



AssuredSnap™

store, backup, restore

Store, Backup and Restore with AssuredSnap™

AssuredSnap™ is a component of the Assured Architecture, enabling OEMs and partners to solve many of today's data management challenges facing IT departments by building complete solutions for business continuance, disaster recovery and regulatory compliance. AssuredSnap provides the ability to create point-in-time copies or backups of disk volumes with instant restoration of data to any captured (snapshot) point in time. Since AssuredSnap only copies data that has changed, it can virtually eliminate backup windows.

AssuredSnap uses a method called Single Copy-on-Write (SCW) with Original/Write Data Preservation capabilities. Unlike other snapshot technologies, the AssuredSnap implementation is not only fast, but it also reduces the size of snapshots by storing only a single instance of changed blocks. Original/Write Data Preservation technology is unique in the market, allowing IT managers to snapshot and write to newly created snapshot volumes. This enables roll back to the original snapshot or the modified or updated snapshot. This re-roll-back capability is ideal for testing new software or prototyping new applications.

Advanced Data Protection Provides Instant Recovery

Is your data essential to your business's operations? Then it makes sense to protect that data on the storage array level with AssuredSnap™ and AssuredCopy™. AssuredSnap provides Dot Hill storage arrays with volume snapshot capability allowing point-in-time copies that can be used to maximize business continuity. AssuredCopy creates a full volume copy which protects against disk failures.

Dot Hill's 'set and forget' scheduler capability gives storage admin-

Easy Backup Solution

- Protect against accidental or malicious loss, data corruption
- Minimize data loss and improve RPO

Improved Data Recovery and Business Continuity

- Restore quickly to any point-in-time snapshot
- Improve restore time reduces downtime data unavailability
- Shorten Backup Windows - to minutes

Rapid Application Development Support

- Use snapshots of production data on a separate server to support rapid application development strategies.

Regulatory Compliance Support

- Implement as part of a compliance strategy



istrators peace of mind, knowing the storage system is automatically taking snapshots and volume copies. Make sure you have the backups that enable quick point-in-time recovery.

AssuredSnap - Providing a Foundation for Enterprise Business Continuity

The appropriate policies and procedures required to achieve optimum business continuity will be unique to each organization. Determining factors include the extent of real-time need for access to data and the business value of data over time from its initial point of creation. There are two fundamental aspects associated with business continuity planning: setting recovery point objectives (RPO) which determines the frequency with which snapshots of business critical data need to be taken for rollback to a known point in time, and the recovery time objective (RTO) which is the maximum time window available to complete restoration of business critical data in order to maintain expected transactional service levels. AssuredSnap plays a fundamental role in achieving both RPO and RTO for any business continuity implementation through the ability to create point-in-time copies or backups of disk volumes with instant restoration of data to any captured point in time.



OPERATING SYSTEM SUPPORT

Windows Server 2003, 2008
SPARC Solaris 9, 10
Red Hat ES 4.0, 5.0 and AS 4.0
SuSe ES 9.0

SOFTWARE AND MODULE SUPPORT

Microsoft VSS, VDS Support

FEATURES

2002 Series -Max # of Snapshots per system	256
3000 Series -Max # of Snapshots per system	1000
3003 Series -Max # of Snapshots per system	1000
5000 Series -Max # of Snapshots per system	512
Max Snapshot Snap Pool Size	4 Petabytes
Max # of Snapshots per Master Volume/LUN	32
Rollback to original or modified data	Yes
Delete Modified Data and Refresh Snapshot	Yes
Snap Volume Read	Yes
Snap Volume Write	Yes
Locally Mount Snap Volume	Yes
Remotely Mount Snap Volume	Yes
Manual Snapshots	Yes
Auto Expansion of Snap Pool Space	Yes
Capacity Manager (policies & threshold)	Yes
GUI	Web based
Command Line Interface	Yes
RAID support for Snapshot storage	Yes

