

DeltaRemote

Remote Replication Software

DeltaRemote™ software for the SEPATON® S2100®-ES2 virtual tape library (VTL) enables data-intensive enterprises to meet their disaster recovery imperatives without the cost, risk, and complexity of shipping tapes off-site. Now enterprises with large data volumes can ensure reliable disaster recovery, eliminate time-consuming tape handling, and meet regulatory requirements for disaster preparedness. DeltaRemote is the fast, secure way to move terabytes of data to the safety of a remote site automatically – eliminating the risks associated with physical tape, including data security, shipping delays, human error, and physical cartridge loss.

Network Optimized for Efficient Bandwidth Utilization

Leveraging SEPATON's advanced deduplication technology, DeltaRemote reduces bandwidth by as much as 97 percent. The system handles backup, deduplication, and replication concurrently to protect enormous data volumes at industry-leading speeds.

DeltaScale Architecture Protects Petabytes in a Single System

SEPATON technology eliminates the administrative cost and complexity of managing numerous independent backup systems needed to handle enterprise-class data volumes. SEPATON delivers the performance, capacity, and modular scalability that data-intensive enterprises need to protect petabytes of data in a single system. Usable capacity (before deduplication) scales to 1.6 PB.

SEPATON's unique DeltaScale™ architecture enables the system to load balance back up, replication, and deduplication across multiple processing nodes and lets you add capacity or performance as needed without over-provisioning.

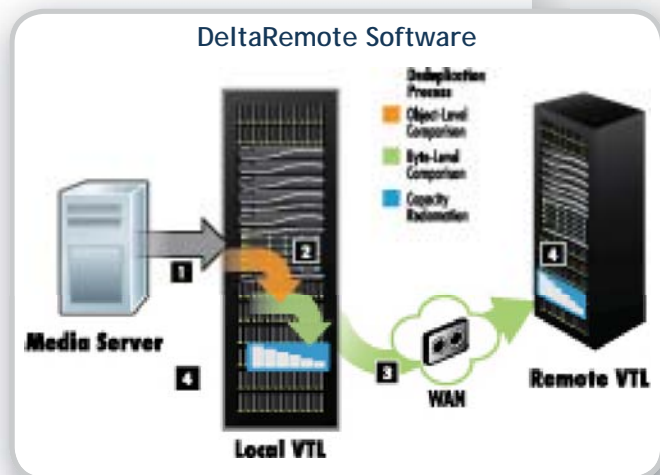
Industry-leading Restore Performance

DeltaRemote meets RTOs with industry-leading restore times and unique forward referencing deduplication which enables it to restore data immediately without the reassembly required by other solutions.

Flexible DR Deployments

DeltaStor can be deployed in a variety of ways to meet the business and disaster protection needs of large enterprises. Replicate data from a headquarters data center to a remote DR site. DeltaStor delivers complete DR protection as well as WAN-based cartridge recovery.

For enterprises who maintain two data centers, DeltaStor also enables bidirectional replication (source and target). Eliminate tape handling in remote sites by using DeltaStor to replicate from multiple regional data centers to a primary data center in a many-to-one configuration.



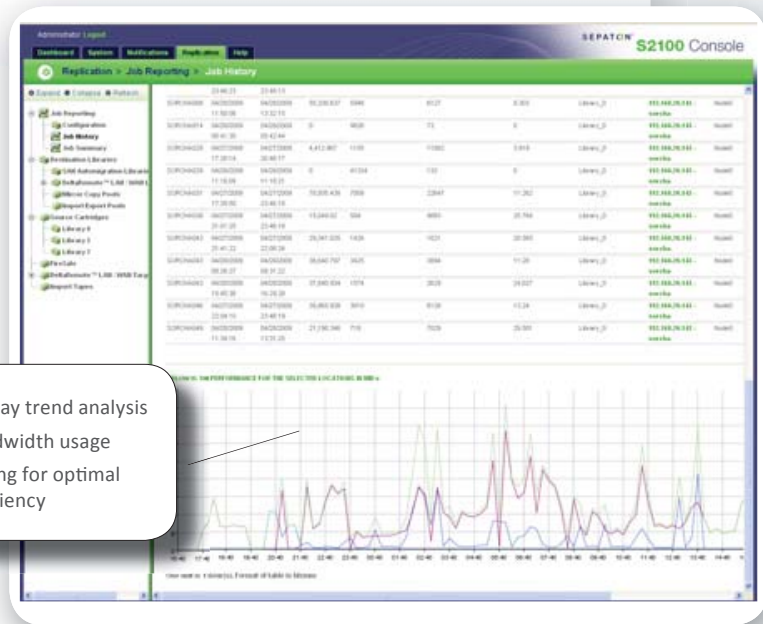
(1) Data is backed up from media server to VTL on primary site. (2) Data is examined at the object and at the byte level to identify duplicates and new data. (3) A copy of new data and pointers to duplicate data are replicated to the remote VTL. (4) Space is reclaimed on both the local and remote VTLs. Note that all steps are performed concurrently.

Powerful System Management

SEPATON gives you complete control of your backup and disaster protection environment to support your business objectives and policies. Powerful system management delivers unparalleled flexibility and control of back up, deduplication and off-site replication for maximum efficiency.

DeltaRemote lets you choose the data you want to replicate at the backup job or the cartridge level. You can also choose to replicate data with or without enabling deduplication.

- **Fully integrated** with the SEPATON VTL management console, DeltaRemote software cuts administration time with automated remote replication based on your policies. Intelligent scheduling and bandwidth throttling optimizes bandwidth utilization. Management console features include:
 - **Replication status view** shows the percent completion of replication jobs (by bar code) through each phase of replication.
 - **Replication trend data.** Collect up to 90 days of data on replication performance and efficiency for system optimization as well as detailed trend analysis and bandwidth planning. User-friendly reports put key data at your fingertips, including time of replication job transfer, time completed, percent completed, and transfer status. Open data format lets you upload data into third-party reporting tools for further analysis.
 - **Replication configuration wizards** make setup of source VTLs and target VTLs intuitive and simple.
 - **Windowing policies** enable you to choose the data you want to replicate and set the time and frequency of replication.



Replication status view lets you track efficiency of replication process for bandwidth optimization and planning.

Faster, Simpler Testing

Unlike a tape-based system, which requires recalling tapes from archive, loading a tape library and restoring data linearly from the tapes, DeltaRemote enables continuous, online access to stored data for simple, efficient testing. DeltaRemote saves significant time and money by enabling you to conduct disaster recovery testing faster and without the need for physical tape management. Now you can test more frequently and with more realistic disaster scenarios.

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