

Zero-Window, Zero-Impact Backup

Enhancing Data Protection and Minimizing Downtime with StoreAge SVM™
 Recommended Solution for Zero-Window, Zero-Impact Backup: StoreAge multiView™



THE CHALLENGE

- 1 Completing all required backups each day
- 2 Preventing backup operations from degrading application and LAN availability and performance
- 3 Reduce recovery times to minutes instead of hours or days, while ensuring complete data integrity
- 4 Enable quick roll-back of application data to previous points-in-time
- 5 Implementing disk-to-disk-to-tape backup strategies
- 6 Reducing backup software license cost
- 7 Use disaster recovery site (if present) for backups

THE SOLUTION

Use StoreAge multiView to create instant, read/write, disk-based, low capacity snapshots of production data. Snapshots can be used to backup data to disk or tape without impacting production servers. Use snapshots to perform rapid online restores to previous points-in-time. When StoreAge multiMirror™ is used for remote a-synchronous mirroring, use multiMirror snapshots for off-site backups.

THE BENEFITS

Adding snapshot-enabled backup and restore capabilities benefits an organization in multiple areas, including:

Business Impact

- Maximizes uptime, availability and performance of key business applications
- Improves business continuity by enabling rapid resumption of operations after unexpected events

Operational Impact

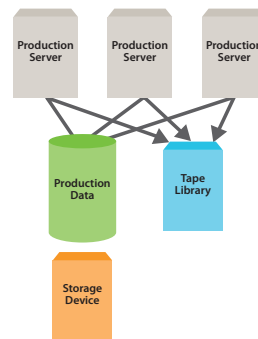
- Eliminates the “backup window” – backups can occur at any time while applications remain online
- Uses zero CPU cycles on production servers
- Uses zero LAN resources
- Enables full backups to be completed each day
- Allows rapid restores from disk, to previous points-in-time
- Integrates with existing backup software and scripts for fully automated backups
- Utilize disaster recovery site for off-site backups

Financial Impact

- Revenue generating applications remain online and fully available during backups
- Defers or eliminates the need to upgrade the backup infrastructure to accommodate data growth
- Reduces the licenses for backup clients

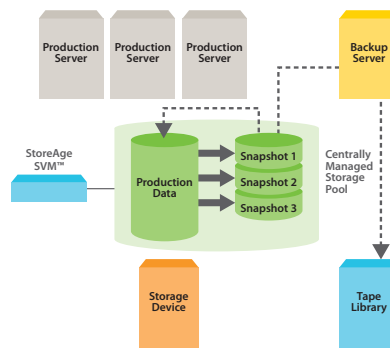
Snapshot-Enabled Backup and Restore

Traditional Backup and Restore in a SAN Environment



Backup of production data typically occurs at night while systems are offline or inactive. As data growth continues and 24x7 operations become more common, it becomes difficult to complete full backups each day. In the event of data loss, restoring data from tape can take hours or even days, and the integrity of the data on tape media can be unreliable.

Zero-Window Backup with StoreAge multiView



- Backups can occur at any time of the day, using instant, read/write, disk-based, low-capacity snapshots of production data
- Production systems remain online and fully available during backup. The solution uses zero CPU cycles on production servers and zero LAN resources
- Data restore from snapshots can be done within minutes
- Works in conjunction with a-synchronous multiMirror to enable backups in the disaster recovery site

For more information and sales office locations, please visit the LSI web sites at: Isi.com Isi.com/contacts

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