

Proven reliability with powerful simplicity

Using HP StorageWorks EVA4400 with HP BladeSystem and Oracle E-Business Suite

HP StorageWorks Solution Block



Sailing to success with a global, easy-to-use business application system

In world class sailboat racing, there is no room for error. During the 2007 America's Cup, two of its seven races were decided by less than a second. Only the combination of the newest technology and total integration of skipper, boat and crew can achieve winning results.

The key to victory is always top performance with total concentration on the business at hand every second of the way. Skipping today's business is no less demanding. The competition is never far behind. Decisions must be made quickly, and right the first time. Today, HP and Oracle® give you the control of your organization you need to get the results you expect.

Proven reliability with powerful simplicity

At the core of your Oracle E-Business solution is an HP StorageWorks 4400 Enterprise Virtual Array (EVA4400) storage system running with the HP BladeSystem platform. The powerful, yet simplified virtualized environment of the EVA4400 array is based on the proven EVA4100/6100/8100 architecture which offers 99.999 percent¹ availability for planned uptime.

According to a recent study, HP StorageWorks EVA technology needed only 62 percent of the raw capacity required of competing NetApp FAS-technology storage to handle the same workload.² This can pay off in major savings in your storage investments and power, cooling and floor space costs. The EVA4400 also offers local and remote data replication for enhanced business continuity and availability solutions.

The HP BladeSystem c3000 and c7000 enclosures offer 8-slots or 16-slots for choice, flexibility and expansion—providing plenty of space for consolidation of the Oracle E-Business Suite and related business applications onto a single server platform.

The modular HP BladeSystem design also integrates management, security, virtualization and provisioning to simplify day-to-day operations. Through its virtualized architecture, the EVA4400 can cut storage management time dramatically, offering up to 5 times the management efficiency of EMC and NetApp arrays.³ These benefits give you a server and storage combination delivering excellent change readiness and time efficiency in Oracle E-Business Suite environments.

Running on an EVA4400 and HP BladeSystem, the Oracle E-Business Suite offers a comprehensive, industry-focused suite of business applications based on a single data repository. With Oracle E-Business Suite, you can get a better view of customers, products and services, and help users from the executives to the shipping docks make smarter, fact-based decisions from the same up-to-date information.

Charting your course

Business is more about change today than ever before. The call for more compute and storage resources, or new functionality, can come without notice—and usually without regard for budgets or schedules. Sea changes are a way of life. And the winners of tomorrow's races must make sure they put together the right business application solution today.

If you're transitioning to Oracle Database 10g or 11g, for example, there may be additional business applications that you'd like to add later. You want to make sure you're not gated by a complex environment.

¹ HP internal monitoring of customers' EVA downtime

² "Enterprise Storage Solutions for Database applications: A Total Cost Comparison," Alinean, October 2007

³ "The Edison Group TCO White Paper: EMC, NetApp, and HP Midrange Storage Arrays" (comparison of EVA, Clariion CX-series, and NetApp's FAS arrays)

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- HP StorageWorks 4400 Enterprise Virtual Array – enterprise class availability at an affordable price in capacities scaling from 8 to 96 fibre channel disk drives
- HP BladeSystem – c3000 or c7000 enclosure offering 8-slots or 16-slots for choice and flexibility
- HP Dynamic Capacity Management Software – automates storage provisioning and improves capacity utilization
- HP StorageWorks Command View EVA software – to manage the EVA4400
- HP Storage Works Business Copy and Continuous Access EVA replication software – local and remote replication for business continuity and availability applications
- HP Data Protector Software – automates high-performance backup and recovery from disk or tape

Server Blade Performance

HP ProLiant BL460c Server Blade has up to two dual or quad core Intel® Xeon™ processors with up to 32GB RAM

Dedicated storage

Local storage area network (SAN) storage with HP StorageWorks EVA4400

Test/development server

HP ProLiant BL460c Server Blade with 1 dual core processor and 12GB RAM (Microsoft® Windows® or Linux operating system (OS))

Business continuity

HP Ultrium 448c Tape Blade

Batch server

HP ProLiant BL460c Server Blade with 2 dual core processors and 4GB RAM (Microsoft Windows or Linux OS)



Database server

HP ProLiant BL460c Server Blade with 2 quad core processors and 16GB RAM (Microsoft Windows or Linux OS)
• Oracle Database 10g

Oracle application server and batch server

HP ProLiant BL460c Server Blade with 2 dual core processors and 12GB RAM (Microsoft Windows or Linux OS)

Growth space for:

- Consolidation of other applications
- Additional Oracle E-Business application or batch servers

HP-approved configuration for HP StorageWorks EVA4400 with HP BladeSystem and Oracle E-Business Suite for approximately 200 concurrent users

Bill of materials

- 1 x HP StorageWorks EVA4400
- 1 x HP BladeSystem c7000 enclosure
- 4 x HP ProLiant BL460c Server Blades
- 1 x HP Ultrium 448c Tape Blade

The modular flexibility of the HP StorageWorks EVA4400 and HP BladeSystem enables you to upsize your system—easily and affordably—when you need to. The ability to adapt to changing circumstances without warning is key. The EVA4400 and HP BladeSystem platform supports multiple operating systems giving you the flexibility to use all the resources your have at hand.

While upgrading your central business applications may seem complicated, the integrated HP BladeSystem and EVA4400 platform has been fully tested with Oracle, giving you the confidence that there will be no compatibility issues. Plus, the EVA4400 is a storage system that is easy to set up, easy to configure, easy to manage and easy to repair—easing the challenges of transition.

Technology for better business outcomes

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To learn more, visit www.hp.com/go/EVA4400,
www.hp.com/go/StorageWorks or www.hp.com/go/oracle

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The bottom line

In a race where every second counts, uptime and system performance are important. Today, HP is one of the top platforms selected by Oracle E-Business Suite users. Leading organizations understand the value of complete, affordable business technologies that make outstanding use of information to manage end-to-end business processes.

The next step

The wind is at your back and you are into the stretch—now is the time to move ahead of the competition. In the EVA4400 you get enterprise class availability, top performance, local and remote replication capability, change readiness and simplified configuration in a system that is easy and inexpensive to manage, too. The Oracle E-Business Suite, running on the EVA4400 and HP BladeSystem, is ready and reliable. To learn more about the HP StorageWorks EVA4400, HP BladeSystem and Oracle E-Business Suite solution visit the EVA4400 website at www.hp.com/go/EVA4400 or call your local HP representative today.

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