



Scalable Data Protection for Storage Networks

For scalable disk-to-disk data protection, Intransa works with solutions partners such as BakBone to provide a tested and certified solution.

Key Benefits

- Affordable storage solution for enterprise-class data protection
- Entire networks of clients can be managed at once saving time and money
- Flexibility to add, manage, or re-deploy data management components
- Easy to expand the system as requirements grow
- Minimal to no professional integration required
- Reduced training expenses and skill level requirements for operators

Key Features

- Management simplicity and modularity
- Highly scalable & survivable
- Disk mirroring with active/active failover and load balancing
- N-Way performance scaling
- Event notification tools with administrator-defined triggers
- Powerful automation capabilities



The Business Challenge

It is well known that corporate data requirements are growing at a torrential 50 to 100 percent a year. As more and more decisions rely on that data, being able to manage and protect it becomes critical. Having a storage infrastructure that can protect data from a variety of potential data outage conditions is critical. A solution that protects only against disaster recovery and not against viruses or other human errors is no longer sufficient. A complete storage recovery solution is required.

The Solution

Industry best practice is to classify data and utilize a tiered storage recovery architecture as in the figure shown here. Four tiers exist according to the value of the data; primary data, recovery data, disk data, and tape data. The first tier provides for primary data storage (mission critical data). To protect tier one data, techniques such as data mirroring and active/active failover capabilities are implemented. Using replication techniques, data is also protected locally and remotely, providing hot-standby sites as required in the second tier. As data ages or becomes less important, it is moved to the third data tier. To handle situations such as viruses and human initiated data corruption the third tier provides disk-to-disk backup. Disk-to-disk backup is the process of creating a backup on disk (spinning) media as opposed to tape (linear) media. It serves multiple functions, from providing a staging area to tape archival storage to fast recovery of critical data. When data is no longer frequently used, the fourth tier provides long-lived access to old data, via tape.*

Intransa® and BakBone® Provide the Solution

For scalable disk-to-disk data protection, Intransa works with solutions partners such as BakBone to provide a tested and certified solution. By combining two solutions that value both management simplicity and modularity, storage administrators can create tiered storage recovery architectures that meet their individual needs.

Enterprise-Class Data Protection

The Intransa IntraStor® product family offers a highly scalable and survivable storage grid solution that can serve as storage for the first three recovery tiers - primary storage, recovery, and disk-data. For enterprise-class data survivability, disk mirroring with active/active failover and load balancing is standard. The StorControl® management application with features such as N-Way performance scaling (StorCluster), asynchronous replication (StorAR), and snapshot (StorSnap), provides an affordable storage solution for enterprise-class data protection.

Increased Automation

Using template-based policy management tools, entire networks of clients can be managed at once via BakBone's NetVault™ recovery solution and IntraStor to perform disk-to-disk and tape backups. Policies include user-level access controls that let database administrators define backup jobs and run reports, while limiting all other users to restoring only their client's files. Combined with event notification tools that have administrator-defined triggers, NetVault provides powerful automation capabilities.

Rapid Deployment and Modularity

NetVault's automated installation and device configuration features make it easy to add, manage, or re-deploy distributed data management components throughout an ever-growing enterprise storage environment. With NetVault's modular architecture, users can license only those components needed today, while easily expanding the system as the storage environment or performance requirements grow. All major platforms such as Windows®, NetWare®, AIX, HP-UX, Solaris™, Linux, SCO, and Mac OS® are supported.

“With the Intransa solution we are finally able to easily manage our growing storage resources and deliver high data availability across the enterprise network. And all this at significantly lower costs per megabyte of data stored.”

- VA Khargonkar,
Asst. General Manager,
IT, L&T, Hazira, Surat

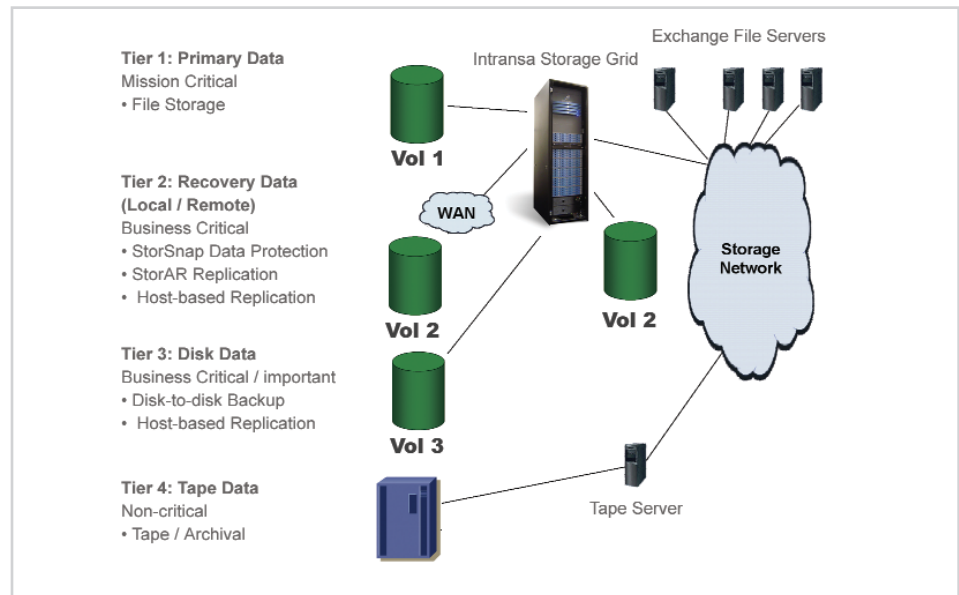


Figure 1. Tiered Storage Recovery Architecture

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

BakBone Products

NetVault

Intransa Products

IntraStor Platform
StorAR
StorSnap
StorCluster



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About BakBone Software®

BakBone Software (TSX: BKB; OTCBB: BKBOF) is a leading global data protection provider that develops and distributes data backup, restore, and disaster recovery software for network storage and open-systems environments worldwide. BakBone delivers scalable solutions that address the complex demands of large enterprise environments, as well as small- and medium-sized businesses. Founded in 2000, BakBone products are used by Fortune 1000 corporations and domestic and international government entities. Distributed through a select global network of OEM partners, resellers and solution providers, interested companies can find more information about BakBone's products and services at www.bakbone.com or email info@bakbone.com.



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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.