

# Confidence in the Cloud with OneDB

Is your company contemplating a cloud database? If so, you probably have specific goals in mind that you want to achieve, but at the same time you may, like many others, have some significant concerns about moving forward. OneDB is a fast, reliable, and easy-to-use cloud-native database that manages relational, object-relational, and dimensional databases and supports embedded database management. With OneDB, you can confidently run in the cloud.

## Cloud Database Advantages

There are many good reasons to consider a cloud database. It removes the need for infrastructure procurement, setup, management, and maintenance, leading to greater agility, and makes sure you're always current with the latest technologies, updates, and patches. The cloud also makes it easier for database administrators (DBAs) to monitor and manage database deployments and developers can deliver cloud-native applications faster. Cloud elasticity is useful in environments that require varying amounts of storage and compute over time e.g., retail during the busy holiday period, or government at tax time. Plus, OpEx through a cloud subscription can be more flexible than CapEx since you don't have to budget in advance for a new expenditure.

### Cloud Database Benefits

- Eliminate infrastructure headaches
- Stay current to support innovation
- Simplify administration
- Accelerate application delivery
- Support variable workload demands
- Make the CapEx to OpEx shift



## Potential Cloud Database Challenges

However, without the right solution, a cloud database can fail to deliver the full benefits of the cloud and can introduce risks and increase costs and complexity.



**Risk:** Moving to a cloud database can be risky if you don't get the performance, availability, scalability, and functionality you need to support mission-critical applications. Further, some solutions can lock you onto a platform and you can't escape!

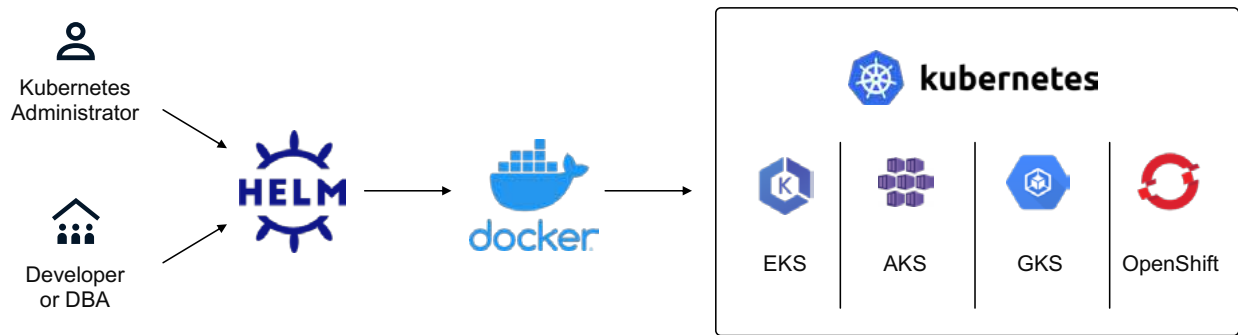


**Expense:** Cost management and containment are often more challenging in the cloud. No one likes to be surprised by unexpected costs or lengthy and expensive application development projects



**Complexity:** Companies often lack cloud database expertise and resources. Adding to this challenge are increasingly diverse transactional needs, new security requirements, and difficulty accessing data to support applications.

## OneDB Cloud-Native Deployment



### OneDB Reduces the Risk of Running in the Cloud

OneDB is a modern, flexible, and simple cloud-native database that meets enterprise availability, performance, and scalability requirements. OneDB offers:

- High availability, enterprise replication, and sharding keep data available at all times even during maintenance.
- OneDB is designed to deliver high performance to thousands of users. Compression, columnar-based storage, and accessing data in-memory speed up query performance by significantly reducing I/O during query execution.
- Auto-scaling in the cloud automatically adjusts resources to match demand and optimizes costs.
- Support for high-volume data streaming, ingesting and storing terabytes of data—from edge to cloud.

You get complete deployment flexibility with OneDB. Run on-premises or on a private cloud, AWS, Azure, or Google Cloud with the same on-premises features. OneDB supports heterogeneous hardware (Linux 86-64, Windows, and AIX), operating systems and database versions and flexible schemas; no platform lock-ins!

### OneDB Makes it Easy and Cost Effective to Deliver Cloud-Native Applications

OneDB offers a simple path forward to the cloud. Little database expertise is needed to run OneDB. Automation capabilities equate to cost savings and better time management and productivity for staff -- when the mundane, routine tasks are automated, it frees staff up to do what makes the business grow and thrive -- customer service, reaching strategic goals, and driving success.

You can deploy OneDB in just minutes on one or many clouds via Helm charts in Docker containers with Kubernetes orchestration (GKS, AKS, EKS and OpenShift) as shown above. You'll decrease time to value, reduce operational costs, and save valuable developer time.

With a footprint as small as 100 MB, a silent installer, and the ability to run on self-managed distributed devices, OneDB is an ideal embedded database.

Companies no longer need to buy, configure, and maintain multiple databases to support their diverse cloud applications. OneDB handles native processing for multiple disparate data models within a single, streamlined multi-model database (SQL, NoSQL, JSON, time-series, and spatial data).

Application developers have fast access to data through modern APIs such as REST and MongoDB, and SQL access via open-source drivers in languages such as Python and NodeJS. Data is secured at rest and in motion using industry standard Open SSL encryption.



## Ready to Get Started with Cloud-Native OneDB?

Take the next steps by checking out OneDB available on the AWS Marketplace, the Microsoft Azure Marketplace, or HCL SoFy (SoFy uses Helm to combine HCL products and APIs as cloud-ready building blocks in portable, deployable packages).

## About Actian

We deliver cloud, hybrid, and on-premises data solutions that simplify how people connect, manage, and analyze data. We transform business by enabling customers to make confident, data-driven decisions that accelerate their organization's growth. Our data platform integrates seamlessly, performs reliably, and delivers at industry-leading speeds. Learn more about Actian, a division of HCLSoftware: [www.actian.com](http://www.actian.com).