

Future-proof your data

Get more out of your data and accelerate your data transformation journey

Improve database management systems with lower infrastructure costs and higher performance

Virtusa and AWS deliver a holistic migration experience that leverages a comprehensive set of database migration tools and technology for those looking to move their on-premise databases to the cloud. In partnership with AWS Professional Services (ProServe), Virtusa has developed a proven approach to migrate databases to the AWS Cloud quickly.

For over 20 years, Virtusa and AWS have partnered to deploy and manage almost every type of database. Together, they have gained a deep understanding of the various data architectures and application dependencies delivering successful migrations and extraordinary results to clients around the world.



- Migration Services Competency
- Data & Analytics Services Competency

Explore Database Modernization

By leveraging Virtusa's proven capabilities on AWS Cloud, we have learned how to revitalize your database with speed and accuracy. As part of our database migration approach, we follow a three-step process:

Assess

- Database landscape assessment, business case creation, and consolidation, revamp, and migration roadmap
- Database discovery, platform analysis, and target database recommendation
- License agreements evaluation and exit roadmap
- Re-platform migration advisory

Migrate

- Cloud foundation setup as IaC
- Intelligent schema mapping and conversion
- Homogeneous and heterogeneous migration
- From factory model to database

Operate

- Managed database transformation
- Database backup, replication, support, and administration
- Serverless database offerings
- Database performance tuning

Virtusa has completed the AWS Database Freedom Program in order to deliver seamless migration experiences with:

- Certified teams who can fix incompatibilities during the migration process
- Accelerated migration by combining relevant in house and AWS tools
- In-depth capabilities in refactoring/reengineering your data pipeline and rationalizing data assets before migrating to cloud
- Proven experience in efficiently managing data workloads post-migration

Key services

Advisory services

- Application portfolio and database discovery
- Data asset rationalization
- Business value analysis
- Technical database analysis
- Database migration design and roadmap

Managed services

- Hypercare
- 24/7 production and database support—Administration and maintenance
- Database performance tuning

Migration services

- AWS Cloud Foundation
- Database migration—Schema, objects, and data
- ETL and reports refactoring
- End-to-end testing and validation
- Cut-over and post-migration support

Migration from all leading on-prem DB engines

ORACLE®



SYBASE™

Discovery, assessment, and roadmap

Successfully migrate and ensure business continuity by checking interoperability and seamless data flow post-migration

Prepare data for migration

Finalize data architecture, refactor/re-engineer data pipeline design as required, and ensure 100% code and schema conversion

Migration and testing

Discover and review data usage, application & database inventory, and dependencies to provide data rationalization recommendations and a migration roadmap

Post-migration support

Deliver post-migration support and resolve tickets within agreed SLAs

Our Database Modernization Benefits

We help you with functionally equivalent, seamlessly integrated applications with reduced cost structure, improved business agility, and a solid foundation for growth.

Assess

- Assessment scope and planning
- Data collection, baselining and disposition
- Roadmap



Migrate

- **Pre-migration** Environment, design and validation
- **Migration phase** Governance, migration plan and execution
- **Post-migration** Validation, monitoring, tuning and support



Operate

- DB infrastructure monitoring and management
- Database backup, replication, support and administration
- Performance and system architecture tuning

SUCCESS STORY

Successful data transformation with tremendous savings and minimal downtime

A large manufacturing firm struggled keeping in line with their larger strategic data transformation goals and called on an experienced partner to migrate over 3200 Microsoft SQL Server DBs to AWS. The firm was concerned about product release cycles and needed to ensure zero impact on business service availability to their 600+ clients.

With Virtusa, the firm utilized the AWS Schema Conversion Tool to move data from Microsoft SQL Server to Amazon Aurora PostgreSQL. After analyzing the schema conversion report, they manually updated the database objects. The complex code

(Procedures, Functions, View, Triggers) were divided into modules, and every individual module was updated manually which addressed the challenges of interdependencies between code.

Virtusa and AWS delivered a seamless migration with zero impact on the business due to minimal downtime. Additionally, the client reduced approximately \$15M in the total cost of ownership due to the elimination of licensing, infrastructure, and IT staff costs.

About AWS ProServe

AWS ProServe's global team of experts realize desired business outcomes migrating to AWS Cloud. The team works with Virtusa to execute on client's most critical cloud computing initiatives. Our offerings achieve client-specific results for enterprise cloud adoption.

virtusa



Ten Years of Innovation

Virtusa has been a key AWS partner for more than ten years and has developed deep relationships and expertise. In 2021, Virtusa extended its Strategic Collaboration Agreement (SCA) with AWS to empower global organizations to unlock more value, efficiency, and profitability via cloud-based services. Virtusa was also named the 2021 AWS Industry Solution NSI Partner of the Year-U.S.

- AWS Premier Services partner since 2017
- 8 Competencies | 6 Partner Programs | 4 Service Validations
- 100+ AWS Customer Launches
- 2,100+ AWS Certifications
- AWS ProServe Strategic Partner
- Database Freedom Program Partner
- AWS ISV 'Workload Migration Program' partner for Pega

For more information please contact:
awsinfo@virtusa.com