



## Performance-Scaling Solution for Oracle

Affordable, highly available, and scalable performance-on-demand database storage.

### Key Benefits

- Eliminate costly, time consuming provisioning with scalable and affordable performance-on-demand
- Graceful failure, ensuring users of demanding Oracle applications performance under fire
- Consolidates database infrastructure into one easily managed grid for greater efficiency
- Leverages existing IT infrastructure investments and training to reduce TCO
- Enhances system administrator productivity

### Key Features

- N-way performance scaling
- Active/active failover with load balancing
- Management of multiple databases within a single realm
- Storage provisioning and virtualization
- Complete data protection solution from disk failures to disaster recovery
- Asynchronous replication and point-in-time snapshots for data protection



### The Business Challenge

Best-in-class enterprises know that business applications depend on Oracle database(s) and that Oracle depends on high performance, reliable storage. Without a storage environment that can meet these demands, the promised ROI of high-performance data access via relational database management systems (RDBMS) will not be met. An e-commerce transaction that is delayed because the storage system performance is not adequate can mean the loss of a customer.

### *Storage Grid Delivers Scalability and Survivability*

RDBMS is the backbone of mission- and business-critical applications such as on-line transaction processing (OLTP) and data warehousing. Today, running an efficient Oracle database on enterprise-class storage requires a highly tuned configuration by specialized vendor technicians. Changes to database performance requirements result in expensive and time consuming reconfigurations. These demanding applications require the performance scalability and survivability that is only delivered by a storage grid.

### Intransa® and Oracle Provide the Solution

Intransa provides the perfect IP-based storage solution for Oracle on Windows® for high-performance, highly survivable enterprise requirements. Using the IntraStor® storage grid environment, enterprises can build affordable, highly available, and scalable performance-on-demand database storage infrastructures that meet ROI, based on high performance and survivability.

### *N-Way Performance Scaling for Database Architectures*

Database performance requirements can change in several ways – from adding users as a result of company growth or functional realignment to simply the need to store more data. All this means higher IOPs to achieve the same level of performance. And this is where the N-Way performance scalability feature (StorCluster) of the StorControl® management application really shines. Administrators do not have to upgrade the entire system to achieve the desired performance level or go through an extensive tuning exercise - all they have to do is add another affordable IntraStor storage controller.

### *Superior Survivability for Mission-Critical Environments*

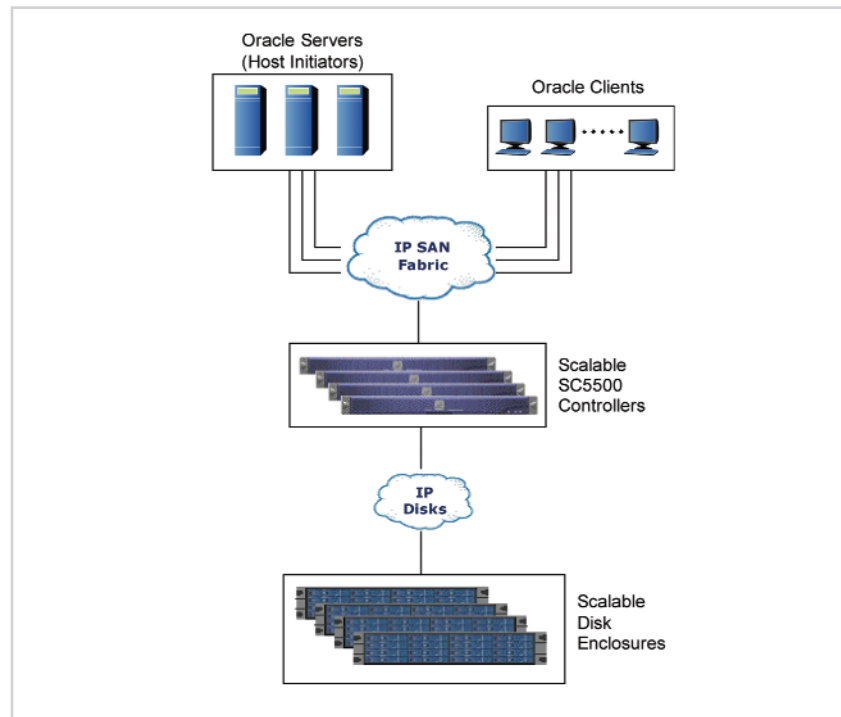
Data is the lifeblood of an organization and ensuring that it is available when needed is the business driver for IT administrators. As a result, all enterprise-class storage systems provide active/active failover. But is this good enough? Failure of a RAID controller may mean that the load of the active failover controller's performance is increased so that system response time is unbearably slow - all while other controllers in the system operate at less than 50 percent utilization. These demanding environments require a graceful failure provided by load balancing, a standard feature of Intransa's StorCluster high survivability software.

### *Consolidated Management of Multiple Databases*

For critical business information, a disaster recovery plan is required, but multiple databases make developing and implementing one nearly impossible. Many other factors, such as competition, regulatory requirements, improved response to customer requests, mergers, and acquisitions are key drivers for enterprises to consolidate multiple databases. A storage grid is the only effective solution for database consolidation, while maintaining the level of provisioning required to ensure appropriate performance and survivability. The IntraStor storage grid with built in features such as StorAR for asynchronous replication and StorSnap for point-in-time snapshot of a volume ensures that data is easily protected on the LAN and across the WAN to provide a complete disaster recovery solution.

“After a stringent evaluation exercise, we chose an IP-SAN solution from Intransa having found it to be the best from a storage management perspective, especially in backup management.”

- Aditya Menon  
Group CIO  
Mphasis



Highly Survivable IntraStor Storage Grid for Oracle

Intransa has tested and certified this solution as **Intransa® Ready**.

#### Oracle Products

Oracle Database on Windows 2000/2003

#### Intransa Products

IntraStor Platform  
StorControl  
StorCluster  
StorSnap  
StorAR

**ORACLE®** Oracle Corporate Headquarters  
500 Oracle Parkway  
Redwood Shores, CA 94065  
Phone (US): 1 800 ORACLE1

#### About Oracle

Oracle (NASDAQ: ORCL) is the world's largest enterprise software company. For more information about Oracle, please visit [www.oracle.com](http://www.oracle.com).



**Intransa, Inc.**  
2870 Zanker Road,  
Suite 200  
San Jose, CA 95134  
Phone: 866 466 8726  
Fax: 408 678 8800

#### About Intransa, Inc.

Intransa is an innovator of enterprise-class, intelligent IP storage solutions to form a storage grid that radically reduces the complexity of deploying scalable network storage. Based on advanced technology that leverages the cost and performance advantage of Ethernet and the ubiquity of IP networks, Intransa's products are enabling a new generation of information storage, delivery, and management over IP networks. By making network storage easy, dynamic, and intuitive, Intransa enables businesses to focus their resources, reduce costs, and achieve their business objectives. For more information, please visit [www.intransa.com](http://www.intransa.com).