate additional storage capacity on demand

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