

# Modern Oracle Database Workloads with Everpure

Eliminate bottlenecks, accelerate Oracle 26ai workloads, and reduce infrastructure risk with a unified as-a-service platform that is simple to deploy, run, and manage.

As organizations begin to adopt Oracle AI Database 26ai, evaluating whether their data platform can continuously support evolving AI-driven and data-intensive workloads is becoming a priority. While tools like AutoUpgrade simplify the database process, infrastructure remains a primary source of risk. Teams must balance modernization with maintaining performance, availability, and operational stability. Yet legacy storage in their Oracle environments often introduces planned downtime, complexity, and unpredictable costs. Rather than treating modernization as a one-time event, organizations need a platform that enables continuous change without disruption while consistently delivering the performance and operational assurance required for mission-critical Oracle environments.

## Storage and data management challenges for modern Oracle workloads

When people talk about improving Oracle database performance, the spotlight usually falls on compute and memory. Storage and data management are pieces of the puzzle that often get ignored, yet they're frequently the silent bottleneck that holds everything back.

In a busy Oracle database environment, transactions are constant and queries run nonstop to meet business expectations. But behind the scenes, many of these systems are still running on traditional storage architectures that simply weren't built for today's demands. As workloads become more diverse, organizations start seeing the impact. Latency increases, throughput suffers, and managing everything becomes more complicated than it should be. On top of that, as database volumes grow, so do the physical space and energy requirements. Without an efficient storage solution, organizations struggle to reduce their data center footprint while maximizing performance.

And the problems don't stop with performance. Legacy storage tends to be complex, requires more manual tuning, and often lacks high availability options. That puts more pressure on IT teams, slows down access to insights, and increases the risk of outages. When data is lost or systems go down, it can seriously affect business operations and customer trust. Even backup and restore processes can become a major pain point. They take too long, require too much manual effort, and make it harder to meet recovery objectives.



### Consistent performance at scale

Avoid performance surprises with consistently low latency and sustained throughput across mission-critical Oracle workloads.



### Simplified operations

Replace fragmented tools and manual processes with policy-driven automation for consistent operations.



### Always-on Oracle database availability

Keep mission-critical database workloads running without disruption, with zero planned downtime and strong SLAs.

These challenges become even more pressing with Oracle 26ai. This release brings powerful new features like vector search, retrieval-augmented generation (RAG), and improved hybrid-cloud capabilities. These features are designed for advanced applications that rely on speed, scale, and constant access to data. But they also place heavy demands on the underlying data storage infrastructure. When AI-powered workloads, real-time transactions, and large volumes of data all hit the same system, traditional storage just can't keep up. The results are slow performance, limited scalability, and growing frustration for both users and infrastructure teams.

To truly get the most out of Oracle database environments, organizations need a modern storage platform that not only keeps pace with what's next but also drives broader business outcomes.

## Accelerating Oracle database environments with the Everpure Platform

The Everpure™ Platform provides a single, intelligent storage and data management environment. It brings data together, automates control, and reduces risk across the entire Oracle estate. Block, file, and object storage come together in a single data layer so control stays centralized. Policies are defined once and applied everywhere. Core capabilities like protection, security, and performance are built in, not bolted on later. It's a unified platform designed to run data consistently across on-premises, cloud, and hybrid environments. The goal is to reduce operational effort and long-term cost, lower risk, and make it easier for teams to support what the business needs today without limiting what comes next.

Rather than relying on disruptive refresh cycles and fragmented systems, the Everpure Platform supports nondisruptive change through Evergreen® Architecture. There's no downtime, data migration, or forced rearchitecture. Storage operates as a pooled resource rather than a collection of systems, allowing scale, density, and efficiency to increase without expanding footprint or cost. Progress doesn't require refresh cycles, rebuys, or periodic resets. Automation and intelligent workload management further simplify operations. With policy-driven control through Everpure Fusion™, teams can standardize provisioning, protection, and scaling across environments, reducing manual effort and improving consistency.

The result is a resilient, simplified, and future-ready foundation that empowers organizations to scale modern Oracle workloads with confidence.

### Maximized, consistent performance with a minimal footprint

As part of the Everpure Platform, FlashArray™ delivers high performance at any scale for Oracle database environments, while FlashBlade® supports high-throughput backup and restore. The latest generation of FlashArray//XL™ delivers up to 3X IOPS per rack unit compared to similarly configured competitive systems and reduces storage footprint for AI vector embeddings by up to 50%.<sup>1</sup> FlashArray//X™ supports a broad range of general-purpose Oracle workloads with strong performance and efficiency, while FlashArray//C™ offers cost-effective, high-capacity storage for backups, archives, and capacity-heavy use cases.

### Operational simplicity

Infrastructure teams can eliminate Oracle storage silos with a simple data management experience across all workloads, whether on premises, in the cloud, or in hybrid environments. Everpure enables seamless data mobility—including snapshot replication across arrays or to the cloud—while maintaining consistency, integrity, and availability. With Everpure Fusion, teams can easily scale and manage their global Oracle storage with policy-driven automation and intelligent workload placement.

Everpure supports management via GUI, REST APIs, and third-party tools, enabling alignment with your organization's workflows and scalability requirements.

Everpure snapshots also provide versatility to managing Oracle data. Infrastructure team members can recover data by restoring the original volume or they can overwrite that data, create copies on new volumes, replicate asynchronously to another array, or offload to object storage for long-term retention. These snapshots simplify data management, enhance recovery options, and support flexible, scalable storage practices for Oracle environments.

## Protect Oracle data and end planned downtime

The Everpure Platform can help teams protect their critical Oracle data with always-on encryption, always-on logging, industry-leading reliability, and robust replication capabilities, ensuring unmatched uptime, availability, and SafeMode™ protection. With Evergreen, teams can also benefit from proactive updates and nondisruptive upgrades that keep their storage infrastructure modern, secure, and resilient, providing predictable access and safeguarding Oracle data against disasters or breaches without downtime or unexpected costs.

Everpure can also reduce backup and recovery times with minimal overhead and bandwidth requirements. Teams can combine Everpure snapshots with native, database-level features to quickly restore and meet the most stringent recovery point objectives. They can also replicate Oracle to other arrays with ActiveCluster™ and ActiveDR™. ActiveCluster also enables nondisruptive workload migration between arrays, allowing teams to decouple database operations from underlying storage maintenance. Both features can be combined with native platform and/or database-level availability features to further enhance resiliency. Additionally, FlashArray provides SLA guarantees of 99.9999% uptime and zero planned downtime.

## Control costs and fuel ongoing savings

The Everpure Platform delivers enterprise-grade data services with no additional licensing or complexity. This includes industry-leading data reduction technologies like inline deduplication and compression, which allow organizations to store more data in less physical space. The result is greater storage efficiency, lower energy consumption, and significant cost savings.

Available as a fully managed service, the platform also replaces best-effort promises with guaranteed performance, availability, and efficiency. Teams consume a platform aligned to business needs without owning or operating hardware. Capacity scales on demand, costs stay predictable, and the experience mirrors the public cloud wherever it runs.

## Additional resources

- Learn more about [Everpure solutions for Oracle](#).
- Learn how platform-ready infrastructure with Everpure [reduces Oracle 26ai upgrade risk and complexity](#).
- Watch a demo on [Everpure Fusion storage templates for Oracle environments](#).

1 | Based on internal benchmarking. Results may vary depending on configuration, usage patterns, and workload.

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