Database Migration and Modernization Assessment

Early cloud adoption approaches focused on migrating applications and infrastructure with minimal changes to the code or architecture. Now, with data modernization, organizations can move data from legacy databases to modern databases, which is particularly critical for any business that needs to store unstructured data such as images, customer voice audio, social media comments, and clinical notes in healthcare.

Onica, a Rackspace Technology company, offers a discovery-based Database Modernization Program aimed at helping customers unlock the substantial cost savings, performance and scalability options of migrating to a modern database structure on AWS.

Modernization Strategies

For customers looking to migrate from Oracle or Microsoft SQL Server to an open-source database on AWS, our architects will help you by assessing your infrastructure to determine the ROI of a database migration/modernization project. We'll determine which combination of cloud technologies and architectural designs will offer the lowest TCO while contributing to the following benefits:

- **Reducing database licensing costs and vendor lock-in:** By leveraging AWS Database technologies such as RDS PostgreSQL, RDS MySQL or Amazon Aurora, customers can reduce their licensing costs and vendor lock-in while empowering new performance, scalability, flexibility and portability.

- **Decrease management:** AWS Database technologies allow you to break free from the complexities of database administration. With serverless capabilities, throughput can automatically scale up or down based on demand while multi-availability and regional options provide durability and scalability to meet almost any requirements.

- **Building for the future:** AWS Databases are designed from the ground up to support the scale, performance and availability demands of modern globally distributed applications with microservices architectures.

Benefits of Database Modernization

Accelerate innovation: Transform your business, process and technology to increase agility and tighten the feedback loop between your company and your users.

Develop at cloud scale: Leverage fully managed platform services, adopt auto-scaling and design self-healing systems that scale seamlessly through unpredictable traffic bursts and remain resilient despite unexpected failures.

Reliable: AWS Databases are built for business critical workloads. Build scalable, reliable and secure enterprise applications while your data is safeguarded behind the AWS infrastructure in highly secure data centers.

Performance at scale: AWS purpose-built database solutions are designed for fast, interactive query performance at any scale. Experience 3-5x the performance vs popular alternatives with capabilities to support over 20 million requests per second.

Engagement Overview

Our experts will collaborate with your team to understand the intricacies of your database ecosystem and propose the most efficient and cost-effective migration path to your next generation database platform. This **fully funded** four-week engagement includes:

Discovery Session/Current State Assessment

We'll conduct interviews with product teams and review current state applications and services architecture and current CI/CD tools and processes.

- Outline project timelines, identify key stakeholders and define working backlog
- Deep dive with customer teams to gather information on your existing database and services
- Review current database technology, storage requirements and application assessment, provide database recommendations and impact assessment for application migration
- Evaluate current database licensing and costs, state of tools and align with customer development standards

Technology Exploration and Roadmap

Through a collaborative and deliberative process, our team will develop a migration and modernization roadmap aligned to your business goals.

- Develop deployment plan, establish migration priority and design data migration pipeline(s)
- Prepare recommendation report for target database and identify and document application dependencies and level of effort for database migration
- Document recommended migration approach and estimated effort
- Produce a ROI report with a total cost of migration proposal covering level of effort to migrate the selected databases to AWS Database technologies and TCO

Take the next step
Learn more: www.rackspace.com/data/aws-data
Call: 1-800-961-2888

Why Rackspace Technology

Rackspace Technology is your trusted partner across cloud, applications, security, data and infrastructure.

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Comprehensive AWS capabilities

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- Retail
- SaaS
- Storage
- Travel & Hospitality

11 AWS Service Delivery Designations
- Amazon CloudFront
- Amazon DynamoDB
- Amazon EC2 for Windows Server
- Amazon EMR
- Amazon RDS
- Amazon Redshift
- AWS CloudFormation
- AWS Database Migration Service
- AWS IoT Core
- AWS Lambda
- AWS Server Migration Service

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