

IBM ProtecTIER Deduplication for Symantec OpenStorage

Enhances performance and reduces storage requirements of backup and restore operations



Highlights

- Industry-leading backup and recovery performance and scalability
 - Unique and patented inline deduplication technology that avoids the risks associated with other hash-based deduplication products
 - Superior management of backup and disaster recovery environments
 - Tightly coordinated replication for improved management and speed of recovery of replicated images
 - Support for replication amongst up to 12 ProtecTIER® systems in a network
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Users of all sizes from midmarket to the largest of enterprise-class data centers want to simplify their backup operations, improve their disaster readiness, reduce their management burden and decrease costs. With its latest innovation in data protection, IBM now offers a higher level of integration between its ProtecTIER Deduplication solutions and the Symantec OpenStorage API. This optional plug-in component ensures catalog consistency in a replicated data protection environment and alleviates data management burdens and delays to accessing the data when needed.

IBM ProtecTIER deduplication solutions are designed to meet the disk-based data protection needs of users of all sizes while enabling significant infrastructure cost reductions. ProtecTIER offers industry-leading inline deduplication performance and scalability up to 1 petabyte (PB) of physical storage capacity per system that can provide up to 25 PB of storage capacity. Combined with IBM or third-party storage, ProtecTIER provides a highly scalable disk-based repository to improve the retention and availability of your backup data. By integrating tightly with the Symantec OpenStorage API, ProtecTIER now provides a superior deduplication solution for managing backup, recovery, and disaster recovery for organizations of all sizes.

The high performance and scalability provided by ProtecTIER enables customers to manage more data with less infrastructure while Symantec's intuitive OpenStorage API makes it even easier to control, duplicate and replicate backup images from within the backup application.

Deduplication Enabled Disaster Recovery (DR)

Disaster Recovery plans are an intricate combination of policies, practices and procedures. The plans employed by IT organization across different regions and types of business are as varied as the businesses



they support. However, there is one fundamental building block upon which all DR plans rest: data accessibility at a second site. To achieve disaster preparedness, IT organizations require a holistic approach that ensures that mission-critical data is safely housed at a remote site, intact, with data integrity. The optimal technology to achieve this has long been remote replication, however the high cost and impact of managing replicated data has previously inhibited its widespread use. Fortunately, ProtecTIER combined with the Symantec OpenStorage API offers users the ability to overcome those burdens and offers the following benefits:

- Backup images on storage-optimized ProtecTIER systems can be copied or replicated under full control, monitored and cataloged by maintaining catalog consistency. This enables administrators to easily keep track of both local and replicated copies of backup images and to make them visible at a remote site when needed. With the powerful combination of ProtecTIER deduplication with native replication and Symantec with the OpenStorage API, all copies are visible and accessible at all times so there is no management burden and no delay to access data when needed.
- Offers integrated reporting of ProtecTIER replication jobs into the backup application's GUI and automated reporting system
- Speeds the recovery of replicated backup images in their entirety or at a granular level via the backup application's GUI
- Backup images can be replicated to a remote location and be copied to tape under the control of the backup application without moving the data back through the media server.

Why IBM?

IBM's broad portfolio of deduplication solutions empower customers to retain data longer, protect data more efficiently and reliably, and save money by reducing energy, floor space, and maintenance requirements. And only IBM, with our global network of employees and Business Partners, can deliver the expertise and resources needed to design, integrate and support this technology to customers of all sizes around the globe.

For more information

To learn more about IBM ProtecTIER Deduplication solutions for the Symantec OpenStorage API, please contact your IBM marketing representative or IBM Business Partner, or visit the following website: ibm.com/systems/storage/tape/protectier/

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