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Low-cost solutions, high-end functionality

HP ProLiant DL380 G3 Packaged Cluster with Modular
Smart Array 500 for Oracle® Real Application Clusters

ORACLE®





HP ProLiant DL380 G3 Packaged Cluster
with Modular Smart Array 500



Industry-standard components and high availability

In today's fast-changing business world, companies need highly available, failure-resistant computing environments that scale seamlessly in response to demand. Long-time solution partners HP and Oracle offer a powerful, cost-effective way to meet this need—the HP Parallel Database Cluster (PDC) platform running Oracle Real Application Clusters software:

HP Parallel Database Cluster

- Flexible hardware/software architecture designed for availability and optimized to leverage database clusters performance
- PDC Cluster Kit includes detailed documentation, installation, and configuration scripts that dramatically simplify start-up and test tools to verify cluster configuration
- Tested and proven in HP and Oracle labs and customer production environments around the globe
- Reliable and repeatable implementation processes, tools, and management infrastructure
- Backed by HP experts who define, test, and document the Parallel Database Cluster

Oracle Real Application Clusters:

- Highest availability parallel processing shared storage design maximizes hardware investment—no standby components
- Seamless scale-out performance from 2 to 16 nodes— one architecture that scales from mid range to enterprise computing
- Incremental expansion based on small (two-processor) compute nodes helps to align IT investment with business needs
- Cost-effective industry-standard components— Intel® Xeon™ or Itanium®-based servers with external SCSI or Fiber Channel storage

“As a small-to-medium business and independent software vendor, we need to rely on one partner to guide us through and move us forward. We favored HP as a partner as much for the great response and support from HP Services as for its HP ProLiant cluster solution.”

Rick DeFehr, Chief Technology Officer,
Famous Software



HP makes it easy to be a cluster expert

A recent addition to the HP PDC family, the HP ProLiant DL380 G3 Packaged Cluster with the Modular Smart Array (MSA) 500 is an affordable, entry-level option for Oracle Real Application Clusters running on either Microsoft® Windows® or Red Hat Linux®.

The HP ProLiant DL380 G3 Packaged Cluster with MSA500 is easy to order and install. This pre-integrated, one-SKU product arrives at your site in a single box containing everything you need to get up and running quickly—servers, storage enclosure, color-coded cabling, and HP SmartStart software. You and your staff will find that this solution is as intuitive to set up as a home PC. Combine the packaged cluster with the HP Parallel Database Cluster Kit to simplify and accelerate Oracle Real Application Clusters installation and highly available and scalable clustering technology are yours to exploit.

A flexible, upgradable solution

This HP packaged cluster features technology that provides smaller businesses with superior reliability and a lower total cost of ownership. In one package, you receive the benefits of a well-thought-out storage solution with clustered HP ProLiant servers:

- **Easy to purchase and deploy**—The Packaged Cluster is bundled as a single-part-number product delivered in a single carton.
- **Space-efficient form factor**—The HP ProLiant DL380 high-density 2U server form factor offers a high degree of space efficiency whether it is in a wiring closet, on a desk, or rack-mounted in a data center.

Famous Software grows a bumper crop of customers with HP

To meet its goal of doubling revenue by 2006, Famous Software, an independent software vendor (ISV) and leading provider of agricultural software, needed to develop solutions for customers who required greater scalability and availability than provided by prior platform offerings. At the same time, the company did not want to invest the time and effort required to design, test, and implement a new solution set.

Turning to HP, Famous Software joined the HP Developer & Solution Partner Program (DSPP). HP Services provided training for the company's IT staff, then deployed a fully configured HP ProLiant database cluster at its site. Not only did this solution assist Famous Software in its development efforts, but it also allowed the company to provide its fastest-growing customers with the right integrated hardware, OS, and support platform. The results? Famous Software handily positioned itself to grow its revenue and to tackle new markets with a growing list of customer testimonials.

- **Great price/performance**—Two ProLiant DL380 servers, each with two Intel Xeon processors and extended cache, provide fast, powerful processing at a great price.
- **Business-critical computing power**—Up to 6 GB of two-way interleaved 200 MHz DDR SDRAM with online spare memory and advanced error checking and correcting (ECC) capabilities deliver the memory necessary for business-critical database computing.
- **Significant operational savings**—MSA500 storage supports single- and multiple-path two-node Oracle Real Application Clusters and up to 2 TB of shared storage space for significant operational savings over traditional direct-attached storage.
- **Data protection and rapid recovery**—Pre-failure warranty support and Advanced Data Guarding provide both robust data protection and rapid recovery from disasters and unplanned downtime.
- **Investment protection**—The DL380 G3 Packaged Cluster with MSA500 is designed to grow with your business by providing an easy migration path to an MSA1000 Fibre Channel storage area network (SAN). Simply upgrade the array controller and add a Fibre Channel switch, and your new environment is ready to expand to eight nodes and beyond.
- **Mission-critical support services**—Flexible proactive and reactive support offerings meet the most demanding business requirements.

Migration and other support options

Though your HP ProLiant DL380 clustered solution can be delivering enterprise-class performance in a matter of hours, you may find that your particular situation can benefit from the attention and expertise of HP Services consultants. For example, if you are migrating to the Linux operating system, HP Services can ease your transition from a proprietary platform such as Sun Solaris and provide the appropriate knowledge transfer to your IT staff. HP Services can also provide system-wide availability assessments and implementation services for not only the PDC but any of the infrastructure issues you may face, including backup and recovery, load balancing, database migration, and others.

Why wait?

If your organization has been concerned about supporting business growth with your current infrastructure and applications, or if it has been constrained by an expensive proprietary solution, relief is at hand. The HP ProLiant DL380 Packaged Cluster running Oracle Real Application Clusters is the cost-effective, industry-standards-based way for smaller businesses to leverage the power of Oracle database applications and respond to the ever-changing demands of the marketplace.

For more information

For more information about how the HP Parallel Database Cluster program can help you create a more adaptive enterprise, visit HP at www.hp.com/solutions/highavailability/Oracle or e-mail RAC_Contact@HP.com.

HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage, and ultimately retire your HP solutions. For more information on these services, please contact your HP sales representative or find us on the Web at: www.hp.com/go/hpfinancialservices

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