

HCL OneDB

Powering Cloud Native Apps

OneDB is a cloud-native enterprise-grade database that offers the versatility, reliability, and ease of use needed to address today's data management and application development challenges.

OneDB delivers high availability and scalability to achieve the performance users expect, seamlessly supporting the application layer in the background. An always accessible bulletproof foundation at the core of your cloud-native solution allows teams to stay ahead of rapidly evolving data demands. As a result, operational risk is reduced, performance limitations are minimized, and data security is increased.

CAPABILITIES

- OneDB is feature-rich and equally able to serve as a foundation for cloud-native and cloud solutions, embedded applications, and IoT or edge solutions. On prem and VM versions are also available.
- OneDB offers industry leading replication technologies.
- Autoscaling: OneDB leverages our Kubernetes operator and orchestration to add and remove OneDB instances based on workload and configuration to optimize costs.
- ACID compliant: OneDB is fully ACID compliant including support for distributed transactions. Compliance guarantees data transactions are valid and secure across distributed database systems.
- Data Access: Application developers have fast access to their data through REST, JDBC, .NET or MongoDB API's and native SQL access via open-source drivers for OneDB in languages such as Python and NodeJS.
- Data Volume: Ingest and store streaming terabytes of sensor data, and other information necessary for IoT solutions, allowing for edge analytics and cloud capacity.
- Data Security: Industry-standard encryption using OpenSSL is available in all editions so you can ensure that your data is secure at rest and in motion.

BENEFITS & VALUE

Cloud-Native Advantage: OneDB makes deploying, scaling, and managing a cloud-native database easy within a Kubernetes environment.

Cloud Choice: Complete flexibility in cloud infrastructure choice provides freedom from vendor lock-in to any specific cloud provider. Deploy and scale on one or many clouds via Docker containers with Kubernetes orchestration, all within minutes. (GKS, AKS, EKS and OpenShift).

Reliability: OneDB's high availability (HA) provides resiliency enterprises demand, ensuring the uptime required for mission-critical applications meets business continuity.

Versatility: OneDB's multi-model database handles native processing for multiple disparate data models within a single, streamlined backend (SQL, NoSQL, JSON, Timeseries and spatial data).

Transactional speed: Speed and performance are consistently top considerations when choosing a database to power mission-critical applications.

Ease-of-use and administration: Included in the OneDB platform is an advanced database management layer (OneDB Explore) which allows engine configuration with little to no maintenance or DBA resources.

Easy Deployment: OneDB can be deployed as Docker containers with Kubernetes orchestration in minutes. Begin development in a matter of minutes leading to reduced time to value, reduced operational costs, and abbreviated developer output time.