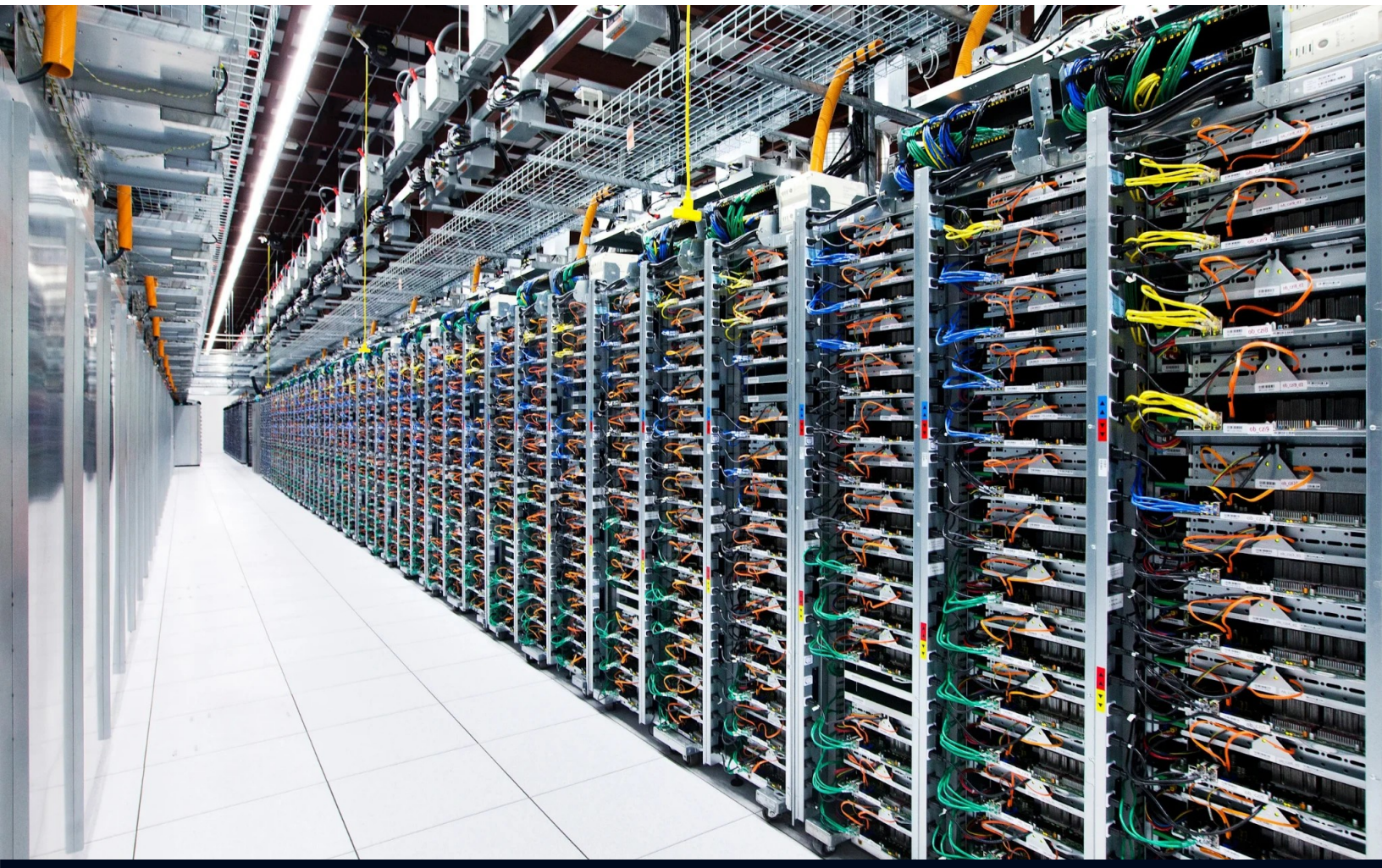
XaasIO RDS Managed Databases

Private Database as a Service

Deliver PostgreSQL, MySQL and MongoDB on infrastructure you control. XaasIO RDS combines database self-service with automated provisioning, availability, backup and recovery. Give application teams approved service profiles through the included XaasIO Hyperscaler console, supported by a validated architecture and a controlled software lifecycle.



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PLATFORM OVERVIEW

Database Services for Teams

Offer transactional and document databases through a common service experience. Give developers approved engine versions, resource profiles and connection endpoints.

From Request to Database

Provision through console, API or Kubernetes resources. Operators coordinate database nodes, volumes, replication and credentials for the selected service profile.

Database Console Included

Use the included XaasIO Hyperscaler console for database self-service, projects, roles and sign-on. Extend to the full platform when your cloud needs grow.

DEPLOYMENT ARCHITECTURE

OpenEverest on Kubernetes

XaasIO RDS combines OpenEverest with database operators on validated Kubernetes. Match compute, storage classes and pod placement to the database workload.

Persistent Volumes and Backups

Place database data on Kubernetes volumes using Ceph or another supported storage class. Keep backup sets in S3-compatible object storage.

Private and Disconnected Sites

Use local registries, identity, object storage and monitoring for restricted sites. Control software updates within the required security boundary.

ONE SERVICE EXPERIENCE FOR RELATIONAL AND DOCUMENT DATA

Deliver database endpoints with consistent provisioning, protection and operational controls.

CORE DATABASE SERVICE CAPABILITIES

Standardize database delivery while preserving the engine-specific controls each workload needs.

Approved Service Profiles

Select an engine version, cluster size, storage and placement. Use development profiles or replicated clusters for production workloads.

High Availability and Replication

Use PostgreSQL replicas, MySQL quorum-based clusters or MongoDB replica sets. Operators manage replication and engine-specific recovery.

Backup, Restore and PITR

Run scheduled or on-demand backups. Point-in-time recovery (PITR) uses base backups and retained logs within each engine's supported recovery window.

Compute and Storage Scaling

Adjust database nodes, CPU and memory to match demand. Expand persistent volumes where the storage class and CSI driver support volume expansion.

API, Kubernetes CRDs and GitOps

Manage databases with REST APIs and Kubernetes custom resources. Version configurations and integrate service changes into delivery workflows.

Identity and Service Access

Integrate enterprise sign-on and role-based permissions for service management. Use namespaces and access policies to separate teams and database environments.

Metrics and Query Analytics

Track database health, resource use and query behavior with Percona Monitoring and Management. Connect supported metrics to your existing monitoring environment.

Controlled Software Supply Chain

Use validated releases, documented upgrade paths and artifact verification. Maintain upstream and XaasIO release SBOM records for change review and audit evidence.

START WITH DATABASES. EXTEND TO A BROADER CLOUD.

XaasIO RDS operates as a standalone service with its database console included. Add XaasIO Hyperscaler Platform to bring other XaasIO services into the same experience, with multi-service tenancy, usage metering, FinOps, billing and payments.

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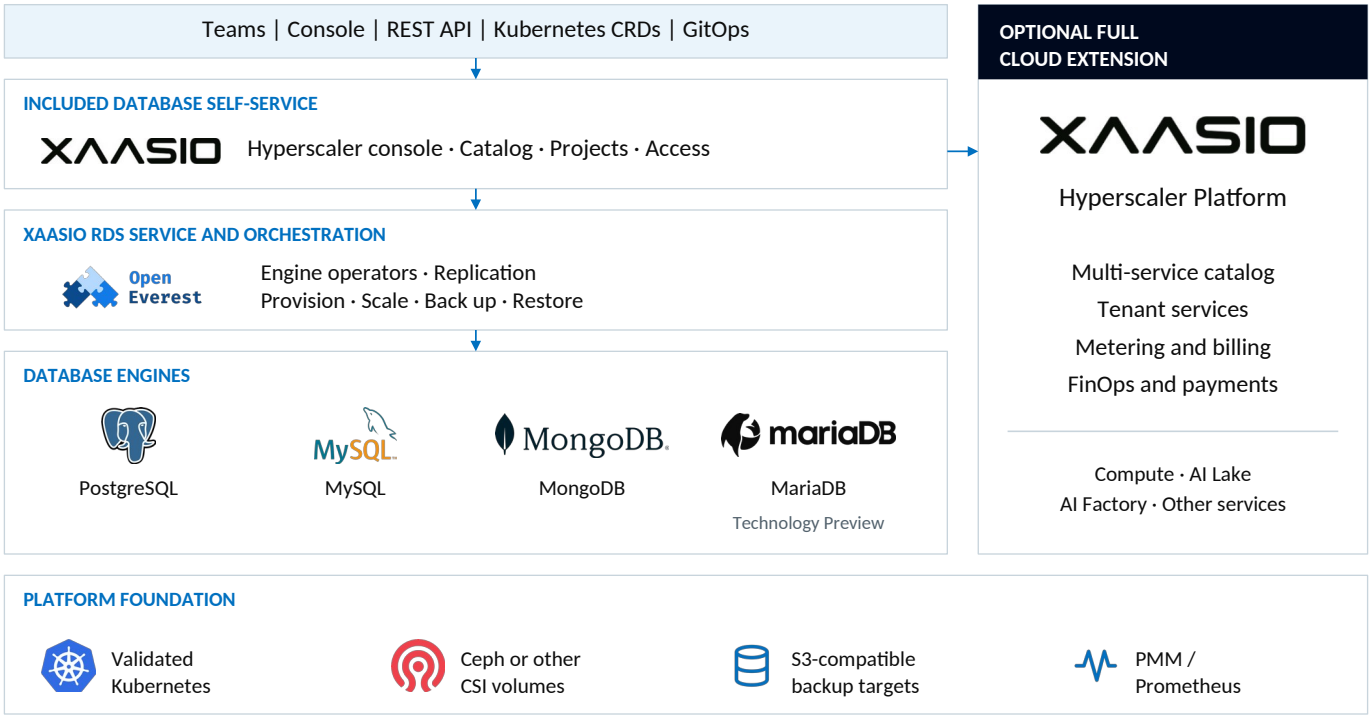
REFERENCE ARCHITECTURE



Illustrative deployment; features depend on the validated Kubernetes, operator and storage configuration.

PLATFORM OPERATIONS

Observe Database Health

Review availability, query performance, resource use and replication behavior. Correlate database monitoring with platform telemetry to investigate bottlenecks and plan capacity.

Manage the Validated Lifecycle

Coordinate database engine, operator and control-plane updates through approved release paths. Check compatibility, stage changes and retain supply-chain records for each supported release.

SECURITY AND RECOVERY

Identity and Network Boundaries

Use enterprise SSO and roles for service management. Protect database connections with TLS and network exposure policies, with application database credentials managed separately.

Validate Recovery Readiness

Align backup schedules and retained logs with recovery objectives. Test restore procedures, verify backup access and plan for engine-specific recovery prerequisites before an incident.

ENGINE AVAILABILITY AND RECOVERY

Engine	Availability topology	Recovery capability
PostgreSQL	Primary and read replicas	Backups and PITR
MySQL	Percona XtraDB Cluster	Backups and PITR
MongoDB	Replica sets; optional sharding	Backups and PITR
MariaDB*	Standalone, Galera or replicas	Backup / restore; PITR roadmap

* MariaDB is a Technology Preview; PITR follows the provider roadmap. Applications use standard database drivers. Management APIs are not compatible with Amazon RDS.

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DESIGNED FOR PRIVATE DATABASE SERVICES

01 Enterprise Application Databases

Support transactional and document applications with approved database profiles. Give teams consistent provisioning, connection endpoints, protection policies and operational visibility.

02 Database Services for Cloud Providers

Offer database services to customer accounts alongside infrastructure, data and AI services. Extend XaasIO RDS with XaasIO Hyperscaler Platform for multi-service tenancy, metering and commercial billing.

03 Migration to Private Database Services

Assess engines, extensions, authentication and recovery needs. Plan data transfer, validation and cutover for public managed or self-managed databases through a scoped migration engagement.

XAASIO RDS | MANAGED DATABASES

Make private databases a service your teams can consume.

Start with your database engines, application dependencies and recovery objectives. Define the service profiles, storage, access boundaries and migration plan, then establish a validated database service with a controlled lifecycle.

Explore the Platform at xaasio.com/platform/managed-databases/

Book a database platform workshop at xaasio.com/contact/

Learn more at xaasio.com

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