

FastStart Plus Deduplication Package

SEPATON's FastStart Plus Deduplication Package is the simple, risk-free way to implement enterprise-class deduplication. For less than the cost of a comparable tape system, the SEPATON FastStart Plus Deduplication Package delivers: industry leading performance, enterprise scalability, and the industry's best deduplication ratios. You get a fully configured, ready-to-install appliance that includes SEPATON's award-winning S2100®-ES2 virtual tape library, DeltaStor® data deduplication software, and one year of technical support.

Blazing Performance

The FastStart Plus Deduplication Package lets you backup and restore data at 2.14 TB/hour to maintain backup windows and restore SLAs with ease. The innovative design of the DeltaStor deduplication software lets you maintain wire speed performance by deduplicating data outside of the primary data path, concurrently with the backup process.

Hands-Off Simplicity

The FastStart Plus Deduplication Package is easy to purchase, implement, and manage. This fully configured appliance comes complete with DeltaStor deduplication software as well as one year of support services.

Managing the FastStart Plus Deduplication appliance couldn't be simpler. Cut your backup administration time by automating all disk management and monitoring tasks—from capacity monitoring to allocation of capacity and load balancing.

Scale Performance and Capacity

The unique grid architecture of the S2100-ES2 VTL enables it to scale performance and capacity independently. Each SEPATON replication engine (SRE®) node you add delivers 2.14 TB/hr of backup/recovery performance and the ability to reclaim 23 TB/day. Add disk shelves for up to 1.6 PB of usable disk capacity.

Advanced Customization

DeltaStor software enables you to select the data you want to deduplicate by application, backup server, or backup software. You can also tune deduplication by data type for optimal efficiency. There are two levels of deduplication to select from, enabling you to apply the most appropriate deduplication for your data types and backup policies.

Longer Online Retention Times

DeltaStor software delivers the industry's most efficient deduplication ratios. Our ContentAware™ technology compares data at the object level and then at the byte level for maximum capacity reduction. This methodology also enables DeltaStor to recapture capacity at 23TB/day/node. The FastStart Plus Deduplication Package lets you keep data online longer and restore data faster to meet e-discovery requirements and comply with regulations such as Sarbanes-Oxley and HIPAA.

Restore Files Instantly

DeltaStor's unique forward differencing feature enables the SEPATON VTL to restore data instantly. It stores an intact copy of the most recent backup and replaces duplicate data in older backups with pointers to it. As a result, the VTL can restore data at wire speed without reassembly.

Guaranteed* 40:1 Deduplication

The FastStart Deduplication Package will deliver at least a 40:1 deduplication ratio on your Microsoft Exchange 2003 & 2007 data or Oracle 10 & 11 using flat files or RMAN data in 30 days or we'll give you an added disk shelf plus DeltaStor licensing valued at more than \$50,000.

Complete Control

Manage all VTL operations, including backups, restores, configuration, and deduplication processes and monitor all physical systems and hardware from a single, fully integrated management console. The detailed system capacity view gives you a variety of key metrics, including snapshots of usable disk capacity, disk space consumed, and remaining capacity. When you are nearing a preset level of capacity usage, the system automatically alerts administrators that more capacity is needed. The management console also provides a graph of the actual deduplication efficiency ratio and data capacity reclaimed.

SEPATON FastStart Plus Deduplication Package Specifications

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| Hardware | SEPATON S2100-ES2 Series 1000 virtual tape library. Rack version includes: 42U rack, FC/Ethernet switches, PDUs and cables. |
| Software | DeltaStor licenses |
| Backup/Restore Performance | 2.14 TB/hr/node |
| Deduplication Performance | 23 TB/day/node |
| Capacity | Usable: 20 TB (2 shelves of 1 TB storage) |
| Host Interface | 4 Gb Fibre Channel |
| Support | 1 year Bronze level support |
| Tape Library Emulation | ADIC Scalar 1000, ADIC Scalar 10K, ADIC Scalar 24, Generic SCSI, HP ESL Series, HP MSL Series, HP Autoloader 1/8, IBM 3584, Quantum/ATL P1000, Quantum/ATL P3000, Quantum/ATL P4000, Quantum/ATL P7000, StorageTek L180, StorageTek L700 |
| Tape Drive Emulations | HP Ultrium LTO-1, HP Ultrium LTO-2, HP Ultrium LTO-3, HP Ultrium LTO-4, IBM 3590, IBM 3592, IBM Ultrium LTO-1, IBM Ultrium LTO-2, IBM Ultrium LTO-3, IBM Ultrium LTO-4, Quantum DLT-7000, Quantum DLT-8000, Quantum SDLT-1, Quantum SuperDLT 320, Sony AIT-2, Sony AIT-3, StorageTek T9840, StorageTek T9940 |

*40:1 Deduplication Guarantee

SEPATON guarantees that the FastStart Plus Deduplication Package will reduce the capacity of backup data at a 40:1 ratio under the following conditions: Guarantee only applies to currently GA backup applications with Microsoft Exchange 2003 and 2007 Agent, Oracle 10 and 11 using flat files or RMAN. The package must be installed and configured by a SEPATON Professional Services representative. The customer must follow SEPATON best practices including performing full backups of applicable data at least five times per week for thirty days. Thirty days after the FastStart Plus Deduplication Package is put into full production at the customer site, the system will deliver a capacity reduction ratio of at least 40:1 (including hardware compression) on applicable data types as measured by the "View Backups" screen in the DeltaStor System Management Console. If the FastStart Plus Deduplication Package fails to deliver the 40:1 capacity reduction ratio in 30 days as provided above, as shown by reasonable evidence, SEPATON will provide the customer with an additional disk shelf plus DeltaStor licensing valued at over \$50,000 at no charge provided that the FastStart Plus Deduplication Package is in production by December 31, 2008.

SEPATON reserves the right to audit the customer environment to verify its capacity reduction ratio. This offer is only valid through December 15, 2008.

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