

# SEP sesam Technologies

## Networkwide and Cross Platform Data Availability



### Product Overview

SEP sesam back up solutions are designed for client/server architectures from small data server environments to large heterogeneous, data processing centers with large databases and scalable Storage Area Networks (SANs).

To meet the demands for high performance data security, SEP sesam utilizes multiple, simultaneous back up streams to back up devices. This minimizes the time required to perform scheduled and unscheduled system back ups.

Low CPU utilization and high transfer rates are assured through the use of SEP sesam's patented back up processing algorithms. Through the use of platform independent JAVA, a uniform user interface is assured on all servers and clients.

SEP sesam supports all standard back up devices, tape libraries and Virtual Tape Libraries. Virtual Tape Libraries emulate tape library functionality, including the autoloader, on hard drives. With today's low priced, high capacity hard drives, SEP sesam Virtual Tape Libraries increase flexibility and performance options for system back up and data security.

### Certified

With many years of experience developing software in the field of Back up, Restore and Disaster Recovery SEP sesam is a multiple certified solution.

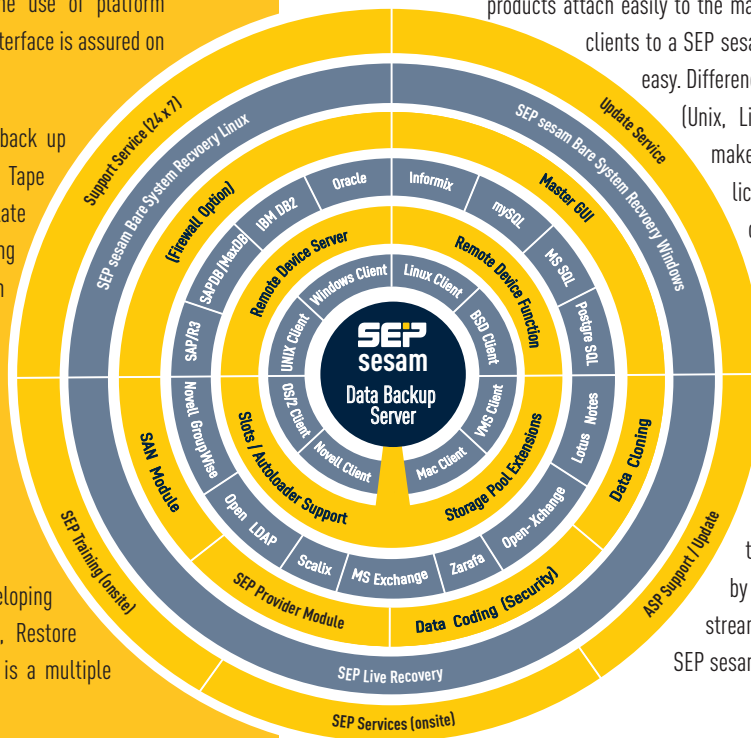
### SEP sesam is designed with Company Evolution, System Expansion and Security in mind.

The SEP License and Pricing models support customers' growth and development. For example, a SEP server license can be transferred between servers regardless of the server's installed operating system. i.e. Windows, Linux, Unix, Solaris, etc.

Through simple a la carte licensing, cost of ownership is reduced. You never have to pay for more software than is required. With SEP, you do not have to move up to the next tier and pay a large surcharge. If you only need to license one additional server, you can do just that.

The SEP sesam license model supports simple and flexible configuration of all basic modules and extensions (options). SEP sesam uses the Data Back up Server as the center for all other products. Once installed, other products attach easily to the main data storage group. Adding clients to a SEP sesam Back up Server is safe and easy. Differences in client operating systems (Unix, Linux, Windows, Solaris, etc.) make no difference in the client licensing. With SEP sesam, a client is a client regardless of the operating system.

All attached computers running SEP software have immediate access to system installed back up devices. You license tape libraries by the number of tape slots. SEP does not license by the number of disk drives, data streams or back up throughput. SEP sesam licensing is SIMPLE.



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Global Storage Management

# SEP sesam

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### Safety features

- **Firewall** - SEP sesam can back up clients over multiple firewalls. Back up Server utilizes three defined and clearly assigned ports to transfer data securely between the client and the server. Further, SEP sesam supports Secure Shell (SSH) and Secure Socket Layer (SSL).
- **Encryption** - For additional safety and security SEP sesam encrypts (via blowfish) data at the client and transfers the encrypted data to the server. To prevent the potential theft of back up data SEP sesam stores the backed up data in encrypted form in the main data storage center. Only when data is restored to a client or server is the data unencrypted.
- **Easy Restore Tool** - In the event of user data loss SEP sesam allows the system administrator to restore data to all users. The administrator can use SEP Scheduler to deliver lost data to the users making life for all concerned painless.
- **SEP sesam Bare System Recovery** - Multiple data recovery is possible using SEP sesam. From the most recent tape back up all the way to bare metal restore even with dissimilar hardware is possible with SEP sesam Bare System Recovery.
- **SEP live recovery** - (seperate product module) Asynchronous data base back up prevents downtime and data loss by allowing the system manager to maintain data integrity. Using SEP live recovery the system/ operations manager can maintain the highest level of data security. A shadow file is created next to the actual database file and data is stored before it is written to back up. In the event of logical failure the db system can be rebuilt in a brief time to the point of failure.
- **Data retention** - SEP sesam creates a Virtual Tape Library or a tape drive block of backed up data on hard disks, revision-safe storage on tape and any other storage media. SEP sesam allows, also for the absolute deletion of data media if required, as well as physical cloning.

### Markets and Product Lines

SEP sesam is divided into three product lines targeted at the SOHO, SMB and Enterprise level. Conversion of the SEP sesam BOX or the SEP sesam BIZPAKS into the SEP sesam LICENSE PROGRAM is permitted at any time. Favorable cooperative relationships with industry leaders in the security and Linux markets allows us to offer a complete and secure back up solution from the small user to the enterprise.

### Product features

- **Platform-independent** - Supported OS platforms include Windows/NT/2000/XP/2003/Vista, all popular Linux distributions & UNIX derivatives as well as OpenVMS are supported
- **SEP Scheduler** - Integrated, heterogeneous calendar functionality to control all tasks including back up and restore
- **Simple installation and configuration** - SEP sesam requires little training and administrative overhead
- **Automatic recognition** - Upon installation SEP sesam recognizes all storage devices.
- **Automatic Identification** - Automatically identifies available tape drives, tape libraries and disk drives within your SAN and NAS environments
- **Centralized administration** - SEP sesam master GUI (Java) makes the complete administration from a central location or a remote workstation fast and easy.
- **Performance** - Up to 64 output data streams are possible
- **Remote function** - Allows back up to a client's attached tape subsystem via remote system manager access.
- **SAN** - Support of LAN free Back up in the SAN

### Legal Regulations

SEP sesam and its various components and modules complies with all EU requirements and also follows the more stringent German legal requirements for data back up and recovery.

### SEP sesam Solutions

A fully operational SEP sesam software package is available for a 30-day test for all supported operating systems and can be obtained via download from our web-site at [www.sep.de](http://www.sep.de). During the test phase we provide free installation support.

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