

Oracle® 10g Real Application Clusters on HP BladeSystem

A dynamic, scalable infrastructure solution from HP, Red Hat®, Oracle, AMD, and Möbius Partners



Think of it as a crystal ball with handlebars—it helps you see what's coming and gives you the control to adapt to the unpredictable and ever-changing world of IT.

Change is normal, especially in the IT world—but the pace and extent of that change is difficult to predict. Yet, somehow, IT managers are expected to handle datacenter changes, on a moment's notice, without impacting service levels—or breaking the budget. Preparing for this feat will take either a new vision for datacenter infrastructure or a crystal ball.

Freedom and Confidence to Unlock Value

HP BladeSystem, Red Hat Enterprise Linux®, and Oracle Database 10g with Real Application Clusters (RAC) deliver on the vision of a change-ready, cost-savvy datacenter—one in which IT managers have the freedom and the confidence to transform datacenter resources into competitive advantages.

HP BladeSystem begins by integrating the essential elements of the datacenter—compute, storage, network, power, and management—into a modular, self-optimizing unit. These modules are virtualized to pool and share all resources and connections thereby maximizing utilization, minimizing costs, and ensuring the flexibility and control to quickly and easily meet changing business requirements.

Red Hat Enterprise Linux extends the BladeSystem advantage with the full value of open source—a stable, mature platform with exceptional performance and scalability for both 32 and 64-bit workloads—all backed by comprehensive around-the-clock technical support from Red Hat and HP.

Completing the datacenter vision, Oracle RAC allows Oracle Database to run any packaged or custom application across a cluster of HP BladeSystem servers, providing unrivaled performance, scalability, and flexibility. When business requirements change, just add (or remove) a BladeSystem server and Oracle RAC dynamically distributes the workload across the infrastructure to maintain optimal performance.

And speaking of performance, Oracle RAC on Red Hat Enterprise Linux and AMD Opteron™-equipped HP BladeSystem recently set a world-record TPC-H benchmark¹ demonstrating that this combination has no rival for critical database performance.

Implement with Confidence

Möbius Partners is the #1 large enterprise HP reseller in Texas and can boast of extensive experience in the design and implementation of high-availability solutions using best-in-class products from HP, Oracle, Red Hat and AMD.

From idea conception to datacenter execution, Möbius Partners offers unmatched service and support for enterprises of all sizes. To learn how Möbius Partners can turn the latest technologies from HP, Oracle, Red Hat, and AMD into a solution to meet your critical business needs, contact Total Solution Expert, Jaime Savana at 469.374.7666 or JaimeS@mobiustpartners.com

www.mobiustpartners.com

¹ TPC: Results valid as of June 6, 2006 in the TPC-H 3000GB clustered performance category. Complete results can be found at www.tpc.org.

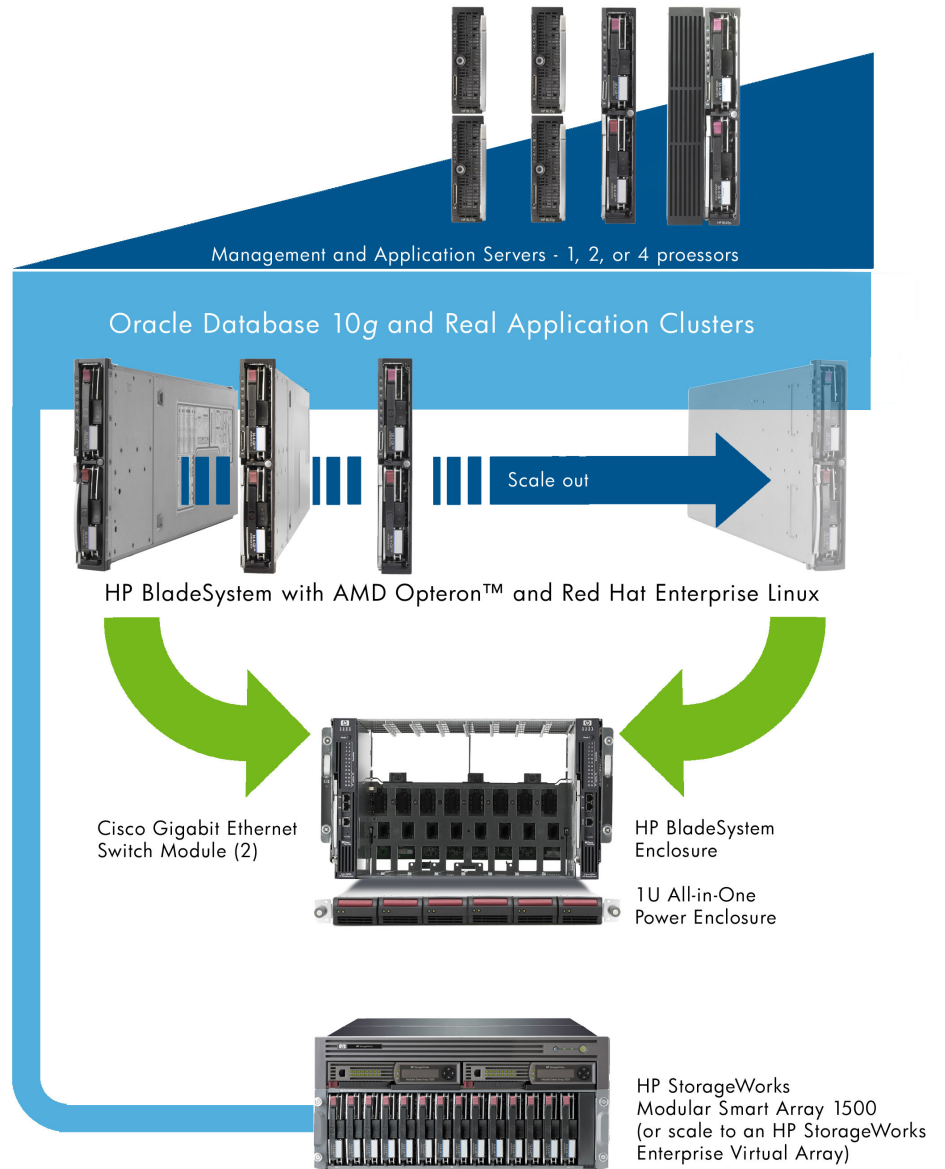
Architectural and functional view

Oracle RAC on HP BladeSystem offers a forward-looking high-availability infrastructure that delivers redundancy along with outstanding performance and scalability. Plus, the modular approach taken by HP and Oracle means resource utilization and flexibility are enhanced while management tasks are minimized. Together, Oracle, Red Hat, and HP deliver a change-ready, cost-savvy solution that prepares any IT environment for meeting ever-changing business requirements.

Typical Solution Components and Services

The following is a summary of the products and services typically purchased with this solution. For detailed information or to tailor your own solution, contact Total Solution Expert, Jaime Savana at 469.374.7666

Infrastructure	
1	HP BLp enhanced enclosure
2	Cisco 2 C-SFP BLp Ethernet Switch
2	Brocade 4Gb SAN switch
1	HP BLp 1U Power Enclosure (with 6 power supplies)
Database Server Nodes	
3	HP BladeSystem BL25p (2 x AMD Opteron™ processors, 4GB RAM, 2 x HP 36GB 15K U320 HDD, Emulex-based Fibre Channel Mezzanine Card)
n	Oracle Database 10g and RAC licenses
1	Red Hat Enterprise Linux and Management Bundle for HP BladeSystem™ (eight instances of RHEL 4, eight instances of Management & Provisioning Modules, and RHN Proxy Server software)
Management and Application Server Nodes	
3	HP BladeSystem BL25p (2 x AMD Opteron™ processors, 4GB RAM, 2 x HP 72GB 15K U320 HDD)
Storage	
1	HP StorageWorks 1500cs Modular Smart Array (with one HP StorageWorks MSA30 SCSI enclosure at 14 x 72.8 GB Pluggable U320 15K HDD)
Services	
1	Möbius Design and Implementation Service



Möbius Partners specializes in recommending, designing, implementing and managing their customers' entire IT infrastructure needs. To learn more about how Oracle and HP solutions can be tailored to your specific business requirements please contact Total Solution Expert, Jaime Savana at 469.374.7666 or JaimeS@mobiustpartners.com

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