SEP sesam Hybrid Backup & Recovery

The ideal data protection solution for multi-hypervisor infrastructures

Safety

> There are only two types of companies:
> Those that have been hacked, and those that will be.
> .

Robert Mueller, FBI-Direktor, 2012

Content

- SEP AG

- Challenges IT security

- Requirements for IT security

- Data protection with SEP sesam Hybrid Backup

Locations

- Headquarters in Germany
- Boulder (USA)
- Amersfoort (NL)

Technical competence

- Powerful partnerships
- Large support matrix
- Easy installation

Great backup experience

- > 30 years SEP
- > 25 years SEP sesam

Best support reputation

- Extremly competent
- Praised by customers many times
- Confirmed by many awards
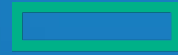
25+
Years of experience

1000+
New installations per year

50+
Countries use SEP sesam

STRATEGICAL PARTNERSHIPS

HYPERVISOR SUPPORT

SEP

VM Ware

- Agentless via vStorage API
- VSS
- Change Block Tracking
- vMotion, VMware HA
- Single File Restore
- Instant Recovery
- HotAdd, nbd(ssl), SAN
- Activation of VM after restore
- LAN-free backup
- Sandbox Restore

HyperV

- MS API
- VSS
- Single File Restore
- Live Migration
- CSV
- SMB 3.0
- Component Based Restore
- Single Host or Hyper-V Cluster

CITRIX XCP-ng

- Xen API
- VSS
- Native INC via CBT
- Single File Restore
- Single Host or Poolmaster
- Recovery on different host
- Restore via management LAN
- XenHost Metadata

Red Hat Oracle

- oVirt API
- Online Backup
- RHV host or Cluster
- DataMover as VM
- Granular Restore (complete VM, single virtual disks or meta data only)
- Single File Restore
- LAN-free backup

KVM

- libVirt API
- Qemu
- Online Backup
- Client on every host
- Single File Restore

OpenNebula

- Online backup via API
- Full backup von VMs

Proxmox

- Online Backup via API
- Full backup of VMs
- Clustered hosts
- Backup of LXC

NUTANIX coming 2021

UNIFORM LOOK & FEEL FOR BACKUP AND RESTORE IN GUI/UI

HIGHLIGHTS

SEP

Versatile Disaster Recovery

- Linux and Windows
- DR for backup server

Granular object restore

- Exchange
- Sharepoint

Efficient deduplication

- 4 patents
- variable block length
- Source and destination dedup
- Replication

Powerful scripting interface

- PRE/POST
- Command dates
- CLI
- REST API

Free choice at the backup server

- Windows / Linux
- Physical / virtual
- Cluster

Long versions support

- Multiple versions
- e.g. WinNT, Micro Focus
- 24x7 always included

Challenges IT security

- Force majeure

- Human and logical errors

- System failure

- Cybercrime

- Backdoors

- GDPR and adaptability

- Digitalization

- Heterogeneous environment

Requirements
Legal certainty through technical security

SEP

Key elements of SEP sesam

- Backup concepts
  - 3-2-1 rule and more
  - Low data loss --> RPO
  - Fast recovery --> RTO
- BSI compliant
  - No backdoors
  - Spyware free
- Encryption
  - Backup job and backup media
  - of the communication
  - of the data stream
- Access protection
- Efficient disaster recovery for Windows and Linux
- Monitoring and reporting

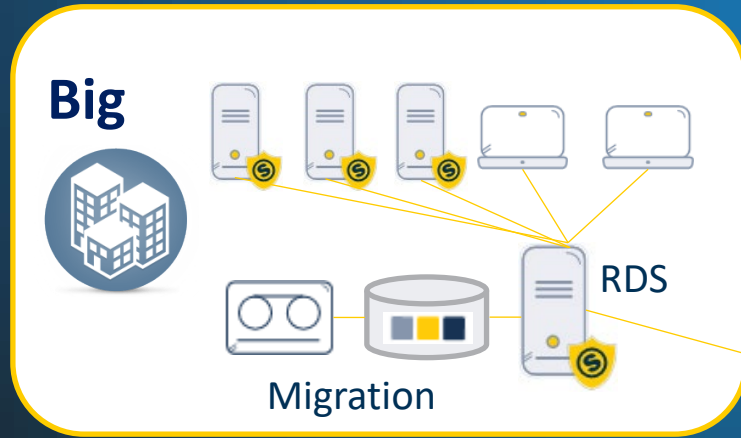# Future-proof data backup at Kindermann GmbH

"We are very happy to have found a suitable partner for our backup solutions in SEP. We appreciate the well-organized wiki. Even with more complex problems, such as an infection with crypto Trojans, SEP was there to help us in word and deed," says René Rügamer, IT administrator at Kindermann GmbH.
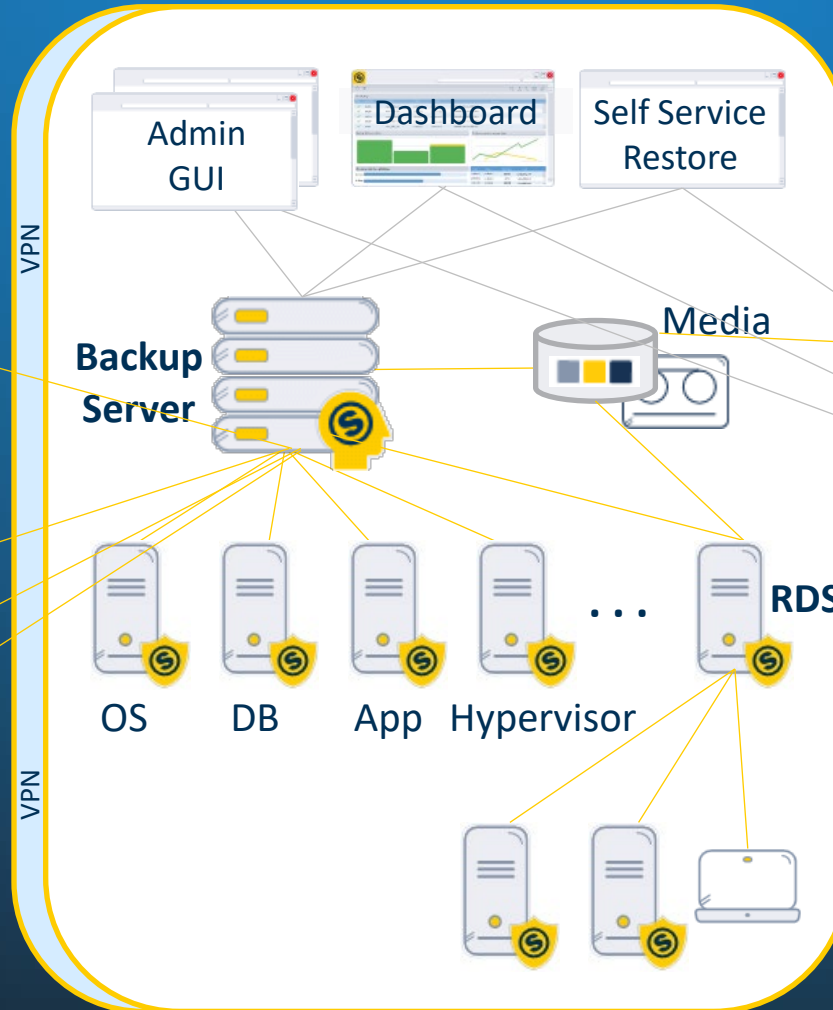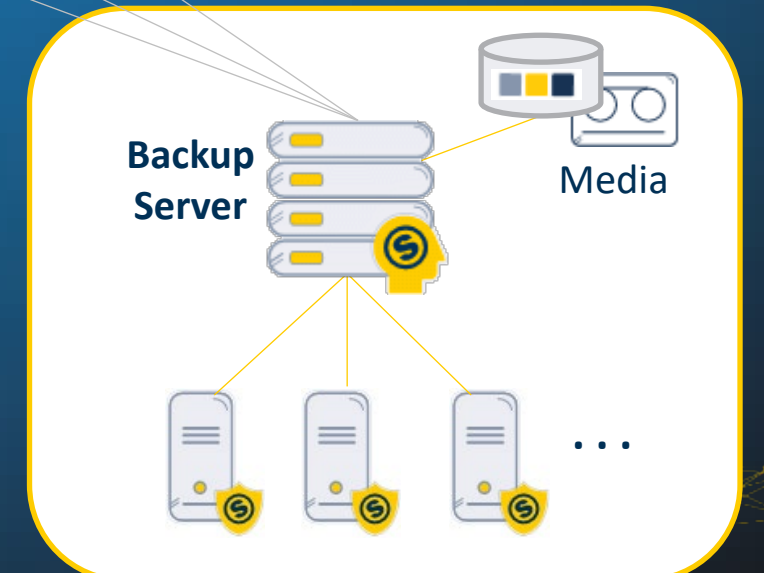
Read the success story

THE SEP sesam ARCHITECTURE
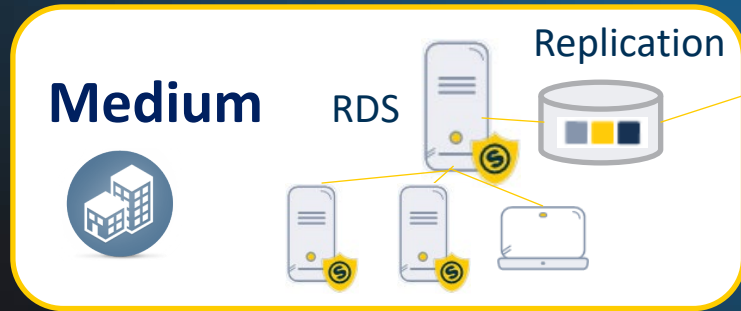
techconsult
Professional User Rating:
Security Solutions

Backup and Recovery 2021

*****

Champion
SEP
Microsoft
Seagate
Veritas
BackupAssist
Altaro
HPE
Veeam
Dell EMC
Paragon
IBM
NETGEAR
VMware
Acronis
Carbonite
TeamViewer
Avast
Baramundi
Axcient
Western Digital
Barracuda
Novastor
StorageCraft
Arcserve
NetApp

Performer
Balanced
Solution/Technology Excellence
Company Excellence
Solution/Technology Rating
Company Rating

- Leader in Backup & Recovery
- Independent user/customer survey

„Software Made in Germany"
Seal of approval from the German IT SME Association

SEP

- Sophisticated design
- Field-proven solutions
- Mature production processes
- Constant, inspiring innovations
- Competent customer service

Sources of information

30-day trial version incl. free support
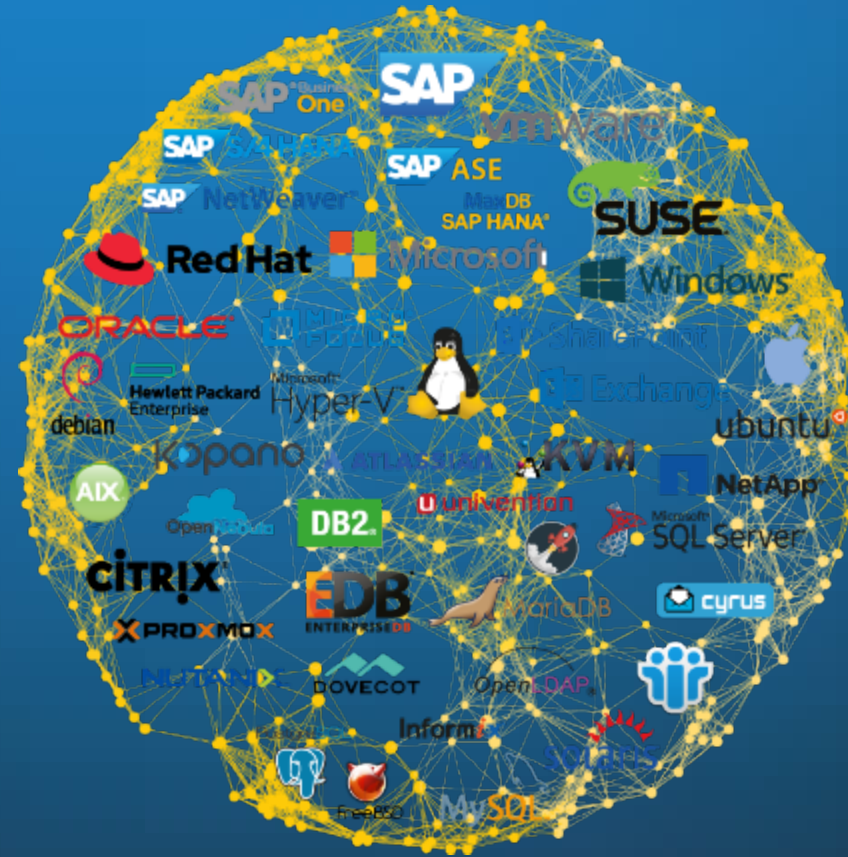
sep.de/download

SEP Wiki

wiki.sep.de

Success Stories

www.sep.de/resources/references/

Youtube Channel

youtube.com/sepsesam

Supportmatrix

sep.de/supportmatrix

protection**now**.
safe life**time**.

SEP

We are at your disposal for any questions!

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