A data warehouse revolution

Unlock transformational insights with Virtusa and
AWS to create a modern enterprise data warehouse

Explore Enterprise Data Warehouse— Modern data platform for greater agility, deeper insights, and lower costs

How a company utilizes its data plays a significant role in ensuring long-term success and effective responses to changing market disruptions. Virtusa and AWS ProServe help businesses to move away from legacy on-premise data warehouse platforms to a modernized enterprise data warehouse (EDW) on AWS Cloud. By developing a proven approach, Virtusa and AWS ProServe help businesses achieve higher price-performance, address data diversity challenges, and accelerate business outcomes. On-premise data assets from legacy systems offer limited capabilities, are expensive to maintain, and are slow to respond to dynamic market requirements. That is where Amazon Redshift is a clear winner, delivering a future-ready EDW that provides ten times faster performance at one tenth the cost of traditional data warehouses.
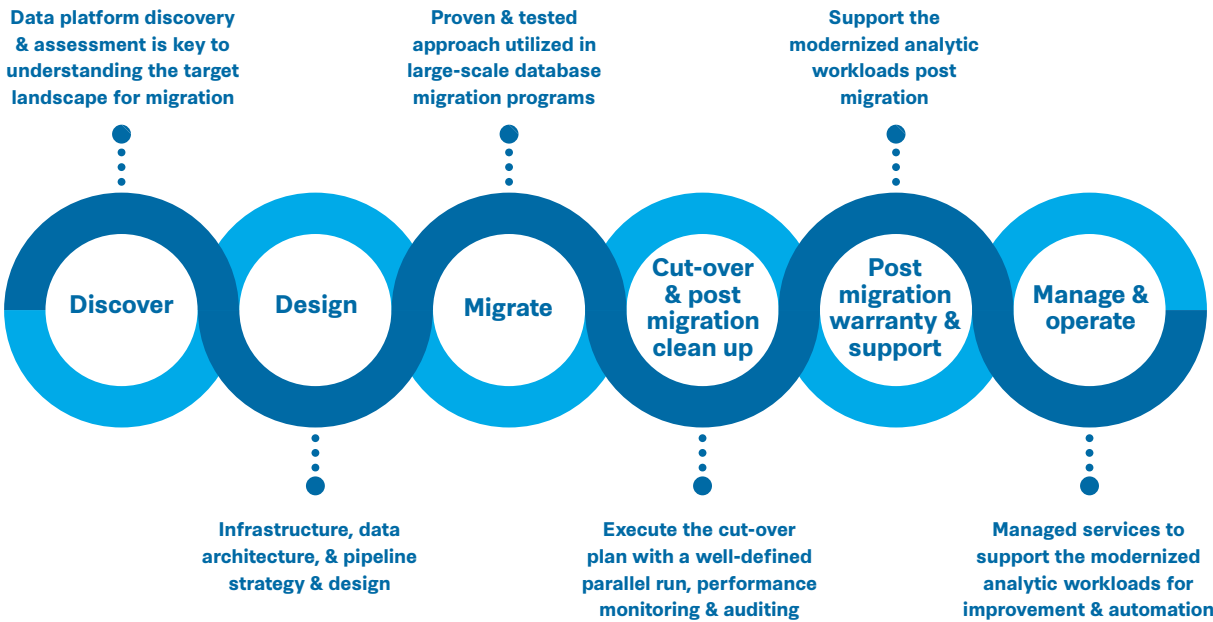
aws PARTNER Premier Tier Services

Amazon EMR Delivery
Amazon Redshift
Data & Analytics Services Competency

Rethink Data Technology

Legacy data platforms come at a high cost to organizations, often limiting their ability to offer leading-edge services to end customers. Operation and maintenance of legacy systems nearing their end of life are not only costly but also fraught with challenges. Unable to handle exponentially growing volumes and variety of data, these systems fail to meet evolving customer expectations. It is time for us to rethink data technology landscapes and modernize legacy platforms to be able to offer innovative digital features and capabilities that customers now expect.

Virtusa and AWS ProServe can help set up a scalable, cost-efficient, and reliable hybrid data platform. Whether you are using an MPP database (Teradata/Netezza/Exadata/Greenplum) or an RDBMS (Oracle, SQL Server, DB2), we can quickly and efficiently migrate your data to a cloud-native platform on AWS Cloud. Our robust hybrid design allows you to leverage the full potential of your cloud infrastructure combined with on-premise data containers. We can help you derive maximum value from your enterprise data warehouse at a much lower total cost of ownership (TCO) through data warehouse modernization.

Migration approach leverages Virtusa accelerators to fast track implementations

Data platform discovery & assessment is key to understanding the target landscape for migration

Proven & tested approach utilized in large-scale database migration programs

Support the modernized analytic workloads post migration

Discover

Design

Migrate

Cut-over & post migration clean up

Post migration warranty & support

Manage & operate

Infrastructure, data architecture, & pipeline strategy & design

Execute the cut-over plan with a well-defined parallel run, performance monitoring & auditing

Managed services to support the modernized analytic workloads for improvement & automation

Benefits

With Virtusa and AWS as your partner, your organization benefits from:

Extensive data management experience

Domain knowledge in industries such as BFS, Insurance, Healthcare, Life Sciences, and Telco

Cloud transformation expertise in many areas beyond Data & Analytics

Virtusa's proprietary engineering accelerators, such as Digital Transformation Studio, vDataAid, Data Lake-As-A-Service, PySpark Data Ingestion Engine, and vTransform

With Virtusa and AWS Enterprise Data Warehouse, you can expect:

30% **Faster results** by automating the development of the data pipeline

40% **Improvement in performance** when compared to COTS ETL tools with zero licensing costs

50% **Reduction in the effort** to build new data integration jobs

30% **Savings** using proprietary engineering accelerators

A leading health insurance company improved productivity by 30% by using Amazon Redshift

One of the world's leading health insurance companies turned to Virtusa and AWS when faced with a heavily manual, inefficient, error-prone data integration processes based on COTS ETL in its billing department. Growing data volume, as well as individual file sizes, had led to performance problems and required a new approach.

Virtusa re-architected their data integration layer with a parameterized, configurable open source data transformation framework to manage end-to-end functionality and developed a new framework using Sqoop, PySpark, AWS Glue Data Catalog, and Amazon S3. Because of this, they were able to process a full data-load for 10 dimensions with a peak processing record count of 16 million records and load 90 GB of data in approximately 30 min in their new production environment.

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 and AWS

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

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