

ORACLE DATABASE BACKUP LOGGING RECOVERY APPLIANCE

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KEY BENEFITS

- Eliminates backup windows
- Enables restore to any point-in-time
- Prevents data loss
- Enables autonomous tape archival
- Scales efficiently

Today's solutions for protecting business data fail to meet all the needs of mission critical databases. They fail to ensure that no business data is lost, end users are not impacted, and deployments are simple and centralized. The Oracle Database Backup Logging Recovery Appliance, the industry's first engineered system for database protection, addresses these challenges head-on. Designed to provide the highest protection for Oracle Databases, this appliance delivers near-zero data loss data protection, minimal impact to end users, and a modern cloud-based architecture.

Today's Database Backup Problems

The fundamental problems with today's database backup approaches center around:

- Longer backup and recovery windows due to non-stop growth of databases
- Extended production server overhead and impact
- Data loss exposure relative to the last backup
- Poor visibility into the end-to-end backup lifecycle, leading to
- Failed backup and recovery operations, and
- Inability of backup solutions to effectively scale across 100s-1000s of databases in the enterprise

Backup solutions today fail to address these problems since databases are treated as just more physical files to copy. This is no more evident than with deduplication backup appliances – in order to get effective deduplication ratios on the appliance, regular full backups are required, a practice which flies completely against the goal of reducing backup windows and system impact.

Introducing the Oracle Database Backup Logging Recovery Appliance

As Oracle databases store and manage the most business-critical data, they deserve a backup solution specifically engineered to fully protect the data in an efficient, optimized manner, fully addressing the aforementioned problems. The upcoming Oracle Database Backup Logging Recovery Appliance meets this need by offering the highest levels of protection, performance, and backup storage efficiencies for all your Oracle databases, across all supported versions and platforms. This appliance takes a revolutionary new approach to Oracle Database protection.

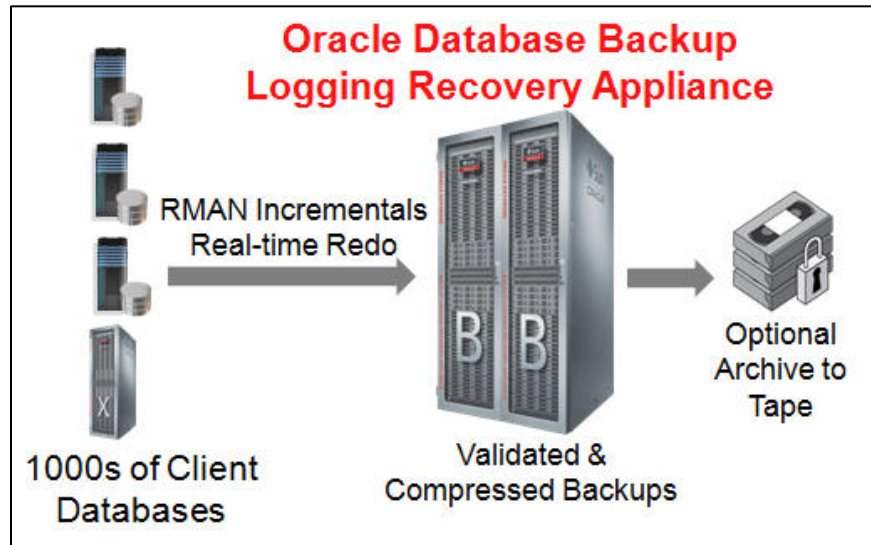


Figure 1: Oracle Database Backup Logging Recovery Appliance Environment

“We envision the Oracle Database Backup Logging Recovery Appliance to be a valuable addition to our enterprise backup solution. With Oracle Database Backup Logging Recovery Appliance, the database backup process is dramatically simplified, with much shorter backup windows. More importantly, performing a restore and recovery is simple quick, and efficient. The incremental-forever backup strategy, end-to-end backup validation, and deduplication are all taken care of behind the scenes, resulting in much greater ease of use, backup integrity, and storage efficiency than today's backup approaches.”

- Shanthy Sivadasan,
Database Services Manager,
Wellcome Trust Sanger Institute

Eliminates Backup Windows

With the Oracle Database Backup Logging Recovery Appliance, customers simply run Recovery Manager (RMAN) in an incremental-forever strategy – that’s it. No more recurring full backups, no more tape backups, no more RMAN backup deletion and validation commands on the production server. All expensive backup workloads are offloaded to the appliance, where dedicated hardware and storage handle these tasks in the most efficient manner.

Enables Restore to Any Point-in-Time

Each incremental block received is validated, compressed, and then indexed as part of a new virtual full backup, which appears as a normal full backup in the RMAN catalog. Essentially, this means validated full backups are now available at any point in time, without ever incurring the cost of running full backup operations.

Prevents Data Loss

As backups go, you are only protected up to your last backup – in the event of a full restore and recovery operation, any changed blocks and archived logs not backed up result in some amount of data loss - sometimes hours and in some cases, even days.

The Oracle Database Backup Logging Recovery Appliance completely changes this paradigm by supporting the reception of real-time redo blocks from all the 100s-1000s of databases across the enterprise, dramatically reducing data loss exposure from hours/days to sub-seconds.

Enables Autonomous Tape Archival

Optional tape integration sends backups directly from the appliance to tape, offloading resource intensive full-backup-to-tape operations from production database servers. This also increases efficiency and reduces costs by enabling tape systems to be used 24 x 7 instead of only during off-peak backup windows.

Scales Efficiently

Built on a massively scalable architecture, the Oracle Database Backup Logging Recovery Appliance enables users to expand capacity seamlessly to petabytes of storage, with no downtime.

Secures Enterprise Data

The ability to replicate change data in real-time to another Oracle Database Backup Logging Recovery Appliance, along with end-to-end data validation, protects business critical data from site disasters or software/hardware malfunctions.

Achieve the Highest Levels of Oracle Data Protection

The Oracle Database Backup Logging Recovery Appliance redefines the database backup landscape with an innovative, never-before-seen approach to data protection.

Create a massively scalable repository that records all delta changes across 100s-1000s of databases, with the ability to recover any database to any point-in-time or within sub-seconds of the current time in the event of a disaster. Add in autonomous tape archival and appliance-to-appliance replication to protect against site disasters, along with end-to-end data validation to ensure that data can be successfully recovered at any given time. Then, manage this entire infrastructure in a centralized manner, providing administrators end-to-end visibility into the state of data protection, from databases to disk to tape and replica.

The Oracle Database Backup Logging Recovery Appliance – coming soon to an enterprise data center near you.

Contact Us

For more information about the Oracle Database Backup Logging Recovery Appliance, visit oracle.com/databasebackupappliance



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