

# Oracle Database 11g

## With the Pillar Axiom® Storage System



### Benefits

- Control and reduce data center management costs
- Improve return on investment of IT assets
- Eliminate islands of computing resources
- Leverage grid computing to manage data growth effectively

Oracle Database 11g Real Application Cluster (RAC) is a clustered database with a shared cache architecture (Cache Fusion) that provides highly scalable and available database solutions for business applications. Oracle and Pillar Data Systems® collaborated to provide the flexibility to dynamically control data storage according to business priority, using Pillar AxiomONE® Dynamic Performance with Oracle Database 11g Automated Storage Management (ASM).

Oracle's ASM provides administrators with a simple database storage management interface that aligns with Pillar Axiom® Application-Aware Storage™ technology. When database storage is configured with Oracle ASM and Pillar architecture, Dynamic Performance technology protects the performance of mission-critical production databases while sharing pooled storage resources with non-production databases.

### Oracle Database 11g Grid with Real Application Clusters

Oracle Database 11g RAC with grid infrastructure provides the framework for improved data access that can create a competitive edge, improve the financial performance of the enterprise, and improve customer

access to online systems. The Pillar application-aware Axiom storage system from Pillar Data Systems is an ideal storage solution for Oracle Grid Computing environments based on Oracle Database 10g or 11g RAC software, delivering an optimized combination of performance, reliability, and value. With Oracle Database 11g and Pillar Axiom, IT staff can pool servers and storage into a flexible, on-demand computing resource for all enterprise computing needs.

### Oracle Validated Configurations with Linux

Oracle Validated Configurations provide easier, faster, and lower-cost deployment of solutions in the enterprise. Oracle Validated Configurations are pre-tested, validated architecture configurations – including software, hardware, storage, and network components – along with documented best practices for each configuration. The result is improved performance, scalability, and reliability of Linux solutions, with faster, lower-cost implementations. Based on the rigorous testing procedures of the Oracle Unbreakable Linux program, Oracle and Pillar assure that these configurations will run well and reduce testing efforts, ultimately enabling faster deployment of Oracle with the Pillar Axiom solution. As a result, customers experience the benefits of standardization, scalability, and reliability without the cost and delays of testing or the risk of untested configurations.

## Automatic Storage Management

Oracle ASM is a vertical integration of both the file system and the volume manager built specifically for Oracle database storage. It extends the concept of SAME (Stripe and Mirror Everything) to optimize performance while removing the need for manual I/O tuning. Pillar utilizes a similar approach to reducing cost through use of standardized, low-cost, high-performance storage components. The shared storage pool provided by Pillar Axiom storage works in concert with Oracle ASM to help enterprises increase their business agility while lowering their acquisition and management costs.

DBAs can monitor storage and database functions from within the Oracle Enterprise Manager (OEM) Grid Control console using the Pillar OEM Plug-in. A joint technology project with Pillar and Oracle's Enterprise Development team, the Pillar OEM Plug-in allows the DBA to use a single interface to monitor more of the system, taking less time and fewer steps, resulting in higher productivity.

## Storage Provisioning with Oracle Enterprise Manager Grid Control

The unique approach to AxiomONE Dynamic Performance provisioning built in to the Pillar Axiom provides IT staff with flexibility to decide how to use storage assets most efficiently. Dynamic Performance eliminates the need for storage silos dedicated to production and secondary storage applications. As the business priority of data changes, a LUN or a file can be migrated from one Dynamic Performance level to another without disruption.

Real-time, policy-based I/O handling capability differentiates the Pillar Axiom from any other storage platform available today. Its ability to seamlessly pool multiple tiers of storage resources into a single system provides IT staff with true, pooled storage capability, maximizing the enterprise's investment in computing assets.

## For more information:

- **Visit** [www.oracle.com/features/hp/linux-validated-0606.html](http://www.oracle.com/features/hp/linux-validated-0606.html)
- **Visit** [www.pillardata.com/oracle](http://www.pillardata.com/oracle)
- **Call** 877.252.3706

