



Data Warehouse Migrations to Amazon Redshift

Accelerate innovation with an integrated data architecture on AWS that significantly increases performance while lowering costs.

Data is hard. Managing and analyzing data is made significantly more complicated as the volume, velocity and variety increase at record pace. Legacy data warehousing lacks the scalability and flexibility needed to meet today's demand for business intelligence and will ultimately require a significant investment to maintain, update and secure. Moving to a cloud data warehouse like Amazon Redshift eliminates these limitations, allowing you to run queries across petabytes of data in your data warehouse as well as your data lake.

Experts Dedicated to Your Success

Onica by Rackspace Technology provides access to the expertise you need to successfully migrate and consolidate diverse data from multiple sources, including your legacy environment. Certified AWS data warehousing architects are experienced in tailoring solutions that ensure you get the most from your AWS data environment. They will work closely with your stakeholders to deliver a migration strategy and roadmap that satisfies your unique requirements, enabling you to extract tangible business value from your data.

Why Migrate to Amazon Redshift

As one of the world's fastest cloud data warehouses, Redshift generally costs at least 50% less than other cloud data warehouses and less than one-tenth the cost of most on-premises systems. As a fully managed service, Redshift automates common administrative tasks, including data warehouse monitoring, managing and scaling. It delivers fast query performance, improves I/O efficiency and scales up or down as your performance and capacity needs change. Plus, by using AWS for your data platform, you can go beyond the warehouse and query vast amounts of unstructured data in your Amazon S3 data lake —without having to load or transform any data.

Data Warehouse Migration Features

Onica data specialists engage early on to align with key business leaders and identify the full spectrum of data elements and their subsequent source systems. Working alongside business and technology stakeholders, Onica identifies all operational data stores and designs an ETL strategy for consuming the source data, while properly considering all data source complexities, such as varied database systems, schemas, naming conventions and one-time data migration.

The following activities are performed when migrating data to Redshift to drive the ETL development process:

- Migration assessment: Automated source to target analysis and review and assess the ecosystem comprising of data sources, consumption layers from data applications to BI dashboards and machine learning models.

About Rackspace Technology®

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

- A leader in the 2020 Gartner Magic Quadrant for Public Cloud Infrastructure Professional and Managed Services, Worldwide
- 2,600+ certified experts
- Hosting provider for more than half of the Fortune 100
- 20+ years of hosting experience
- Customers in 120+ countries
- 1,800+ AWS technical certifications worldwide
- 12 AWS service delivery designations, including Database Migration Services, DynamoDB, EMR, QuickSight, RDS and Redshift
- Expertise across 15 competencies:
 - Data and analytics
 - DevOps
 - Education
 - Financial services
 - Healthcare
 - Industrial software
 - IoT
 - Machine learning
 - Microsoft® workloads
 - Migration
 - Oracle®
 - Retail
 - SaaS
 - Storage
 - Travel and hospitality

“Onica is a valued partner of Blackline Safety. They have helped us navigate various challenges and prepared us for the future.”

John Moura :: Director, Software Development and Operations, Blackline Safety

- Data profiling: Column analysis to evaluate the distribution range, completeness, uniqueness, format, type, size and frequency of the data; referential analysis to evaluate relationships, integrity and business rule dependencies; and redundancy analysis to identify duplicate and orphaned data.
- Data extraction: Source adapter connection and configuration, extraction frequency and transactional record tracking.
- Data staging: Stores aggregates in staging tables for checks and balances.
- Data transformation: Source, split and/or merge data from source systems.
- Data cleansing: Properly handle inconsistent values, such as absent values, empty strings, duplicate primary keys and more.
- Data loading: Load historical and transactional data into the data warehouse.
- Data storage: Identify the logical objects for the data warehouse and create schema tables and views within the warehouse database based on the requirements.

Fanatical Experience®

Experts on your side, doing what it takes to get the job done right. From first consultation to daily operations, Rackspace Technology combines the power of always-on service with best-in-class tools and automation to deliver technology when and how you need it.

Services Delivered Your Way

Onica provides a customized approach to data modernization, delivering tangible business results that speed up innovation and increase ROI. An agile delivery process combined with fully managed AWS analytics services simplifies your modernization journey, accelerates development time from months to weeks, and decreases costs through implementation savings and operating efficiencies.

With a fully integrated data environment supported by DataOps to maintain and optimize pipeline ingestion, data processing and analytics delivery, your team can intelligently make business and IT decisions that will drive the most value for your customers and have the greatest impact to your business's bottom line.

Take the Next Step

Get started with a complimentary data discovery session to learn how Onica by Rackspace Technology can fast-track your path to becoming a truly data-driven organization.

Learn more: www.rackspace.com/lp/data-discovery-session
Call: 1-800-961-2888