

Enterprise-Class Network Attached Storage (NAS)

All the advantages of a storage grid – performance and capacity scaling, consolidated backups, and improved flexibility.

Key Benefits

- Affordable storage solution for enterprise-class data protection
- Improved reliability and high performance
- Easy to manage
- Proven integration into existing IT infrastructures
- Pay-as-you-grow scalability with lower entry costs
- Consolidation of multiple servers reduces TCO

Key Features

- Active/active failover with load balancing
- N-Way performance scaling
- Open standards-based technology, CIFS, NFS, and iSCSI
- Storage consolidation
- Integrated VSS support



The Business Challenge

Windows®-based file sharing, databases, and messaging applications are standard tools employed by most enterprises. To improve reliability and performance of these applications, businesses are deploying Network Attached Storage (NAS) to consolidate the storage and the servers, as well as to simplify the administration of data centers. Unfortunately, today's NAS solutions have become expensive and complex propositions that do not easily adapt to the quick response requirements of a modern global enterprise.

Scale and Adapt as Needed

To solve this problem, enterprises are now able to deploy a storage grid solution that can scale and adapt as needed in performance, capacity, and survivability – while maintaining an easy-to-use management environment. It is also important to ensure that Windows clients have easy access to the data. A NAS device running Windows® Server 2003 can be quickly integrated as a NAS gateway into a storage grid network. This configuration brings to NAS devices all the advantages of an IP SAN storage grid, including N-Way performance scaling, on-demand capacity scaling, consolidated backups for disaster recovery, and improved flexibility.

Intrinsa® and Microsoft® Windows Server 2003 Solution

Combined with Windows Server 2003, Intrinsa's IntraStor® platform provides networked storage solutions for small, mid, and enterprise-sized organizations. Devices built on Windows Server 2003 can range in storage capacity from hundreds of GBs to several terabytes. Because Windows Server 2003 is designed to support both clustering and fully redundant hardware components, a highly survivable environment can be built.

Highly Scalable and Survivable Storage

Intrinsa's StorControl®, the IntraStor open standards-based management application, enables enterprises to leverage their existing Ethernet-based infrastructure to support highly scalable, tiered storage networks. With its StorCluster feature, administrators can utilize active/active failover and load balancing features to provide a highly robust storage grid environment. This grid also provides N-Way scaling to make on-demand storage capacity and performance a reality.

Rapid Deployment and Easy-to-Use Management

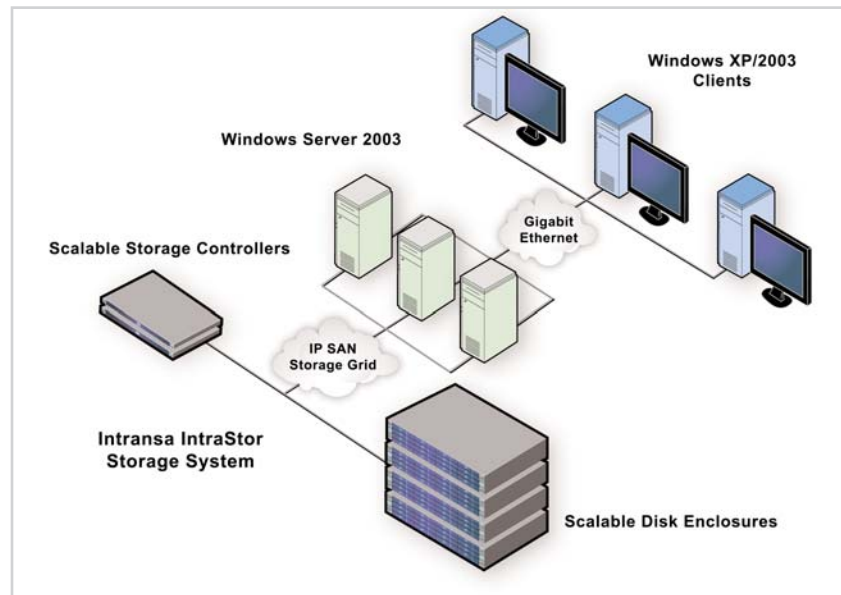
StorControl is designed to be up and running in under an hour and, if deployed with pre-racked bundles such as the Intrinsa IP 7500, the IntraStor platform literally only requires plugging in the network connections and the power cables. An intuitive Web-based user interface with simple step-by-step installation instructions helps to ensure that storage is correctly installed on an existing network within minutes. StorControl and Windows Server 2003 make an unbeatable platform for ease-of-management and installation.

Seamless Integration into Windows IT Infrastructure

Windows Server 2003 can be added to an organization's information technology (IT) infrastructure wherever additional storage is needed, without having to reconfigure the existing storage infrastructure or bring down the network. Through its support for a broad range of file serving protocols, Windows Server 2003 makes possible simple and effective file sharing across heterogeneous environments, including Windows, UNIX®, Novell®, and Macintosh® platforms. This means that users on different platforms can access the same files without additional interventions. In addition, Windows Server 2003 can work with current business investments. These include server management infrastructure, such as the distributed file system (DFS) and Active Directory® service; utilities, such as antivirus and backup software; and security capabilities, such as user authentication and file and data encryption.

“The Intransa IP7500 provides yet another reason for any enterprise to consider moving to iSCSI based storage. IP SANs can now provide the performance, reliability, and scalability that was previously only available from Fibre Channel solutions. The IP7500 is enterprise ready for a fraction of the cost of equivalent Fibre Channel offerings.”

- William Terrill
Senior Analyst
Burton Group



Independently Scalable NAS Solution Architecture

This combined solution has been tested and certified **Intransa® Proven**.

Microsoft Products

Windows Server 2003

Intransa Products

IntraStor Platform
StorControl
StorCluster



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About Microsoft

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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.