



# Unlocking data value with Virtusa's database modernization on AWS

Modernize, transform, elevate

In a world propelled by data, the mandate to modernize is unmistakable. Organizations entrapped by legacy database technologies grapple with escalating complexities and missed opportunities. As data-driven organizations burgeon at an unprecedented pace, the imperative for better, faster decisions intensifies. Cost optimization is pivotal, liberating enterprises from traditional financial shackles to consumption-based pricing models. Data proliferation, driven by network-connected devices, necessitates scalable solutions to handle this exponential growth. Yet, many organizations need help extracting the full value from their data troves. Security, compliance, and the quest for purpose-built databases resonate in an era where data integrity and accessibility reign supreme. Complexities abound, from legacy system architectures to stakeholder management.

Virtusa's expertise in cloud-scale architecture, open-source managed DBs, and robust security paves the way for modernized databases, propelling performance, innovation, and global trust.

## Why modernize your databases?

Data-driven organizations make informed decisions to achieve higher growth rates and enforce cost efficiency to escape CapEx constraints and adopt consumption-based pricing. Modernization also helps enterprises enhance database security and compliance, prioritizing encryption and access controls. Additionally, modernization enables purpose-built intention, tailoring databases to support unique use cases, scalability, and business needs. By shifting.

Your database to agile DevOps, you can accelerate positive change and attain real-time insights by incorporating micro-services architecture.

# Why clients are choosing Virtusa

A proven track record of success drives Virtusa's reputation as a choice partner for database modernization:

**Database modernization triumphs:** With over 25 successful enterprise-scale implementations and the creation of purpose-built databases, Virtusa showcases unparalleled expertise. We've seamlessly migrated over 10,000 databases to the Cloud, ensuring robust and dependable outcomes.

**Experience and proficiency:** Our team of nearly 2200+ certified AWS professionals possesses extensive experience across diverse AWS native services and industry trends. We excel in data engineering and insights using cloud-native services, offering a business outcome-driven approach and a finely tuned modernization strategy.

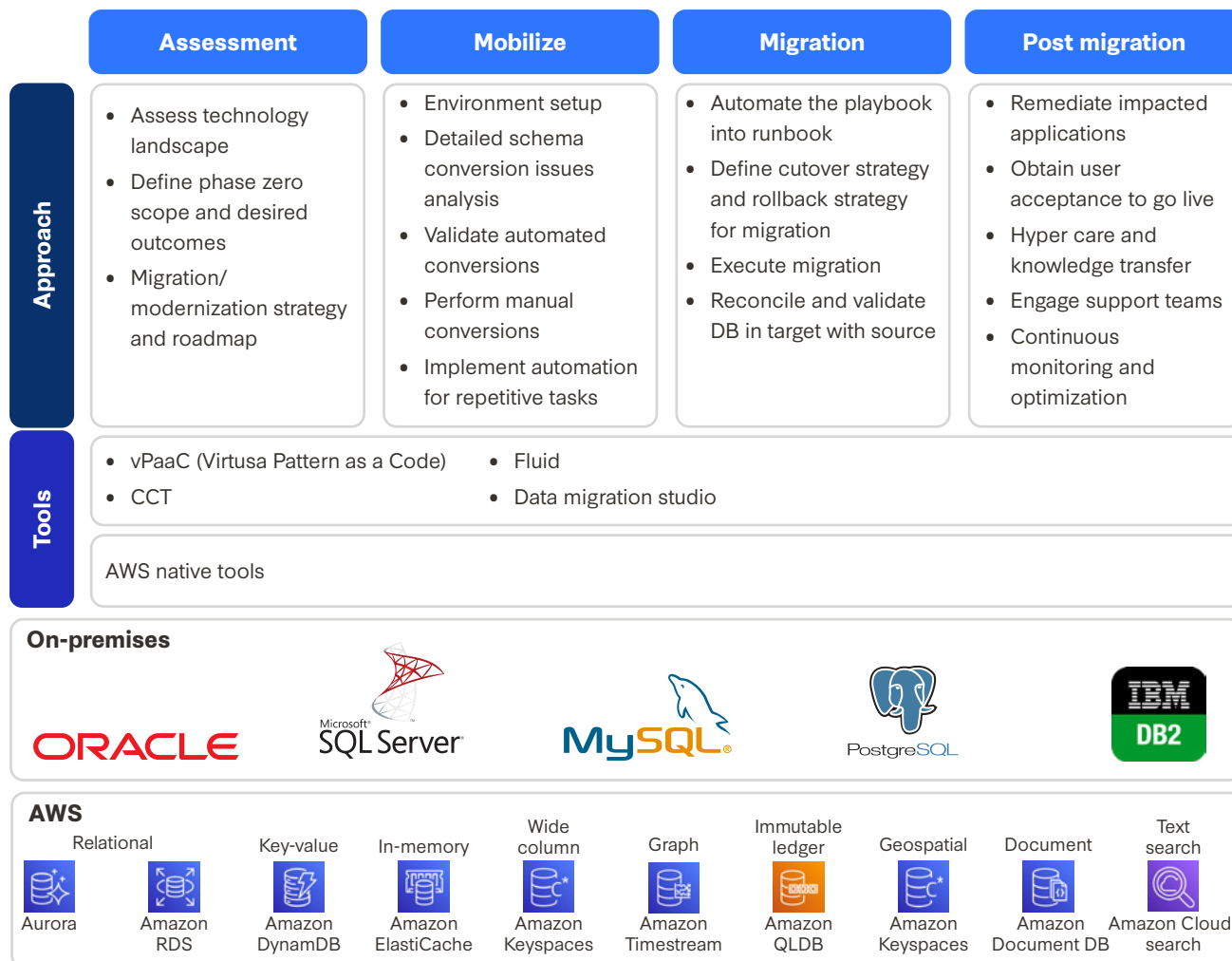
**In-house and partner-powered acceleration:** Virtusa harnesses the HIVE Solutions Factory, housing 40+ battle-tested accelerators and integrations with 15+ partner tools. Our HIVE solutions, combined with strategic partner tools and solutions, have yielded remarkable results, slashing data ingestion effort by up to 50% and orchestration by up to 60%.

Partner with Virtusa for your database modernization journey and unlock an arsenal of accelerators and partner-power solutions to ensure efficiency and streamlined success.

# Unleash your database modernization potential with Virtusa

Virtusa's value-led modernization approach to AWS prioritizes business objectives and accelerates delivery with a time-tested and proven execution framework.

Elevate your database modernization journey with Virtusa's unmatched capabilities. Our comprehensive suite of services empowers you to navigate the complexities of modernizing your database infrastructure, ensuring seamless transitions, enhanced performance, and optimal business outcomes.



### Assessment: Harness the power of data-driven insights

Embark on your modernization journey with confidence through our comprehensive database assessment strategy. We meticulously analyze your data landscape, evaluating execution capabilities and defining precise outcomes. Our multi-dimensional database assessment factors in business value, IT efficiency, IT health, cloud suitability, and licensing optimizations. Our Data Migration Studio combines proprietary and partner solutions to automate discovery with a low-touch assessment and bring out a well-defined roadmap for a clear path to modernization excellence.

### Mobilize: Architect your modernization blueprint

Our data modernization patterns library (automated database migration, purpose-built database, data strangling, fault-tolerant database, oracle exit strategy, dark data isolation, business logic extraction, and legacy database modernization) forms the blueprint for seamless dispositions. Building the foundation of your target-state technology, we create pathfinders and playbooks to navigate your modernization expedition effectively.

### Migration: Drive efficiency with automation

We adopt a factory-based approach, where innovation meets execution at scale, with assembly lines for migration, powerful tools, and accelerators to drive efficient schema conversion and code refactoring. Automated pipelines and rigorous quality engineering ensure your modernized database is robust, reliable, and ready to perform.

### Post migration: Elevate excellence with ongoing advancements

Our commitment extends beyond implementation. Experience hyper care support, ensuring a seamless transition. Focused decommissioning optimizes your environment, while our Cloud Managed Services keep

your database in prime condition. Continuous modernization on the cloud ensures your infrastructure remains agile and aligned with evolving needs.

As your strategic partner, Virtusa transforms your database modernization endeavor into a resounding success, delivering tangible outcomes, enhanced efficiency, and a future-ready technology landscape.

## Success stories

Automated database migration to AWS in a factory model execution for a global financial services company, resulting in 40% savings in total efforts for migrating databases and up to 60% savings in efforts for scaling to a new environment.

Migration of a large claims database from Mainframe to AWS Infrastructure for a Global P&C insurance company, 40% reduction in total cost of ownership, and 50% improvement in application performance.

Migration of on-premise Oracle databases to Aurora Postgres for an ISV customer who primarily supports government-sponsored insurance programs, resulting in 47% reduction in operational costs and 1.5x better application performance than running on-premises.

## HIVE solution factory: accelerators supporting the modernization lifecycle

Experience streamlined modernization with our HIVE Solution Factory, employing a range of accelerators that span your modernization journey:

**vPaac (Virtusa Pattern as a Code):** Automates deployment of Cloud infrastructure with security by design. Codifies all necessary cloud services using Terraform to set up an environment ready for Day2Ops.

**CCT:** Virtusa's Code Conversion Tool is to automate schema conversion from any source Database to any target Database platform for heterogeneous database migrations.

**FLUID:** Versatile database transformation accelerator equipped with plug-and-play capabilities for various source and target destinations. Real-time observability of system health and execution monitoring with a single pane of glass view.

**Data migration studio:** Automates discovery and analysis of source database. Drives schema conversion and code refactoring efficiently.

To learn more contact us today at [marketing@virtusa.com](mailto:marketing@virtusa.com)