

# Native Replication for IBM ProtecTIER Deduplication Solutions

*Replication and deduplication combine to provide dramatic improvements in disaster recovery*



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## Highlights

IBM® ProtecTIER® native replication technology provides:

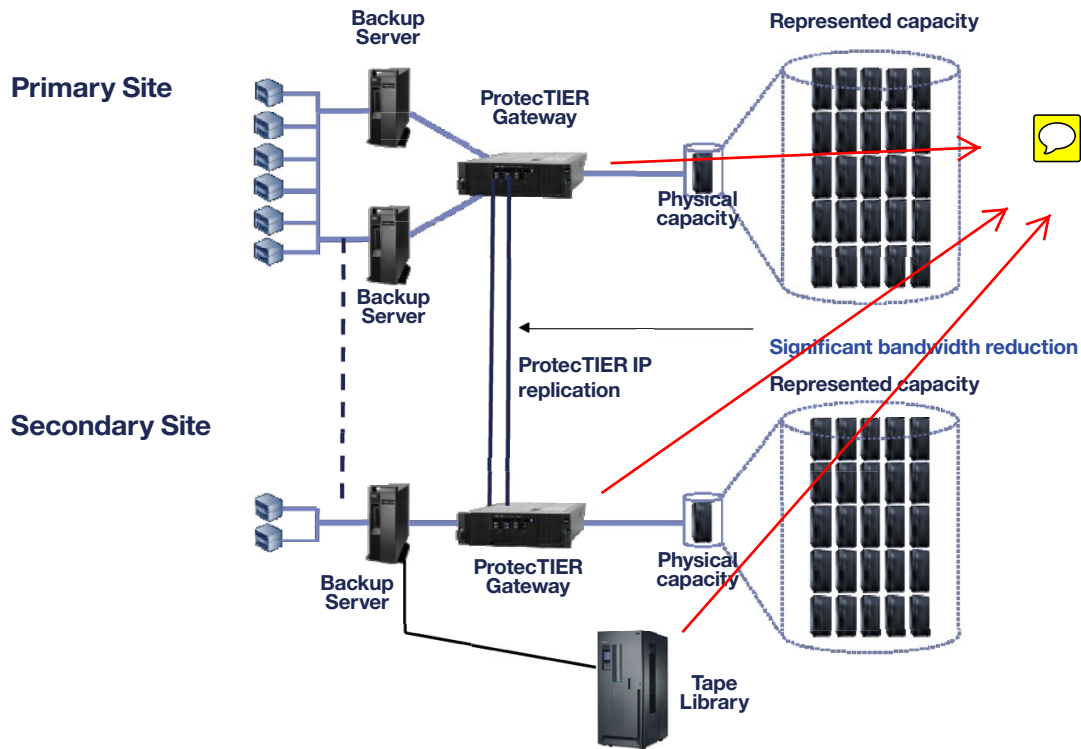
- Inline deduplication enabled electronic transfer of data
  - Many-to-one replication for enhanced remote office data protection
  - Many-to-many replication for multi-data center environments
  - High-speed, bandwidth efficient replication of backup data between one or more sites
  - Dramatic cost reduction in data protection and disaster recovery operations
  - Significant improvements to disaster recovery operations
  - Protection for more data and more applications with replication while saving on costs
  - Designed for 100 percent data integrity
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IBM ProtecTIER native replication technology enables the automated electronic replication of backup data between one or more data centers, remote offices and offsite storage locations for enhanced disaster recovery and business continuity. By eliminating the need to transport physical tape cartridges, data can be recovered faster and more reliably, enabling systems to get back online quickly in the event of a disaster or major system outage.

Bandwidth remains the most expensive component in most distributed IT environments. Patented ProtecTIER deduplication technology dramatically reduces the amount of bandwidth required by only transmitting new unique data to the remote location. This radically reduces the costs associated with electronically transmitting data and extends the benefits of replication to a larger portion of applications and data.

The cornerstone of any recovery plan is ensuring data accessibility at the secondary site. ProtecTIER helps IT organizations prepare for a disaster by providing a safe, simple and affordable means of transferring key data to the remote site.





ProtecTIER native replication technology enables customers to improve their disaster recovery capabilities in the following ways:

- Accelerated recovery time: All data is stored on high-speed disk, making recovery fast and efficient so systems can be brought online at a fraction of the time of a tape-based recovery environment.
- Expanded disaster recovery coverage: More production applications and associated data can be protected with replication—something previously only reserved for Tier 1 applications and mission-critical data.
- Automated operations: Tightly integrated native replication enables IT organizations to automate the process of getting backup data to an off-site location quickly and reliably, avoiding the hassles and security risks associated with transporting physical tapes.



## For more information

To learn more about IBM ProtecTIER Deduplication solutions with native replication, please contact your IBM marketing representative or IBM Business Partner, or visit the following website: [ibm.com/storage/tape](http://ibm.com/storage/tape)

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