

AWS Database Modernization

Reduce migration risks with guidance from certified experts.

By 2024, Gartner predicts 75% of databases will be deployed to the cloud. The benefits of the cloud, which include increased capability, scalability and flexibility, are driving organizations of all sizes and across all industries to transform and migrate to cloud technologies. Unfortunately, most companies lack the skills, competencies, experience and resources to perform a migration while minimizing risk and avoiding downtime.

That's where Onica by Rackspace Technology™ comes in. As part of our migration service, Onica® will discuss your business goals, develop a migration strategy, prepare a detailed migration plan, manage your transformation and migration process, and put each of your databases back into production.

Database Modernization Services



Database assessment

We assess your environment and deliver critical findings and recommendations, along with a migration roadmap.



Lift-and-shift platform migrations

We migrate your database from on-prem and private cloud environments to the AWS platform.



Move-to-managed database migrations

We migrate your databases from Oracle, SQL Server, MySQL, MariaDB and PostgreSQL to fully managed Amazon RDS.



Break-free transformations

We transform and migrate commercial or proprietary databases to AWS services.

Experts dedicated to your success

Onica is uniquely positioned to help you transform legacy databases with AWS and level-up application performance, flexibility and scalability with a customized migration solution that's aligned to your business goals. Our certified AWS experts provide cloud-native solutions that reduce complexity while accelerating agility and cost savings, so you can focus on innovation and making data-driven decisions that propel your business forward.

As the 2021 AWS Migration Partner of the Year with 2,500+ AWS Partner Accreditations and 15 AWS competencies — including the Data & Analytics Consulting Competency — we're ready to be your trusted AWS experts.

AWS Database Modernization services enable the following:



Creation of a customized migration solution aligned to your business goals and timeline



Reduced risk of disruption with AWS-certified database migration experts



An efficient and predictable database move using a proven methodology



Accelerated innovation with a focus on the application rather than its databases

Our database and AWS cloud specialists can assess your data environments and determine which AWS services will meet your needs.



Amazon RDS



Amazon Aurora



Amazon DynamoDB



Amazon Redshift

About Onica by Rackspace Technology™

- 2,500+ AWS Accreditations
- AWS Service Delivery Partner for Database Migration Services, RDS, DynamoDB and Redshift
- 15 AWS Competencies
- 13 AWS Service Delivery Designations
- AWS 2021 Migration Partner of the Year (U.S. & Canada)



Phase 1: Discovery

We work with you to understand the intricacies of your database ecosystem and propose the most efficient and cost-effective migration path to your next-generation database platform. The discovery phase of your assessment includes:

- An initial long-range-planning (LRP) session to define your working backlog
- Running the AWS Schema Conversion Tool (SCT) and generating your migration report
- Stakeholder interviews to understand your current and desired future state for databases and applications
- A review of your current AWS environment
- A deep dive into current databases and assessment of application stack dependencies
- Application-level inspection and an impact assessment for migration
- Security-level inspection
- A review of database licensing and costs, tools and processes for code deployments, and logging and monitoring requirements
- Alignment with your development standards

Phase 2: Planning and documentation

At the conclusion of your project, Onica will provide knowledge transfer and hand-off of assets developed during our engagement, as well as a detailed report for database migration efforts to help establish validity, ROI and risk management around the database migration.

1. Database migration assessment and planning
 - Prepare recommendation report for target database[s] based on SCT report analysis and requirements for sizing, performance and scalability
 - Identify and document application dependencies, application-level code update plan (if applicable) and level of effort for database migration
 - Document migration testing strategy
2. Recommended migration approach, roadmap and estimated effort

Deliverables:

- Complete analysis and roadmap recommendations
- Estimated level of work for database migration
- Diagrams, migration guides and other documentation developed in support of your engagement

Estimated duration: 2 – 4 weeks

Estimated cost: Please work with your Onica representative to see if you qualify for acceleration programs

Case study:

Babbly helps babies communicate with a compliant Kubernetes infrastructure

Challenge

Babbly needed to develop and manage a stable, future-ready Kubernetes infrastructure that could support frequent application releases and automate security. It also needed to meet industry compliance requirements.

Solution

Using Onica's own open source development tools such as Runway, Onica implemented an Amazon EKS infrastructure with Amazon RDS for database management. This infrastructure was built with automated scalability capabilities and used a multi-stage pipeline for development and production that supported improved QA testing

Achievement

A production-ready Kubernetes architecture — which normally takes several months to build — was completed in just six weeks to meet the application launch deadline.

Start your data modernization journey at:

Call: 1-800-961-2888

Email: onica@rackspace.com

Visit: www.rackspace.com/onica-by-rackspace-technology