Gopanza

Migration of SQL Server from Azure to AWS RDS

About the Customer

Gopanza is a leading e-commerce technology provider that digitally transforms brick and mortar grocers by facilitating online franchising.

Gopanza's technology enables customers to create and manage white label online stores (for desktop and mobile devices) including payments, self-checkout, delivery, inventory, loyalty, and shopping pattern analysis, all with real-time reporting.

Executive Summary ⌄

Gopanza, a leading e-commerce technology provider that digitally transforms offline grocers by facilitating online franchising, enables customers to create and manage white label online stores.
Gopanza needed to move all information from an Azure environment to AWS without negatively impacting customers.

The Challenge ⌄

Facing the need for a scalable, secure, and cost-effective database solution, Gopanza needed to seamlessly migrate their infrastructure in order to harness automated management.

Why ⌄

In support of its digital offerings, Gopanza sought AWS RDS' (Amazon Relational Database Services) auto-management capabilities to streamline database administration and drive operational efficiencies.

The Solution ⌄

Gopanza partnered with Nova to launch migration of their infrastructure to AWS, including computing clusters, databases, and applications.
AWS RDS was the best option to migrate Gopanza's SQL Server database as compared to Azure. The primary challenge with Azure was its non-support for .bak files when exporting databases. Azure instead generates .bacpac files, incompatible with RDS import.
As a fully managed database service, RDS powers the ability to set up, operate, and scale relational databases in the cloud without the need for managing the underlying infrastructure.

Impact ⌄

After Gopanza's initial migration, a series of tests were executed.

Gopanza was immediately able to see the significant benefits of using AWS RDS, including enhanced database management and reduced maintenance costs. Gopanza plans to leverage RDS' full feature set in the future, including multi-AZ, proxies, and integration with other AWS services.

Seamless

RDS allows for easy scaling of database instances to accommodate fluctuations in ecommerce traffic, ensuring seamless performance during peak periods.

High Availability

RDS leverages recurrent backups and multi-AZ instances to enhance the availability and reliability of database infrastructure, thereby minimizing the risk of data loss and downtime.

Encrypted

Data is encrypted in transit and at rest, ensuring strong data protection and database access security via a three-tier architecture.

Fully Managed

As a fully managed service, RDS enables easy database instance creation and configuration, handling software updates, backups, and configurations seamlessly.

About Nova ⌄

Nova is a company specializing in Information Technology Consultancy Services. All our team members have one thing in common: our enthusiasm for technology and our passion for customer service excellence. We provide services in all North America, LATAM and Europe. Our headquarters are in NYC metropolitan area, and we also have offices in Guadalajara, Mexico and Madrid, Spain.

50% cost savings compared to Azure

Enhanced database capabilities achieved quickly, easily, and with minimum effort, powering:

- ✅ Scalability
- ✅ Reliability
- ✅ Security
- ✅ Integration
- ✅ Rentability