

The IT Leaders' Guide to Eliminating Oracle Database Data Loss

With Business-Critical Data,
Recovery is Everything.

Your enterprise runs its critical applications on Oracle Databases, and as an enterprise IT leader, maintaining the performance and availability of your databases is among your top priorities. Any degradation in performance or loss of data could result in serious business disruption and loss of revenue, so protecting this vital asset is a must. There are many causes of data loss—administration errors, system or media failures, cyberattacks, and more—but we often overlook design flaws in the very systems meant to protect data: general-purpose backup systems.

Many existing data protection solutions fail to meet the demands of critical databases because they treat them as generic files to copy as opposed to specialized resources. Taking a generic approach to database backup and recovery not only exposes you to the risk of data loss, it also negatively impacts performance and makes it difficult to recover within acceptable timeframes.

Oracle's Zero Data Loss Recovery Appliance (Recovery Appliance) has been developed by Oracle for the specific purpose of protecting Oracle Databases. It sets a new gold standard for database backup and recovery. Who better to trust with your most valuable business assets than the same development team who designed the database itself?

“ With Oracle's Zero Data Loss Recovery Appliance, we eliminate data loss in the event of system failure. We have reduced our data recovery time 8x, and our Oracle Database backup time 32x, which enables us to provide maintenance, repair, and overhaul services to our customers without delays. ”

Eyad Al-Sahli, Head of Information
Technology Department, AMMROC



Removing the risk of Oracle Database data loss.

Recovery Appliance gives you the confidence that your databases are fully recoverable to any point in time. And because it integrates tightly with Oracle Database, it protects every database transaction, delivers deep levels of data validation, and alerts you to any potential problems.

Using an incremental-forever backup technique based on real-time redo transport technology, it protects ongoing transactions and delivers a sub-second recovery point objective (RPO) to prevent potential gaps in database data protection. As a result, you can virtually eliminate exposure to the risk of data loss.

And as Recovery Appliance tracks all of these changes, it creates a point-in-time map, so it's able to deliver back to you a recovery-ready database. This results in rapid and granular recovery to the time you specify.

Oracle's Zero Data Loss Recovery Appliance is the world's first engineered system designed specifically for Oracle Database protection.

Boosting your IT performance and agility.

Recovery Appliance eliminates the impact backups usually have on business-critical workloads by offloading practically all backup-related processes. These include time-consuming backup deduplication, deletion, validation, and maintenance operations. As a result, your protected databases carry out the minimum possible backup-related work, helping to eliminate the typical 25 percent performance degradation of your Oracle Databases and production systems. And by efficiently sending only database changes, it can cut backup times by as much as 90 percent, eliminating backup window constraints entirely.

Recovery Appliance consolidates all peripheral backup and archive processes, including disk backup, tape backup, and even remote replications, so you have a single management framework for all of your database copies. As a result, database administrators

can use their existing Oracle Enterprise Manager skills to operate Recovery Appliance. This means you can keep your specialist IT resources free to focus on more valuable tasks.

Traditional backup and recovery solutions place a 25 percent performance tax on production servers. With Recovery Appliance, production systems do what they are meant to do—sustain high performance for critical applications.

With its advanced storage monitoring and reporting features, Recovery Appliance enables your database administrators to manage current and future throughput, and plan capacity requirements effectively. So you can be confident that with Recovery Appliance your backup and recovery strategy improves your agility and makes your organization more efficient.

Cutting the cost of backup and recovery.

Recovery Appliance integrates tightly with Oracle Database and enables you to easily scale at cloud levels, to protect thousands of databases across your enterprise. With policy-based automation and detailed visibility, it delivers greater levels of recovery success and helps cut your management overhead.

And because it consolidates the management of disk and tape backup, and remote replication, you can protect the full data lifecycle, use less higher-cost storage space for long-term data protection, and simplify your IT operations.

Recovery Appliance reduces backup and restore costs by minimizing the amount of storage, networking, and management needed to protect Oracle Databases.





Giving you the confidence your business needs.

Applications running on Oracle Databases are critical to the success of your organization. Downtime can be costly—estimated to average US\$9,000 per minute. Recovery Appliance accelerates data backups and restores by as much as 10 times, eliminating data loss exposure and saving you time, effort, and the stress of getting your business back online when you need it most.

Put simply, Recovery Appliance removes the drama, when recovery is everything.

// We replaced Data Domain...with Oracle's Zero Data Loss Recovery Appliance to enable real-time incremental backup and restore of more than US\$850 million in monthly credit card transactions without data loss. We have also reduced average backup size by 30x and increased backup capacity by 65 percent. //

Iljoon Lee, Senior Manager, IT Team, KEB Hana Card

Learn more about Recovery Appliance.



Watch this video:
[A Better Way to Protect Your Critical Oracle Databases.](#)



Check out this [interactive customer infographic](#) to discover how Recovery Appliance eliminates the risk of data loss.



Visit our [data protection resource center](#) to explore how your enterprise can improve its risk profile.

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