

Seamless Database Migration from anywhere to Google Cloud

SAP Hana, SAP ECC, Oracle DB, Microsoft SQL Server and others

Enterprise databases power critical applications across industries. As organizations embrace Google Cloud to improve scalability, agility, and cost efficiency, migrating databases—whether from on-premises environments or other clouds—has become a strategic priority. Cross-cloud and hybrid-cloud migrations to Google Cloud also support compliance, sovereignty, and modernization initiatives.

Why Migrate to Google Cloud?

- **Operational Efficiency** through managed Google Cloud services and automation
- **Resilience and High Availability** using Google's global infrastructure
- **Compliance and Data Sovereignty** to meet GDPR, HIPAA, and local mandates
- **Modernization** via scalable, cloud-native database services

Challenges in Database Migration

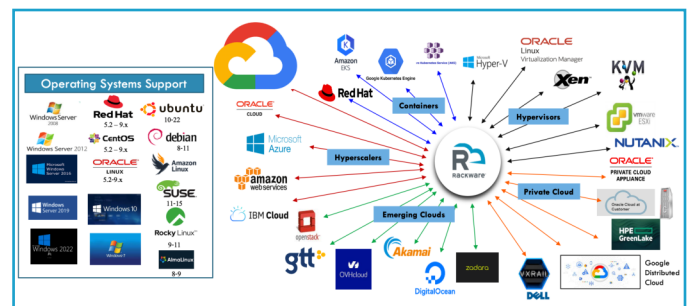
Database workloads are tightly integrated with application stacks, making migration complex:

- **Platform compatibility:** Differences across hypervisors, boot processes, and machine formats
- **Physical-to-virtual barriers:** Legacy deployments on bare-metal servers may resist replication or automation
- **Downtime constraints:** Mission-critical workloads require minimum downtime for cutover operations
- **Data integrity validation:** Ensuring consistency and proper cutover across environments
- **Application stack dependencies:** Coordinated migration of multi-tiered apps (web, app, DB layers)

These issues are consistent whether migrating relational (e.g. SQL Server, PostgreSQL) or non-relational (e.g. MongoDB, Redis).

RackWare for Google Cloud Migrations

RackWare's Management Module (RMM) enables fast, reliable migration of databases to Google Cloud with minimal disruption.



Key Capabilities

- **Hypervisor-Agnostic Migration:** Enables transitions across VMware, KVM, Hyper-V, Xen, and cloud-native platforms
- **Physical servers:** RackWare supports physical servers as part of their normal workflow without any special configuration options
- **Agentless Live Capture & Sync:** Full-stack replication of database workloads with policy-based synchronization
- **Automated Provisioning:** Supports accurate provisioning to match origin hardware to target options
- **Boot & Data Consistency:** Ensures complete and validated cutovers where the entire application stack comes online seamlessly

RackWare makes database migration to Google Cloud efficient, predictable, and compliant—empowering enterprises to unlock the full value of cloud.

Supported Databases include:

