

Lotus Domino and hp proliant ml530 g2 server

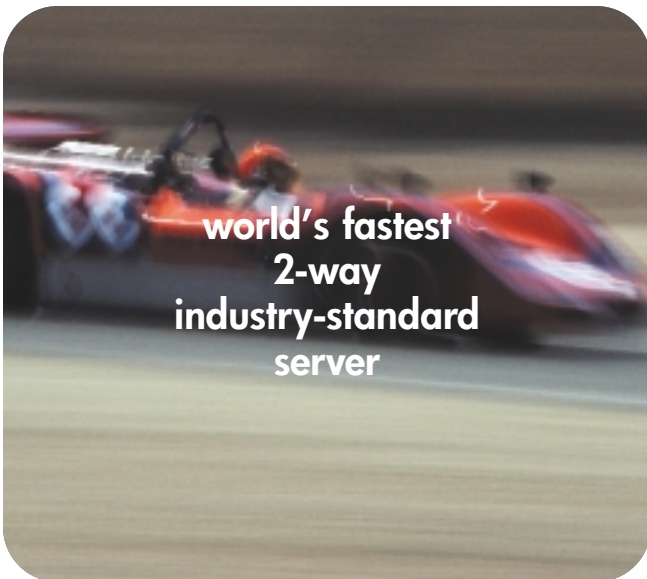
maximizing performance for mail and messaging

Getting more out of your technology investments – that's what it all comes down to. It means supporting more users, at maximum performance, to keep your messaging environment cost effective and your enterprise productive. And when it comes to the Lotus® Domino R5 messaging platform, no one delivers more than HP. In fact, the dual-processor ProLiant ML530 Generation 2 server from the new HP leaves all other 2-way servers (and some 4-ways) in the dust.

In a recent benchmark, audited by KMDS Associates and certified through the NotesBench Consortium, a test of 14,250 simulated R5Mail users connected to the ProLiant ML530 G2 server achieved 19,523 NotesMark transactions per minute (tpm) with an average response time of 0.54 seconds – setting a new world record. A second test of 4,200 simulated WebMail users with the ProLiant ML530 G2 server also exceeded all previous performance records, achieving 2,159 NotesMark tpm with an average response time of 0.578 seconds.

These results are unprecedented. And they prove once again that HP industry-standard servers are the performance leaders consistently leading the industry with world-record NotesBench benchmarks for 1, 2, 4 and 8 processor servers! No wonder ProLiant servers are the number one platform for Lotus Domino, hosting more than 33 million Lotus Notes seats around the world.

The latest breakthroughs of the ProLiant ML530 G2 server will dramatically boost the performance of your Domino R5 messaging environment to serve an ever-greater number of users – with the affordability of a 2-way server. Plus, you gain the availability, scalability, and ease of management you need to extend your investments cost-effectively into the future.



benefits

- **Record-setting performance** – A highly balanced system design that leverages the Intel™ revolutionary Hyper-Threading Technology enables enormous performance improvements over traditional 2-way servers
- **Innovative availability features** – The first 2-way server with Mirrored Memory, innovative memory features maximize availability without service intervention
- **Market leading internal expansion** – More internal expansion than any other 2-way server on the market means plenty of room for cost-effective growth
- **Ease of management** – Industry-leading management and serviceability features ease network management and server deployment
- **Best practices** – Documented best practices reduce risk and accelerate return on your investment
- **World-class HP support** – Global support and single point of accountability ensure business continuance around the world, around the clock



taking 2-way servers to a whole new level

The ProLiant ML530 G2 server is the ideal platform for critical mail and messaging environments, delivering the performance of a 4-way server at the price of a 2-way. It blasts through all preconceived notions of what you can get out of a dual-CPU system, featuring highly optimized system resources that will stand up to intense business demands. The combination of processor, memory, and I/O subsystems results in a server with outstanding price/performance-providing enough headroom to preserve your investments as your needs grow. And its innovative availability features ensure the uptime your business requires. It's the ideal way to maximize application performance and user productivity.

leveraging Intel hyper-threading technology

HP engineers have optimized the architecture of the ProLiant ML530 G2 server to take full advantage of Intel's Hyper-Threading Technology—a revolutionary chip design that enables one physical processor to function as two logical processors. Each logical processor can execute different tasks simultaneously using shared hardware resources, which greatly increases the performance potential of the whole system.

HP further augments the performance of the ProLiant ML530 G2 server with a highly balanced system architecture that features Double Data Rate memory for higher bandwidth and a large, high-speed data bus for increased throughput. The result—enormous increases in performance as evidenced by the HP record-setting NotesBench benchmarks.

adapting gracefully to changing needs

The ProLiant ML530 G2 server is engineered from top to bottom to deliver the highest levels of performance, availability, scalability, and manageability in a cost-effective 2-way system.

For example, this breakthrough server is the first 2-way system to incorporate Mirrored Memory, a complete memory redundancy option that greatly reduces server downtime to meet your demanding availability requirements. The ProLiant ML530 G2 server also gives you the flexibility you need to adapt to changing needs. With more internal expansion than any other 2-way server on the market, you have plenty of room to add capacity, diversify applications, or expand capabilities as needed. And because it is based on the HP Adaptive Infrastructure strategy (compaq.com/ai), the ProLiant ML530 G2 server is part of a standards-based framework that continues to mold to your precise business requirements as they evolve.

HP also keeps your total cost of ownership down with a full suite of tools that support Adaptive Infrastructure and conserve valuable IT resources, including tools for rapid deployment, monitoring, and operation of servers and clients. In addition, optional CarePak services from HP Services are available to provide an extra level of support beyond standard warranty coverage, including 24 x 7 technical support, high-availability services, and proactive remote services that alert you to potential problems before they affect customers.

The ProLiant ML530 G2 server – it sets the standard for performance and adaptability to support your enterprise mail and messaging needs.

for more information

For more information on the Lotus Domino and ProLiant ML530 G2 server benchmark, please visit our website at hp.com/solutions/lotus/ml530.

Complete configuration data and test results for the Lotus Domino R5 benchmark are available online at notesbench.org.

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