

SEP sesam's Backup & Disaster Recovery Capabilities for the Red Hat Ecosystem



Supported systems that are part of Red Hat's ecosystem

Protected solutions:

- ✓ Red Hat Virtualization
- ✓ Red Hat Enterprise Linux
- ✓ Red Hat Storage
- ✓ Red Hat Certified Cloud and Service Provider Program (CCSP)

Supported architectures:

- ✓ i386
- ✓ x86-64
- ✓ IBM Power, Open Power
- ✓ zSystems/LinuxONE

Protected databases running on RHEL & RHV:

- | | |
|-----------------|-----------------|
| ✓ PostgreSQL | ✓ SAP ASE |
| ✓ Enterprise DB | ✓ SAP HANA |
| ✓ MariaDB | ✓ SAP Netweaver |
| ✓ MySQL | ✓ MaxDB |
| ✓ Oracle | ✓ Informix |
| ✓ IBM DB 2 | |

Protected applications running on RHEL & RHV:

- | | |
|---------------------|----------------|
| ✓ IBM Domino Server | ✓ Dovecot IMAP |
| ✓ Zarafa | ✓ Cyrus IMAP |
| ✓ Kopano | ✓ Courier IMAP |
| ✓ MySQL | ✓ openLDAP |
| ✓ Atlassian Jira | |

Furthermore SEP sesam supports all guest Operating Systems of the Red Hat OpenStack Platform and Red Hat Enterprise Virtualization for i386, x86-64 and Power architecture.

SEP sesam for Red Hat Solutions

Red Hat solutions operate systems that are the centerpiece of IT environments for companies and organizations worldwide. These systems manage all types of information from sales and customer relationships to finance and business operations. The importance of these systems requires a comprehensive business continuity management strategy, focusing on Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs), which are essential in a disaster scenario.



This is where SEP's unified data protection is vital. The SEP sesam Hybrid Backup and Bare Metal Recovery Solution prevents data loss and can recover the entire environment after a disaster scenario like:

- Force majeure
- Hardware failures
- Human errors
- Data corruption
- Logical and software errors

Even after the attack of encryption trojans SEP's backup data can still be recovered through the proven support of offline media.

With SEP sesam, data is protected 24/7 and is always available. SEP's reliable backup solution offers numerous certifications for Red Hat solutions and also the backup server can be operated on RHEL! SEP has partnered with Red Hat for over a decade.

SEP's versatile and economical data protection is ideal for both medium and large enterprises and integrates seamlessly into any IT environment.

The combination of the Red Hat and SEP solution gives you as customer a higher level of safety and security because of covering a majority of the relevant IT processes and operations. SEP and Red Hat offer you a complete, proven and certified solution stack.

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Red Hat Virtualization

SEP sesam was the first data protection solution that fully integrates with the Red Hat Virtualization backup API.



Full integration of Red Hat Virtualization's backup API into SEP sesam ensures consistent data protection as well as the fast and comprehensive recovery of virtual machines (VMs) in production IT environments. The integrated solution offers a platform for IT administrators utilizing the SEP sesam management interface to monitor the data protection status of VMs.

The integrated solution offers consistent data protection of Red Hat Virtualization VMs without the need to install backup clients inside each virtual machine.

Red Hat and SEP are committed to meet customer needs providing all the functionality, performance and interoperability required to meet today's demanding customer environments. Together, Red Hat and SEP offer worldclass solutions at an optimal price to implement, protect, and improve customers' investments in their IT infrastructure.

SEP sesam Hybrid Backup is a certified, cost effective, scalable and reliable backup and recovery solution for Red Hat Virtualization.

- API based Snapshot Backup for RHV 4.0 or later
- API based Snapshot Backup for RHEV 3.6 or later
- Easy and fast to install backup application
- Linux and Windows based backup server available



SEP reliably protects a wide range of Linux distributions. SEP sesam is certified for Red Hat Enterprise Linux and optimized for mission-critical solutions and applications:

SEP has been working in the Linux field for over 15 years. This leads SEP sesam to a reliable and full featured solution in both physical and virtualized Linux environments. High performance backups, snapshots, cluster readiness and the support of a wide range of file systems is mandatory. A large number of hot backup modules is available for a granular restore of a large number of databases and applications. SEP is part of the Open Source Community.



- Supported operating system versions:
- RHEL 7
 - RHEL 6
 - RHEL 5
 - RHEL 4
 - CentOS 7
 - CentOS 6
 - CentOS 5
 - CentOS 4

Bare Metal Recovery Capability for Linux

Each productive server needs a reliable backup and recovery concept. In physical environments a proven bare metal recovery solution for Linux is indispensable for an always on business. Therefore SEP sesam is a key component of Red Hat environments.

With SEP sesam Bare System Recovery (BSR) the recovery of systems after a server blackout is fast and easy. SEP sesam BSR enables users to restore a system to full operational availability within minutes, depending on the volume, hardware and network performance, after replacing a system disk or the complete computer hardware. The disaster recovery of Linux systems includes any settings with ACLs.

The SEP sesam interaction with Red Hat Storage

Massive Storage, Data Backup, Disaster Recovery, Redundancy and Replication can be at one's fingertips with Red Hat Storage combined with SEP sesam Hybrid Backup.

Companies and organisations can use Red Hat Storage to backup and redeploy data backups from anywhere to anywhere. Backups created from data centers, virtualized environments and private or public clouds can be moved anywhere the system manager desires.

Red Hat Storage Server offers global replication capability with a single point of administration. Replication is latency aware, object based and works perfectly with SEP sesam S3 inline deduplication. The included, Open Stack proven, Gluster FS offers the ability of easy and unlimited storage growth. This scalable and redundant backup-solution-stack allows tiering and backup-datamigration on any storage hardware or cloud storage.

SEP offers a central backup solution for the entire IT environment on one side while Red Hat offers a vendor independent backup storage with no limitations on the other side which gives maximum flexibility to IT administrators and radically reduces total cost of ownership (TCO).

