SECURE AND PROTECT VIRTUALIZED DATA WITH RED HAT AND SEP SESAM

PARTNER SOLUTION BRIEF

"The simple implementation of our backup concept and the consolidation of the various previous solutions have exceeded our expectations. Cooperation with SEP was very reliable and transparent. We can now easily assure our service level agreements (SLA) for retention and recovery times."[1]

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INTRODUCTION

Today, information is readily communicated between customers and businesses worldwide, making the security of data increasingly important. Information ranging from sales and customer relationships to finance and business operations has become the lifeblood of a company, requiring a comprehensive business continuity strategy. New, uniform data protection/security laws, such as the EU General Data Protection Regulation (GDPR) and the EU NIS Directive and IT Security Act, further emphasize the importance of businesses being able to meet recovery point objectives (RPOs) and recovery time objectives (RTOs). This challenge in safeguarding data is made more complex by heterogeneous, hybrid cloud, and virtualized environments.

SEP sesam Hybrid Backup for Red Hat® Virtualization provides enterprise-grade backup for hybrid cloud infrastructures. This solution integrates directly with Red Hat Virtualization to satisfy the need for data resiliency driven by today's market requirements. It protects a broad range of virtual environments, operating systems, applications, and databases, including SAP HANA, and is easy to set up and use. No agents are required on the Red Hat Virtualization manager, hypervisors, or even the Virtual Machines (VMs) – all that is needed is a VM within the Red Hat Virtualization environment on which to run SEP sesam and suitable backup storage.

SIMPLIFYING VIRTUALIZED BACKUPS

Traditionally, backing up VMs and performing consistent backups during the operation of a virtual estate involved tedious amounts of configuration and setup. It meant treating each VM as if it were a physical machine and installing a backup agent on each one along with any additional agents or components required to back up the VM workload. With world-renowned German engineering, SEP sesam Hybrid Backup for Red Hat Virtualization fully integrates with Red Hat Virtualization to bypass this complexity.
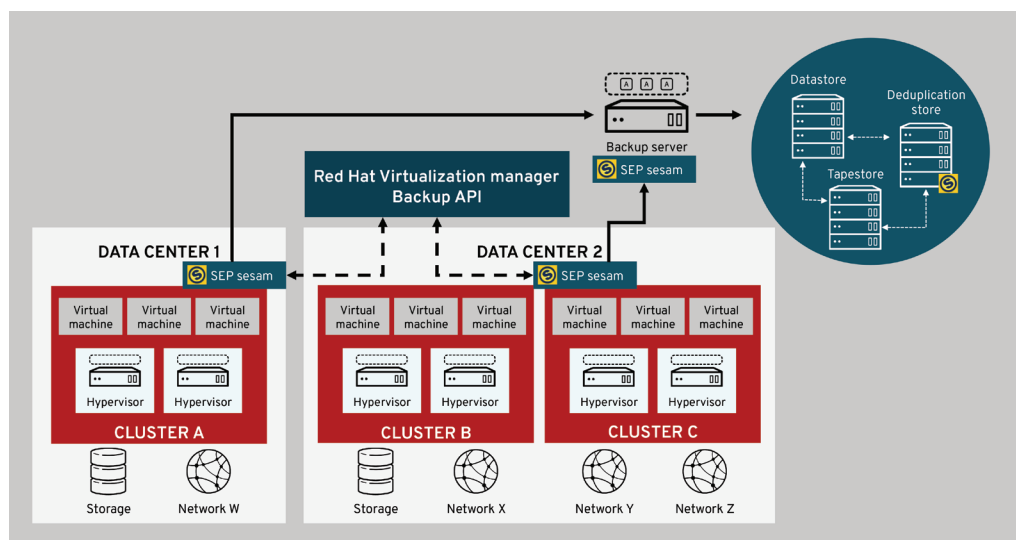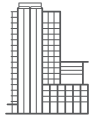

Figure 1. *SEP sesam Hybrid Backup for Red Hat Virtualization*

1 Red Hat Virtualization, documents, whitepaper – SEP sesam's Backup and Disaster Recovery Capabilities for the Red Hat Ecosystem https://www.sepsoftware.com/solutions/redhat/

ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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In virtual environments, the SEP sesam agent runs on a host which connects to the central backup server via the Red Hat Virtualization API (application programming interface). The specific storage being used is transparent to the application. This establishes one point of communication for the entire system and enables agentless backup of the virtual machines. Using the live snapshot capabilities built into Red Hat Virtualization, consistent backups of virtual machines are assured without any downtime, even if they are in production at the time of backup.

The SEP sesam Hybrid Backup for Red Hat Virtualization solution works independent of storage or operating systems, not requiring any additional API. Its universal support for complex system environments strongly distinguishes the SEP solution from those of its competitors. Its ability to consolidate multiple backup systems to form a centrally administrable solution keeps business-critical data always available, and saves time, capital, and operating costs.

RED HAT VIRTUALIZATION

Red Hat Virtualization is a complete open-source virtualization solution, derived from the Red Hat Enterprise Linux® kernel, Kernel-based Virtual Machine (KVM) technology, and oVirt virtualization management projects. Built-in Red Hat Secure Virtualization (sVirt) and Security-Enhanced Linux (SELinux) safeguard the virtualized environment. Integration throughout the Red Hat software stack provides increased performance, security, and value when other products are added, like Red Hat OpenShift® Container Platform.

SEP AND RED HAT STRATEGIC ALIGNMENT

SEP has been a Red Hat ISV Advanced Partner for 15 years. SEP sesam is certified on Red Hat Enterprise Linux and Red Hat Virtualization. SEP sesam has also been certified by SAP for more than 15 years, including SAP HANA running on Red Hat virtualized environments.

CONCLUSION

SEP sesam Hybrid Backup for Red Hat Virtualization provides the following benefits:

- **Smaller backups.** The variable block-level data deduplication found in SEP sesam Si3 reduces the amount of storage required.
- **Faster recovery.** Bandwidth-saving SEP sesam Si3 replication for distributed environments along with SEP sesam disaster recovery modules ensure fast recovery of data and drastically minimize downtimes, saving time and money.
- **Quality engineering.** Over 25-years of German engineering experience and a deep understanding of GDPR compliance requirements has gone into the development SEP sesam.
- **Open source mentality.** With a similar development and delivery model, SEP sesam compliments Red Hat products in terms of licensing (subscription) and availability.

LEARN MORE

For more information, visit: www.sepsoftware.com or call +49 (0) 700 73772537.

ABOUT SEP

SEP is the developer of backup and disaster recovery solutions for the protection of cross-platform, heterogeneous IT environments. SEP has been developing and marketing enterprise data protection solutions since 1992. SEP has a strong partner network and relies entirely on resellers for its sales. Customers in more than 50 countries include top-tier universities, and market leaders in healthcare and the financial sector.