COMMVAULT®

Backup & Recovery for SAP Environments

The use of SAP business software has become more and more pervasive in today's economic environment. Applications like SAP ERP are an essential component for many companies by driving business process automation and efficiency. SAP environments are typically mission-critical, large and complex, making data protection and availability a challenging task.

No matter if SAP runs on Oracle, IBM DB2, Microsoft SQL Server, SAP Sybase ASE, SAP MaxDB or SAP HANA databases, Commvault can provide the right SAP data protection solution while maximizing SAP availability, performance and automation, to make sure that service levels are met at all times.

SAP ON ORACLE

HIGHLIGHTS

INTEGRATED
Building on SAP's Backint for Oracle interface allows for tight integration with SAP BR*Tools along with scheduling and monitoring data protection jobs directly via SAP DB13 and DBACOCKPIT transactions

FAST
Leverage Commvault's advanced snapshot technology for low impact SAP HANA backups and rapid recovery

EFFICIENT
Minimize storage footprint through advanced deduplication. Streamlined creation of database copies and clones for creating/refreshing SAP test and development systems

AVAILABLE
Dramatically reduce recovery times of multi-terabyte SAP HANA deployments by using advanced snapshot-based restores. Flexible SAP HANA disaster recovery options through support of SAP HANA system replication and high availability setups

PERFORMANCE
Leverage snapshot-based backups to drive both backup window and application impact to zero

AUTOMATED
Script-free SAP data protection, restore and hardware snapshot management along with the ability to automate database recovery streamlines disaster recovery and daily operations

BENEFITS
Reduce full backups to once per week with incremental or differential backups and save on secondary storage cost. This allows saving of precious snapshot resources while preserving all RTO and RPO benefits.

As a committed SAP Partner, Commvault delivers certified SAP data protection solutions, which can be deployed quickly and seamlessly. It has never been easier to create SAP database copies for provisioning clones or for building and refreshing test and development system. The solution is tightly integrated with SAP

BR*Tools. However, all required SAP BR*Tools scripts are generated dynamically at runtime, eliminating the burden of script development and maintenance. Existing BR*Tools scripts can still be used as well as spontaneous backups and restores from command line can be run at any time.

FASTER RECOVERY
By integrating with Commvault's leading IntelliSnap technology, the recovery time of critical SAP systems can be reduced dramatically, allowing you to meet even challenging Recovery Time Objective (RTO) requirements. Full backups only take minutes to create allowing multiple recovery points per day. Selected snapshots can be mounted on a separate proxy host and copied to tape or disk for redundancy or long term retention – automated and without any SAP application impact.

REDUCE RISK
Intelligent, threshold-based SAP archive log management eliminates the risk of SAP downtime caused by 'archiver stuck' conditions. Creating de-duplicated redundant backup copies allows for disaster recovery preparation. Disaster recovery tests can be automated to run periodically to make sure that disaster recovery plans always work when they are needed.

BENEFITS
- Leverage full automation of SAP data restore and recovery processes, including full and point-in-time recovery

- Restore granularity from full database to tablespace, and down to a single data file, control file or archive log

- Easy-to-use solution which empowers the backup admin to take over routine SAP data protection and recovery tasks

- Monitor status and progress of running SAP backup and restore jobs via linked BR*Tools detail file

- Script-free SAP protection and hardware snapshots takes away the scripting burden from SAP and storage administrator and minimizes chance of human error

- Support for mixed mode SAP backups where the database is snapped and archive logs are backed up traditionally. This allows to save precious snapshot resources while preserving all RTO and RPO benefits

- Support for backups and restores in Oracle RMAN mode, allowing for incremental backups

- Ability to verify backups using SAP BR*Tools or Oracle RMAN functionality

- Built-in support for consolidating database backups and archive logs on a single medium for enabling long retention backups

- Recover SAP systems in minutes rather than hours based on advanced storage snapshots

SAP® Certified
Integration with SAP NetWeaver®

SAP HANA

INTEGRATED

Building on SAP's Backint for HANA interface allows for tight integration with SAP HANA Studio and SAP HANA Cockpit

FAST

Leverage Commvault's advanced snapshot technology for low impact SAP HANA backups and rapid recovery.
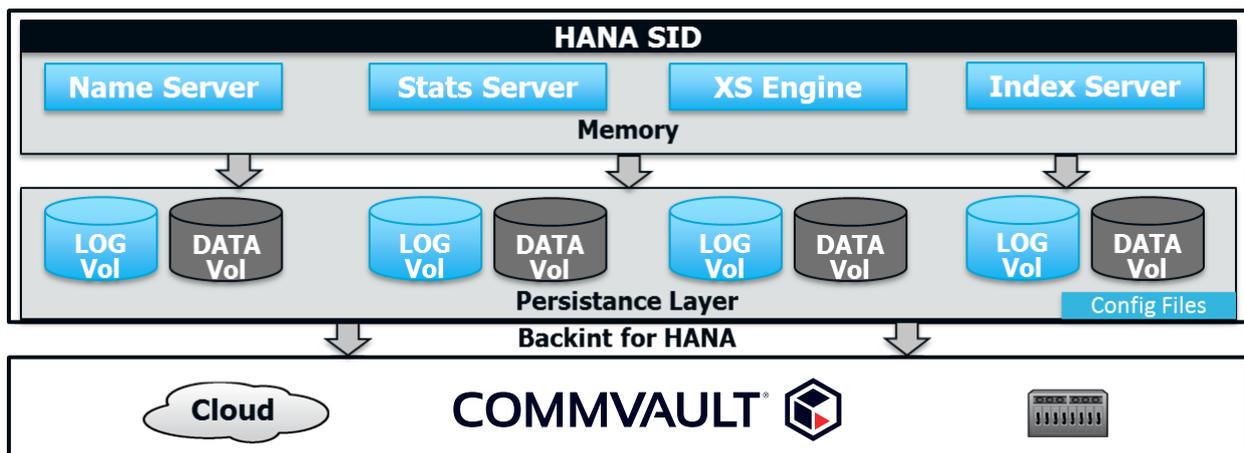
EFFICIENT

Minimize storage footprint through advanced deduplication and compression. Streamlined creation of SAP HANA database copies and clones for creating/refreshing test and development systems

AVAILABLE

Dramatically reduce recovery times of multi-terabyte SAP HANA deployments by using advanced snapshot-based restores. Flexible SAP HANA disaster recovery options through support of SAP HANA system replication and high availability setups.

As a committed SAP Partner, Commvault provides a certified SAP HANA data protection solution that is tightly integrated with SAP HANA and is designed for universal protection. Not only standalone SAP HANA deployments, but also SAP Business Suite Powered by HANA and SAP S/4 HANA environments can be protected effectively. HANA can run in scale-up and scale-out setups; the solution is independent of the underlying hardware platform (Intel x86 or IBM Power).

Alongside with safe-guarding HANA's data, Commvault also supports creating and refreshing HANA database copies which is ideal for effective management of SAP HANA landscapes consisting of production, development and test systems and for creating clones. However, this functionality can also be leveraged in a disaster recovery scenario when it is important to rebuild the HANA production system quickly in a disaster recovery location.

BENEFITS

- Reduce full backups to once per week with incremental or differential backups and save on secondary storage cost. This also allows for quicker SAP HANA recovery due to reduced roll-forward time.

- Backup and recover SAP HANA Multitenant Database Containers individually

- The ability to de-duplicate and compress SAP HANA backups, effectively reducing the storage footprint

- Redundant, de-duplicated backup copies can be easily created via low-bandwidth network connections for supporting disaster recovery plans

- Encrypt SAP HANA backups in transit and at rest for enhanced security in public networks

- Effective multi-streaming to significantly accelerate SAP HANA backups and restores

▶ **RESOURCES**

1 http://commvau.lt/1MWHa69

SAP Partner   **SAP® Certified**
Integration with SAP HANA®

▶ Consolidating SAP backup, availability, and archive data has never been easier with Commvault software. Learn more at **commvault.com/sap**.

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