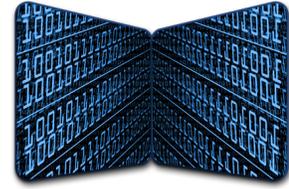# SEP Software Corp.

SEP Software offers a single backup and disaster recovery solution for heterogeneous environments of any size. SEP's flagship solution, SEP sesam, uses its patented Multi-Streaming technology to facilitate unlimited simultaneous data streams to provide some of the highest performance in the backup market.

SEP is cross-platform, multi-OS, and supports every popular database and Groupware solution available. Exceptional remote management capabilities allow users to easily and efficiently manage thousands of locations around the globe from one central location. SEP specializes in replacing multiple backup software products with one standardized solution for the entire enterprise.

Decuplication Facts

Organizations on average face 50% annual growth of data requiring protection. Backup window allowances are shrinking to meet global customer 24x7 demand. Recovery time requirements are shrinking to reduce the cost of downtime. Digital storage has grown by 23% each year since 1986. It is now estimated that more than 2.5 exabytes, that's 2.5 billion GB, of data is produced globally every single day. Experts forecast that 40 zettabytes of data will be in existence by 2020. Deduplication can help with the costs and challenges of data growth and limitations of backup windows.

Deduplication
with SEP sesam

SEP Si3 Deduplication is a scalable, high-performance, inline, global dedupe solution that optimizes disc capacity and provides data access for both deduplicated and non-deduplicated DataStores. It delivers extremely fast restores due to the deduplication repository's direct block-level access with zero file system overhead, eliminating any performance degradation during read operations. By using variable block sizes, users can compress more data into smaller footprints and maximize limited disk space.

When combined with SEP Replication technology, users can maximize their existing infrastructure by creating off-site warm standbys and/or replicating data from any node to any other node.

SEP Si3 Deduplication Key Features:

- Maximizes disk space and reduces storage costs
- Operates on any hardware and consolidates data efficiently
- Eliminates the need for expensive hardware-based deduplication appliances
- Decreases power consumption in data centers

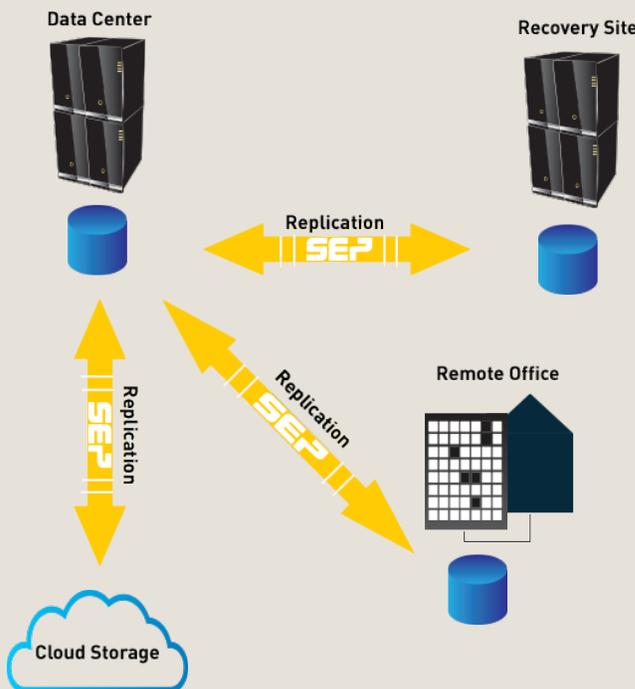| Solution	Si3
Deduplication technology	Global, inline
Direct block-level access (restore)	✔
Multi-Stream backup integration	✔
Replication	Block-level
Replication bandwidth savings (WAN)	Up to 97%
Unique data is transferred only once from remote site to data center	✔
Maximum Dedupe DataStore size	4 PB
Disc storage savings	Up to 300:1
SEP Management Interface integration	✔
Deduplication	Real-time (inline)
Storage attachment	Server, Remote Device
Variable block-size	Down to 2K block size
Installation base	Physical, virtual
Supported architectures	64 bit
Evaluation period	30 days

Replication
with SEP sesam

SEP Si3 Replication is an easy and secure way to consistently replicate data between a main data center, a disaster recovery site, remote locations, or to the cloud, providing redundancy for disaster recovery as well as reducing overall disk and tape storage requirements. Users can maximize their existing infrastructure by creating off-site warm standbys and/or replicating data from any node to any other node. Since SEP is completely hardware agnostic, users can replicate to dissimilar hardware among as many nodes as desired. Used in conjunction with SEP Si3 Deduplication, a global, inline, block-level data deduplication solution, this feature will ensure faster backup windows, improved performance and additional data security.

SEP Si3 Replication Key Features:

◎ Reduces disaster recovery costs with hardware agnostic software replication

◎ Decreases network traffic and maximizes bandwidth by only sending changed blocks

◎ Minimizes downtime by automatically creating warm standbys

◎ Fully integrates into the SEP single platform solution offering a single user interface for the entire enterprise

Operating Systems

Windows Server 2012
Novell
redhat
SUSE
solaris
debian
AIX
univention
HP-ux

Applications

Lotus software
Microsoft Exchange Server
Novell
abas Software
Microsoft SharePoint
OX OPEN-XCHANGE
SCALIX
OpenLDAP
DOVECOT
SAP
JIRA
cyrus

Databases

ORACLE
SAP
Microsoft SQL Server
PostgreSQL
MySQL
Informix
MariaDB
INGRES
IBM DB2

Virtualization

vmware
Xen
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SEP Backup & Disaster Recovery

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