

Opsol OmniMessaging



reliable and
scalable e-mail
messaging

solution brief

From children to seniors, small businesses to global corporations—the world has come to rely on e-mail as a linchpin of communication and commerce. When e-mail is down, user productivity grinds to a halt and businesses can accrue significant losses. Consequently, reliable, timely e-mail delivery has never been more critical to companies than it is now. But the mushrooming growth in e-mail use has created an operational nightmare for those companies that manage e-mail servers, and it has become a scaling headache of unprecedented proportions for IT departments everywhere.

the Opsol and hp solution

OmniMessaging from Opsol Integrators is a high-performance e-mail server for environments that support up to tens of millions of subscribers. Developed specifically to take advantage of the proven reliability, scalability, and manageability of the HP NonStop™ platform, OmniMessaging provides the highest level of availability with the lowest total cost of ownership. OmniMessaging supports all open e-mail clients, including Microsoft® Outlook and Outlook Express 2000, Netscape Messenger, and QUALCOMM Eudora.

OmniMessaging integrates easily with existing applications that need e-mail support. It provides an infrastructure for revenue-generating applications ranging from portfolio statements, cellular e-mail, Internet gaming, and GPS support.

customer benefits

reduces operational pain

Because one system supports a million subscribers, OmniMessaging eliminates the need to purchase, support, and maintain large server farms. You can manage the system with single system image (SSI) technology—regardless of how much the system scales—and you can easily add disks, processors, and communications controllers online.

scales with market demand

OmniMessaging distributes and replicates processing across multiple CPUs and nodes, adding resources as needed to support significant expansion on demand. The message store is limited only by the number of CPUs it spans and the amount of disk space available. Each message transfer agent (MTA) supports in excess of 100,000 active messages in the queues and up to 250 active connections to other SMTP MTAs.

reduces cost of ownership

OmniMessaging reduces the cost of supporting large volumes of e-mail users. Running on the leading fault-tolerant platform, it eliminates the high cost of downtime. It provides an open platform that reduces costs and development time. It reduces maintenance costs by rapidly accommodating changes, allowing for reduction in personnel.



the hp and OmniMessaging advantage

continuous availability

Both the hardware and the software are fault tolerant, providing the highest levels of availability in the industry. OmniMessaging ensures that the loss of any single system component doesn't cause the loss or contamination of any message. The NonStop Transaction Management Facility (NonStop TMF) subsystem enables data integrity and consistency of all queues and data stores. It provides availability of services and supports automatic process recovery measured in seconds. Even planned downtime is out of the equation with online repair and configuration and online reorganization and partitioning of the database, eliminating the batch window.

exceptional scalability

NonStop servers lead the industry in scalability. One NonStop server can support up to a million subscribers. With SSI technology, it takes fewer than four people to run the server. A business can start with the smallest NonStop server and add new applications online with no outage. It can expand to the largest NonStop server with more than 4,000 CPUs—adding additional CPUs with minimal disruption to any activity.

lowest total cost of ownership

In a recent report from The Standish Group, NonStop servers were ranked lowest in total cost of ownership for enterprise systems. In real-world implementations, the servers dramatically reduced downtime and operational costs while providing outstanding price/performance.

global presence

Opsol Integrators has customers in Latin America, Europe, Asia-Pacific, and the United States, with offices in Mexico, England, and the United States. HP has a global presence in more than 160 countries.

features at a glance

- Provides a unified messaging environment for e-mail, graphics, video, chat, picture sharing, and short message service (SMS)
- Enables e-mail delivery using the highest levels of data integrity in the industry
- Supports unlimited growth over multiple nodes with a highly scalable e-mail system
- Supports SMS, Wireless Application Protocol, and Enhanced Messaging Service wireless messages for text and graphics to cell phones
- Generates billing records based on message size, number of messages, time of day, and concurrent sessions
- Provides an optimized IMAP4 protocol for wireless messaging to cell phones
- Incorporates 24 x 7 fault tolerance with no planned or unplanned downtime
- Supports a variety of security mechanisms, including encryption, CRAM-MD5, and S/MIME
- Supports a range of clients, including wireless devices, PDAs (Palm and HP iPAQ devices), PCs (with Outlook, Outlook Express, Eudora, and Netscape Messenger), and pagers
- Supports virtual domains for hosting
- Provides a Web portal for calendar sharing, instant messaging, meeting planning, address book, e-mail, and picture sharing



For more information, send a message to solutionstore@hp.com.

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