

The logo for SEP Hybrid Backup. The letters 'SEP' are in a bold, dark blue font. The letter 'E' has a small yellow square above its top bar. The letter 'P' has a small yellow square above its top bar. The background of the logo is white, which is set against a larger yellow background with a network pattern of white dots and lines.

SEP

Hybrid Backup

Unlimited data backup
in any IT infrastructure!

www.sepsoftware.com

protectionnow.

SEP

SEP sesam Beefalo

A new kind of SEP sesam



Strong, reliable, powerful...

"Nothing is as constant as change" (Heraclitus of Ephesus) – in consideration of this motto, SEP sesam is constantly developed further and adapted and optimized to the changing requirements of the IT environments. The latest version SEP sesam Beefalo offers the most comprehensive support on virtualization platforms, new backup technologies both on premise and in the cloud and offers advanced security options.

The focus of the innovations are replication in the S3 cloud, official support of the virtualization platforms OpenNebula and Proxmox, direct backup of the hyper converged infrastructure Nutanix and optimization of the software-based SEP sesam Si3 inline deduplication and replication, which can now also be encrypted. With OpenNebula and Proxmox, SEP now supports the eighth hypervisor platform alongside VMware, Red Hat RHV, Hyper-V, Citrix Hypervisor (XenServer), XCP-ng and KVM/QEMU. This

supports enterprises and organisations in compliance with the Compliance directives and the EU-GDPR. Further connections and interfaces to various IT solutions have also been integrated. Thus SEP sesam Beefalo is one of the most universal backup and recovery solutions.

Hybrid Backup is also reflected in the name of the latest version. Beefalo, the hybrid of beef and buffalo. With the S3 Cloud Replication SEP leads the way for replications in the future. Cloud replication, as the market is developing, will in the medium term replace tape as the third instance for the secure distribution of backups. In addition, improvements in Si3 deduplication and replication have been developed and the possibility of encrypting the DedupStore has been introduced. This further reduces the data volume of the backup sets to be transferred and the encrypted data is securely transferred to the cloud storage via https transmission.

new!

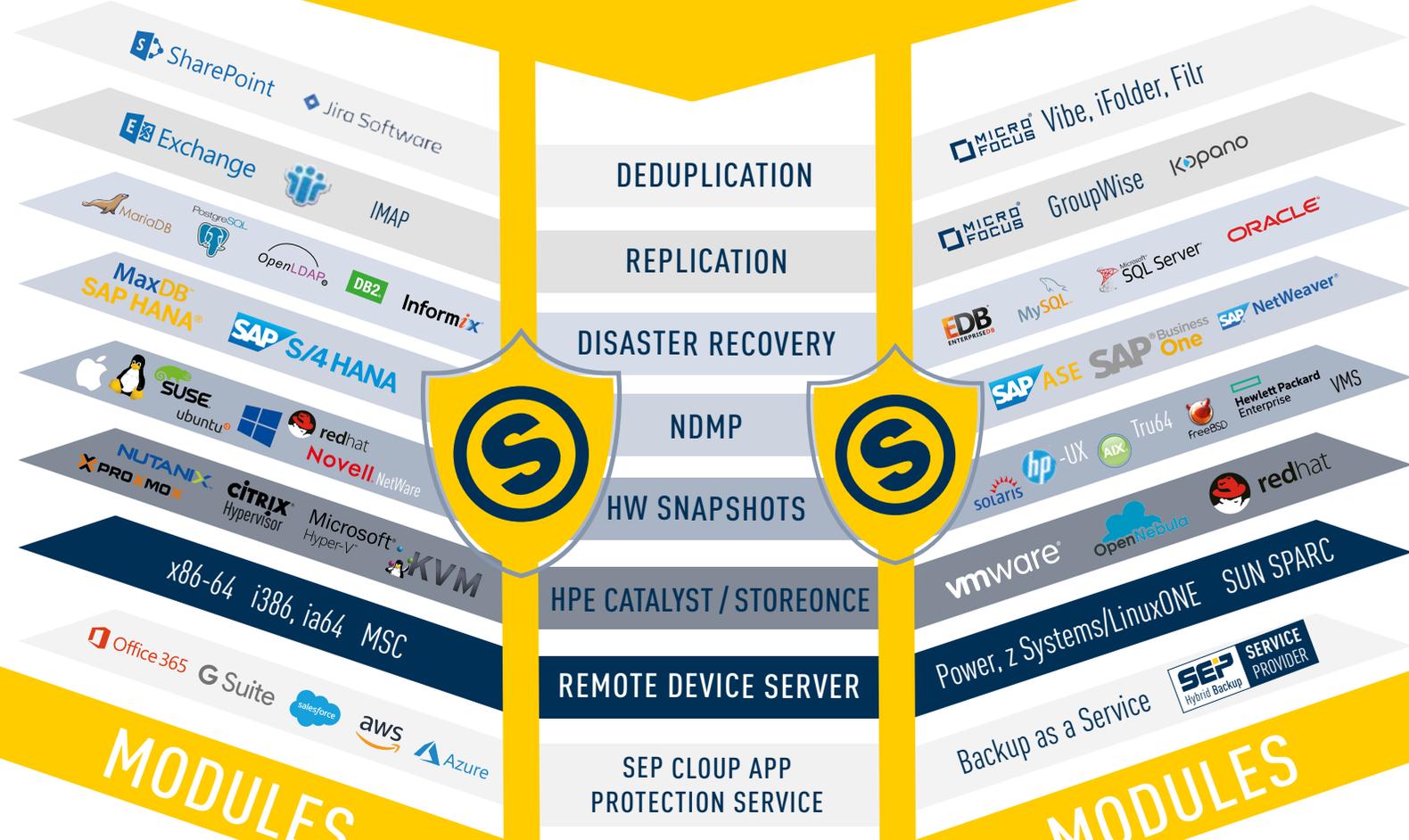
Features and Benefits

- ✓ **S3 Cloud Replication**
Replicating data into the cloud
- ✓ **Storage Snapshots**
Using NetApp Hardware Snapshots for Backup & Recovery
- ✓ **Authorization**
Specification of access rights & roles
- ✓ **Simplification through authentication**
Linking to AD/LDAP
- ✓ **Nutanix**
Protection of VMs on Acropolis and VMware
- ✓ **OpenNebula**
Securing VMs at the Cloud Management Level
- ✓ **VMware Sandbox Restore**
- ✓ **SUSE Enterprise Storage ready**
- ✓ **Citrix Hypervisor (XenServer) now with native incremental backup**
- ✓ **Hyper-V**
Single file restore from full and incremental backups
- ✓ **Red Hat Virtualization (RHV) 4.2**
- ✓ **Improvements at IBM Domino, MSSQL AlwaysOn, SAP HANA and much more**

BUSINESS

RELIABILITY

COMPLIANCE



Backup for demanding users from medium-sized businesses to Enterprise businesses

SEP sesam Hybrid Backup is the ideal data backup solution for heterogeneous IT infrastructures. It secures the data of organizations and enterprises from midsize to enterprise with absolute reliability and supports an extensive portfolio of virtualization platforms, operating systems, databases, applications and hardware snapshots.

The global solution - Made in Germany

The reliable restore of all company data, the flexibly adaptable license model, German quality and product standards and an attractive price-performance ratio are only four of countless arguments why organizations and companies from medium-sized business to enterprise worldwide have chosen the hybrid backup solution SEP sesam.

- Reliable recovery of all company data
- Flexibly adaptable license models
- German quality and product standards
- Attractive price-performance ratio

As a German manufacturer, SEP offers short communication channels for the extensive topic of data backup to provide fast and reliable help in crisis situations.

In addition, SEP understands the desire of customers to be able to rely on a stable version for more than one year without having to install the latest version immediately. Therefore SEP always supports at least 2 versions at the same time.

Facts that speak for themselves!

- ✓ **Multi-Hypervisor Support**
VMware, Hyper-V, RHV, KVM, Open Nebula, Citrix Hypervisor (XenServer), Nutanix, Proxmox, XCP-ng
- ✓ **Consistent backup & recovery**
of all databases and applications
- ✓ Support of **all common operating systems**
such as Windows, Linux, Unix, MAC & Legacy
Support for Novell Netware, VMS etc.
- ✓ **Disaster Recovery** of Windows and Linux
Systems also for Dissimilar-Hardware
- ✓ **Minimum storage volume** at the
Data backup through Si3 inline
deduplication technology
- ✓ **Effective Si3 Replication** of the backed
up data for distributed environments
incl. S3 interface
- ✓ **Hardware and Software independent**
- ✓ **NDMP & Storage Snapshot**
- ✓ **24x7 Manufacturer Support**
- ✓ German reliability through backup
„Made in Germany“
- ✓ Specialized in data protection solutions
for **over 25 years**

Saving all data ...

The multiple certified backup solution proves itself every day ten thousand times in the backup and recovery of virtual machines as well as physical computers.

With the Multi-Hypervisor Support of SEP sesam users are absolutely free to choose their virtualization platform. Virtual machines can be started directly from the backup. SEP sesam is specialized in the granular recovery of data from Microsoft and Linux OS and protects the entire IT infrastructure.

NetApp snapshots are fully integrated into SEP sesam. Thus the backup and recovery processes can be automated.

The Virtual File System Layer of the SEP sesam Restore Wizard provides instant access to Linux, Windows, NetApp, Exchange and SharePoint data - without restoring.

The SEP sesam disaster recovery solutions offer administrators a powerful and flexible tool to easily recover all systems on any hardware. This significantly minimizes downtime after a server crash.

SEP supports the largest portfolio of different databases and applications. The extensive SAP certifications as well as the support of Oracle RAC and Exchange DAG underline the strong enterprise focus of SEP sesam.

With SEP sesam, IT managers have the freedom to flexibly adapt their infrastructure to the constantly growing requirements. The backup solution is highly scalable and permanently protects the investments of organizations and companies.

... on any backup storage!

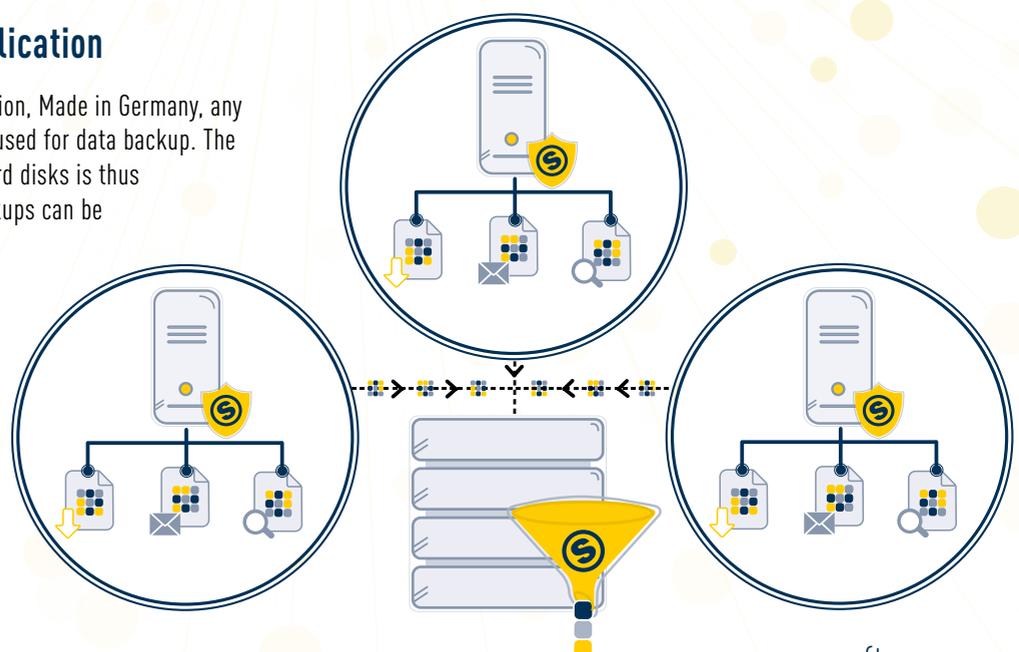
The solution provides comprehensive support for disk, cloud, snapshot, and tape-based backup and recovery. The SEP sesam Backup Server and Remote Device Server are available for Windows and Linux operating systems and can be changed as required.

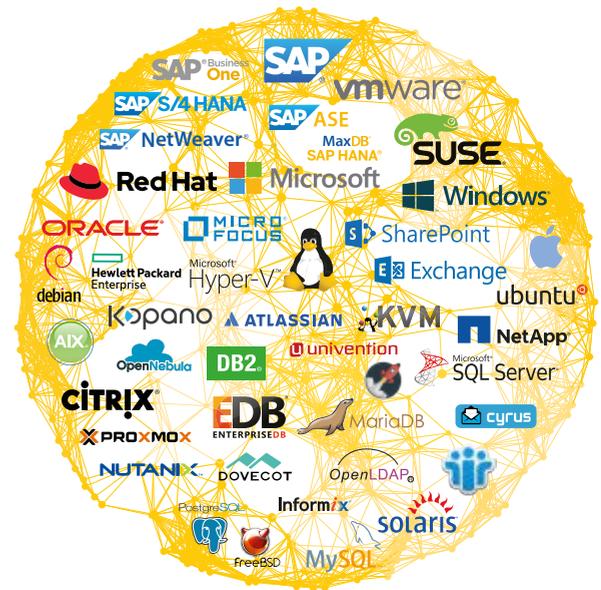
The SEP sesam multi-streaming technology enables extremely fast, simultaneous backups of an unlimited number of servers to one backup media. Furthermore, with the Hybrid Backup solution, companies are hardware and software independent and free to choose their storage technologies.

Si3 Deduplication and Replication

With the patented Si3 inline deduplication, Made in Germany, any existing disk storage can be optimally used for data backup. The storage of large amounts of data on hard disks is thus particularly cost-effective and the backups can be stored for longer periods of time.

- Significant reduction in backup storage requirements for all backup jobs
- Cross-site protection of systems
- Bandwidth-saving outsourcing of backup data





The Company - more than 25 Years of Data Protection & Recovery Experience

SEP makes the world a little safer every day. With the hybrid backup and disaster recovery solutions, the data of companies and organizations are backed up around the clock and completely restored in the event of a disaster.

Our ambition: No data should be lost. This is why all components are extensively tested and constantly improved after development.

SEP has been developing and selling enterprise-wide data protection solutions since 1992, based in Holzkirchen near Munich. SEP has a strong partner network and relies 100% on resellers for sales.

GDPR ready - compliant data protection and recovery

SEP sesam secures absolutely reliable business critical information, applications, databases and systems, which contain all kinds of information from sales and customer relations, production and administration up to financial and business transactions. Because of this importance, a comprehensive business continuity strategy is needed that focuses on Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs), which are essential in a disaster recovery scenario.

SEP sesam is optimized for securing virtualized and physical environments and enables compliance of legal requirements in heterogeneous IT environments. Encryption is one of the central technical elements.

Secure data retention is introduced by the encryption of the SEP Si3-DedupStore. After splitting the data stream into blocks and compressing each block, each individual block can now be encrypted with an arbitrarily definable key.

To restore the data, the key can be stored in the database of the backup server or the data owner must authorize a restore with his personal key. This encryption guarantees BSI conformity.

Personal Contact



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1.

Try the 30-day full version now!



The SEP sesam 30-day full version includes all functions for optimal data backup & recovery, as well as a personal demo support.

2.

SEP sesam Support Matrix



SEP sesam supports a large portfolio of operating systems, databases, virtualization platforms, applications and hardware snapshots.

3.