commvault® *solving forward®*

Modern Protection and Recovery for Oracle® Database Environments with CommVault® Simpana® 10

Highlights:
Recover Oracle environments faster and easier without creating and managing scripts or learning numerous administrative tools.

1. **Recover Oracle, Oracle RAC, Oracle ASM and Oracle Data Guard environments** with near-zero production impact using application consistent, cataloged snapshot copies and open systems storage.

2. **Achieve service levels more readily and reliably** using flexible, granular recovery options for individual tables, databases, and entire applications; even out of place database restores for clone copies.

3. **Ensure reliable protection without administrator** involvement with autodiscovery and backup for new Oracle databases**.**

4. **Enhance efficiency and slash backup windows** using integrated deduplication and tiering of backup data to any storage, including disk, tape and the cloud.

5. **Ensure data coherency** with corrupt block detection during backup and corrective RMAN Block Recovery capabilities.

6. **Drive productivity** by spending less time troubleshooting, gaining clear insights, and managing your Oracle protection operations proactively, with integrated reporting and analytics**.**

Keep Your Business Running with Less Complexity

CommVault, an Oracle Gold Partner, offers flexible, enterprise-class Simpana® data protection software for Oracle database systems that simplifies and automates many of the tasks associated with managing Oracle backup and recovery. By deploying single-platform Simpana 10, Oracle databases and mission-critical business applications can be protected efficiently and within minutes. Whether your configuration is single instance, real application clusters or Exadata, the ability to protect the database as a cold backup, hot backup of full RMAN or streaming backup is fully supported, as is integration with RMAN catalog. DBA's can locate, recover and restore databases from backups that are stored in the cloud, on deduplicated disk or on tape using native RMAN commands.

If the database is provisioned on a storage architecture that is snapable (copy-on-write, or deferred write) or cloneable, then Simpana software can help you automate and improve recovery speed, duplicate a database and quickly build an Oracle standby database. It can seamlessly coordinate putting the Oracle database in hot backup mode, interfacing with the storage array to snap or clone then removing the database from hot backup mode. The subsequent snap or clone can then be mounted on a proxy host, all while minimizing impact on the production application. You can have flexible protection options because you can mix RMAN streaming backups with storage array snapshots for clones of the same database.

Boost productivity and efficiency while shrinking risks by leveraging automated, application-consistent hardware snapshots. You can reduce both the cost and risk for your business-critical data while improving productivity thanks to Simpana software's deep integration with Oracle database. Built on a single, modern software platform, Simpana 10 replaces legacy approaches – a collection of fragmented, expensive third-party tools, hardware, and appliances – that impact operational efficiency, are costly, and leave you at risk.

Benefits of Integrating Simpana software in your Oracle Environment:

- Leverage flexible recovery scenarios to meet your needs, including full database recovery (to a specific point-in-time or SCN—System Change Number), individual Tablespace, database table restore and database file
- Shorten the time required to fully recover a database with the ability to make synthetic full backups. After an initial full database image backup, incremental backups are automatically applied to the full database backup
- Deliver management flexibility and efficiency by initiating Simpana software backup processes from within Oracle OEM Grid Control, third party schedulers, or command line – as well as from the Simpana software scheduler
- Auto-discover and backup new Oracle databases to ensure reliable protection without administrator involvement
- Reduce troubleshooting time, gain clear insights, and manage your Oracle protection operations proactively with integrated reporting on Simpana trends, utilization, success rates and a host of other parameters designed to simplify data management
- Eliminate redundant data at the source with network efficient, global deduplication
- Create high speed recovery and secondary copies with no Oracle host impact while protecting Oracle databases on Windows, Linux or UNIX in a consistent manner. Produce snapshots and backups from a snapshot through Simpana IntelliSnap™ hardware snapshot management operations that are then cataloged in RMAN
- Benefit from mixed mode support for streaming log backups and snapshots of database files to be intermingled seamlessly for restoration
- Reduce complexity and speed protection by eliminating duplicate processes with IntelliSnap™ integrated Oracle Log management
- Ensure data security with built-in ecryption and role-based access, alerting and reporting as part of the Simpana single platform

Simpana software is designed for fast, easy deployment, and the tight integration of Simpana 10 and RMAN helps minimize and eliminate recovery failures, significantly improves backup and restore performance, and minimizes reliance on scripting.

KEY CAPABILITIES AND BENEFITS

Single Platform Data & Information Management Solution	Ensure that important features like Backup, Recovery, Replication, Archiving, Search and Reporting work seamlessly together with encryption and deduplication through a single software code base to reduce cost, improve reliability, and increase operational efficiency.
Central Management	Securely protect, manage and access information through a single console wherever it resides; be it mobile workstations, remote offices, data centers, a recovery site, or multiple cloud storage providers. Simpana software is the industry's only truly unified data management platform that reduces management complexity and helps meet your Recovery Time Objectives.
Tiered Storage	Optimize your overall data management approach according to performance, solution cost and data value. No matter how you tier your storage, you can be assured of automated, policy-based movement, rapid, granular recovery and Enterprise Search capabilities.
Rapid, Granular Recovery	Recover and access data wherever it resides, including directly from any tier to any target system from an online snapshot. One snapshot enables database, datafile, and archive log restores. Simpana 10 allows you to browse across multiple snapshots / backups at a granular object level. IntelliSnap™ technology enables snapshot managementand restore across the broadest storage array compatability matrix without custom scripting, plus you can minimize production system impact with built-in proxy capabilities for indexing, backup generation (including deduplication and encryption), granular access and recovery.
4th Generation Deduplication	Leverage source and target-based, global deduplication to significantly reduces complexity, costs and overall storage and network usage for backup and archive data including the ability to dedupe to and recover from the cloud and tape. Scale from small, individual deduplication nodes up to large, multi-node databases with embedded, 4th generation, grid-based architecture deduplication. You can efficiently protect data in remote offices, data centers, and disaster recovery sites with a single, global solution.
Simplified Cloning and Restore	Simpana software offers flexible, schedulable one-step options on NetApp® arrays for cloning and refreshing Oracle databases, using alternate disk and alternate Oracle nodes. Simpana 10 is also integrated with RMAN to enable restored data to be connected to an alternate Oracle database node. This dramatically simplifies the process of creating duplicate copies of Oracle data, for testing, staging and for other operational purposes.
Capacity Licensing	Pay for what you protect, no matter how complex the environment and software agents required. This dramatically simplifies the way you pay for data protection and retention. Simpana 10 also provides unprecedented visibility and ease of management through graphic dashboardsand customized reports. Because Simpana software is developed on a single code base, it is a simple matter to add capabilities that include content indexing, search, and eDiscovery.
Comprehensive Reporting	Focus efforts on high priority activities. Simpana reporting allows you to quickly identify the status of your data protection environment, where hot spots may be developing, or where resources are being consumed.
Consulting and Professional Services	Augment staff, train your team, or simply find solutions to unexpected problems. CommVault works closely with customers and partners to enable right size / right cost options that enable Simpana solutions and minimize Time to Value.