

Improving your business with unified messaging and collaboration

Using HP StorageWorks EVA4400 with HP ProLiant servers and Microsoft Exchange Server 2007

HP StorageWorks Solution Block



Effective and reliable communications are strategic to businesses today.

Effective and reliable communications are strategic to businesses today. You can feel confident building on HP ProLiant servers—the 32- and 64-bit development platforms for Microsoft Windows® Server 2008.

For added value, the HP BladeSystem solution consolidates datacenter resources—compute, network, power and cooling—into a bladed enclosure. Combining the HP StorageWorks 4400 Enterprise Virtual Array (EVA4400) with the HP BladeSystem results in a single rack datacenter and unified messaging solution that streamlines resources and delivers cost and power savings.

With a virtualized architecture and easy-to-use management, the EVA4400 array is based on the proven EVA4100/6100/8100 which offers 99.999 percent availability for planned uptime¹ with change readiness, energy savings and time efficiency, providing up to 5 times the management efficiency of EMC and NetApp².

What does this mean to you? This HP server and storage solution results in real savings on operating expenses for your business. In addition, HP Systems Insight Manager provides a unified server/storage view that can be managed locally or remotely as one system.

You can use one of the HP StorageWorks EVA starter kits which make it easy to order and deploy—including a special HP EVA4400 Starter Kit for HP BladeSystem. These kits offer a significant savings over purchasing the components separately.

Microsoft Exchange Server 2007—an integrated messaging solution that takes communication and collaboration to all-new levels—continues the savings by supporting a wide variety of devices (including

mobile units) for virtually anywhere, anytime access. This means increasing your employees' productivity and improving your profitability.

Efficient, affordable and reliable communications are strategic to businesses today. A unified messaging solution, built with an HP StorageWorks EVA4400 with HP ProLiant servers and Microsoft® Exchange Server 2007 enables your employees to effectively share information across your organization, with customers, suppliers and partners.

As a midsize business, you need enterprise class storage, but may not believe you can afford it; you need your data to be available 24x7; and you need storage that is easy to install, manage and integrate with your servers. The EVA4400 provides the ideal storage solution to meet all of these needs.

For businesses that need a proven platform for Microsoft Exchange Server, the HP ProLiant server family constitutes the broadest and most rigorously tested and certified 32- and 64-bit industry standard servers. To support your Microsoft Exchange Server deployment, HP ProLiant servers are available to you from entry-level, mid-range and high-end rack and tower servers, to all-in-one HP BladeSystems.

Versatile and cost-effective

Place the HP StorageWorks EVA4400 storage and HP ProLiant servers at the core of your unified messaging solution. The EVA4400 is a highly reliable, powerful, easy to use, modular array design that can scale from 8 to 96 disks, with a variety of disk sizes, to meet a broad range of storage requirements. The EVA4400 makes the most of your storage, delivering excellent storage utilization.

¹ HP internal monitoring of customers' downtime

² The Edison TCO White Paper: EMC, NetApp, and HP Midrange Storage Arrays

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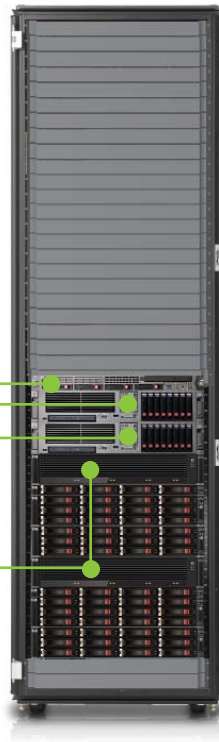
- HP StorageWorks 4400 Enterprise Virtual Array – enterprise class availability at an affordable price in capacities scaling from 1.1TB to 96.0TB to meet a wide range of customer needs
- HP ProLiant DL and ML servers – mid-range to high end desk side, rack mounted servers
- HP BladeSystem – c3000 or c7000 enclosure offering 8-slots or 16-slots for choice and flexibility
- EVA Software portfolio – HP StorageWorks Dynamic Capacity Management, Command View, Business Copy and Continuous Access EVA software—to improve manageability, efficiency and availability

Microsoft Exchange Client Access Server (CAS) server
HP ProLiant DL365 Server with 1 processor

Hub transport server
HP ProLiant DL385 G2 Server with 1 processor

Mailbox server
HP ProLiant DL385 G2 Server with 1 processor

2 x HP StorageWorks EVA4400 2C2D
with 16 x 300GB 15K disks



HP StorageWorks EVA4400s with HP ProLiant DL servers and Microsoft Exchange Server 2007, 2000 user, local continuous replication (LCR) configuration

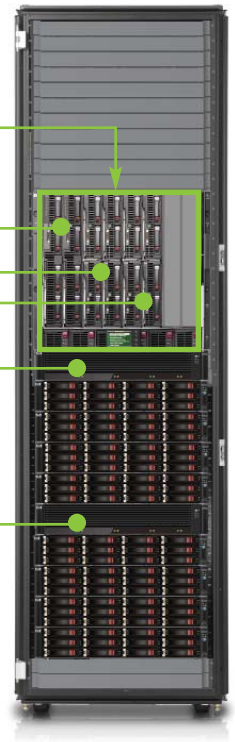
HP BladeSystem c7000 enclosure

Hub transport servers
2 x HP ProLiant BL480c Server Blades

Mailbox servers
6 x HP ProLiant BL460c Server Blades

Microsoft Exchange CAS servers
2 x HP ProLiant BL480c Server Blades

2 x HP StorageWorks EVA4400 2C4D
with 38 x 300GB 15K disks



HP StorageWorks EVA4400s with HP BladeSystem c7000 enclosure, HP ProLiant BL460c and BL480c Server Blades and Microsoft Exchange Server 2007, 10000 user, cluster continuous replication (CCR) configuration

Capitalizing on change

Today, business solutions are expected to be ready for change—and to remain so in spite of fluctuating budgets and schedules. This is where HP StorageWorks EVA4400, HP BladeSystem and Microsoft Exchange Server stand out. HP Virtual Connect modules allow server blades to be added, swapped or moved without impacting storage area network (SAN) operations or boot disk relationships with the EVA4400. For small configurations, the HP ProLiant rack server may be the better server choice.

With the combined advantages of the EVA4400, HP ProLiant servers and Microsoft Exchange Server, a simple, affordable and reliable solution that meets your business needs is only a step away. The HP EVA Virtual Architecture delivers enterprise class availability at an affordable price and makes the system easy to configure, provision and expand. This is the solution you need to enhance communications in the only business that really matters—yours.

The bottom line is value

You're working hard to improve your organization's performance. Today, Microsoft Exchange 2007 users choose HP storage and servers as their platforms of choice because of their enhanced flexibility and ability to meet changing demands. Those organizations understand the value of an IT solution that provides consolidated e-mail and messaging capabilities with virtually anytime, anywhere access. You can too, when you choose the HP StorageWorks EVA4400, HP ProLiant Servers and Microsoft Exchange.

Your next step

Take the next step toward realizing your objectives. Call your local authorized HP and Microsoft reseller today. These HP and Microsoft experts can help you get a simple, affordable and reliable unified messaging solution.

For more information, visit www.hp.com/go/EVA4400 or www.hp.com/go/StorageWorks

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