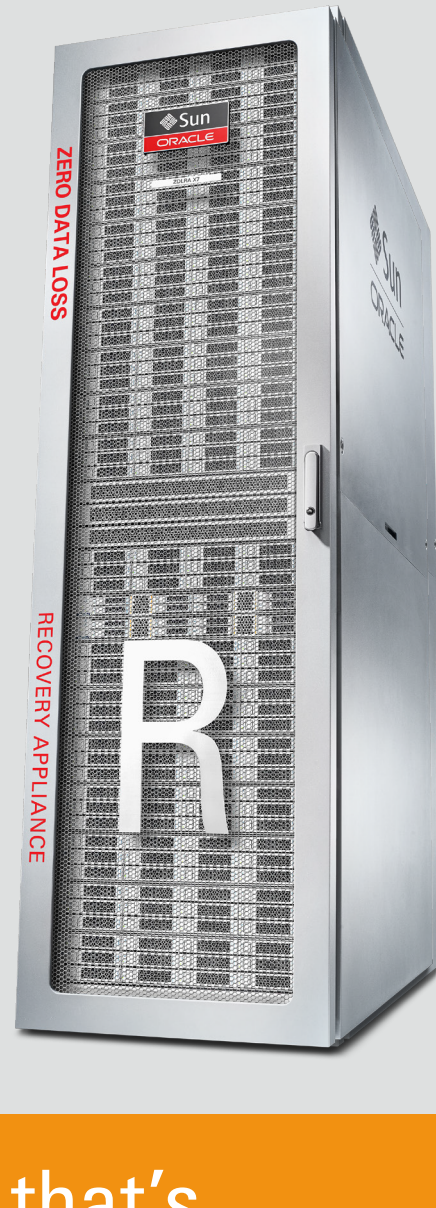


Just the Facts

Zero Data Loss Recovery Appliance

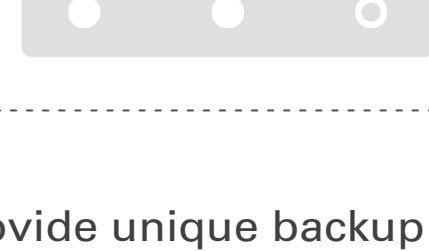


A groundbreaking data protection solution that's developed by the Oracle Database team as an extension to the database. It's completely integrated with Oracle Database to eliminate loss exposure without impacting production database environments.



Delivers continuous protection for critical databases while offloading backup processing like validation from production servers to minimize overhead.

Massively scalable, allowing a single appliance to handle the data protection requirements of thousands of databases throughout an enterprise.



Engineered with Oracle Database to provide unique backup and recovery performance, efficiency, validation, and automation capabilities that are not available on other systems.

KEY CAPABILITIES

- Continuous database protection with sub-second RPO
- Rapid recovery to any point in time
- Shorter backup windows and less overhead on production database servers
- Appliance-based, database-aware end-to-end backup validation
- Continuous monitoring of database recoverability with alerting and reports
- Optimized support for Oracle Exadata and non-Oracle database servers
- Less storage capacity required for protecting encrypted databases
- Autonomous tape archival with no load on production systems
- Out-of-the-box support for Oracle Database 10gR2 to Oracle Database 18c
- Integral part of Oracle's Maximum Availability Architecture (MAA)



BUSINESS BENEFITS

Oracle's Zero Data Loss Recovery Appliance redefines the database protection landscape with an innovative, never-before seen approach that:

Eliminates Data Loss Exposure

Unique database integration enables continuous logging of redo data directly to the appliance, providing real-time protection for the most recent transactions so that databases can be restored without data loss.



< 1 second
recovery point objective



Ensures Backup Recoverability

Database-aware validation of
100%
of backups

Database blocks are continuously validated by the Recovery Appliance with no overhead on production database servers, and stored results are periodically revalidated and any potential errors corrected using self-healing technology to eliminate potential data corruption.

Rapidly Recovers to Any Point in Time

When a recovery is requested, the Recovery Appliance accelerates the typical recovery process by automatically creating a "Virtual Full Backup" for the requested recovery point in time, and eliminating up to 75% of the steps a DBA typically must take to recover the database.



Up to 10x
faster database recoveries

Consistent, policy-based data protection across the enterprise



Improves Consistency of Database Protection

The Recovery Appliance enables the implementation and consistent application of policy-based Data Protection-as-a-Service throughout your organization, and it automates the monitoring of the recoverability of these databases.

Protects Against Disasters

The Recovery Appliance helps protect against natural and man-made disasters by replicating data in real-time to remote Recovery Appliances and regularly archiving backups to tape. If a disaster, error, or cyberattack occurs, data can be recovered from any Recovery Appliance that has a copy of it.



100%
of protected databases continuously monitored for recoverability

Shorter backup windows and up to 25% less overhead on database servers

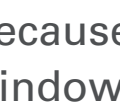


Accelerates Database Processing and Increases the Value of Database Licenses

Production database servers run faster for longer periods of time because the Recovery Appliance shrinks backup windows, and reduces database server overhead during those windows by offloading backup validation. As a result, existing database systems are more efficient and customers can do more with the software licenses and systems they already have.

Reduces Complexity and Cost

Because the Recovery Appliance offers high-performance and scale-out capabilities, a single system can be used to protect Oracle Database information across your enterprise. As a result, you will have fewer backup systems to buy and manage, DBAs will be free to work on critical activities that enhance corporate value, and your total cost of management will decline – potentially saving you millions of dollars.



Cloud-scale architecture with
70x
throughput and
80x
capacity scalability

INDUSTRY EXPERT PERSPECTIVES

From an architectural and business case points of view, Wikibon believes Oracle has hit a home run with the fundamental architecture of the Oracle Recovery Appliance. Clearly the IT and Business financial savings and IRR are superior for the Recovery Appliance compared to a storage-based backup appliance. Migrating to the Recovery Appliance – even the CFO will smile.

[Read the Wikibon Report](#)

ESG Lab confirmed that when customers choose the Zero Data Loss Recovery Appliance from Oracle, they get the peace of mind that comes from knowing their up-to-date backups are ready to go.... The Zero Data Loss Recovery Appliance is a game changer for Oracle environments...it easily scales as your production environment grows, takes the guesswork out of recoverability, validates data end-to-end, and enables recovery to any point in time with sub-second RPO.

[Read the ESG Lab Validation Report](#)

CUSTOMER PERSPECTIVES

GE AVIATION

Eliminated data loss exposure, cut average recovery times from 20 hours to as low as 2 hours, improved cloning for development and test from days to hours, and runs Oracle E-Business Suite up to 5x faster on a complete Oracle Engineered Systems stack.

[Watch the Video](#)

AMMROC

"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

[Read the Story](#)

SAIGON COMMERCIAL BANK

"We selected Oracle's Zero Data Loss Recovery Appliance over Data Domain because only Oracle could offer the incremental-forever backup feature, enabling us to virtually eliminate data loss exposure and ensure data security."

– Le Minh Huan, CIO, Saigon Commercial Bank.

[Read the Story](#)

View the [Interactive Customer Infographic](#) for more results

FOR MORE INFORMATION



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Integrated Cloud Applications & Platform Services

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