datAvail

BI/Analytics • Applications • Databases

Case Study

Sports Recruitment Firm Scores with AWS EC2 Migration

This case study details how Datavail helped a sports recruitment software solutions firm migrate its SQL Server physical instances to the AWS EC2 cloud for improved performance.

datAvail

BI/Analytics • Applications • Databases

Connect with us to learn more!

877.634.9222 www.datavail.com

The Challenge

The recruitment firm wanted to migrate its physical instance into the cloud. Before it could accomplish the migration process, the client needed to know the right sizing of the AWS EC2 instance to support its operations.

Choosing the right compute, memory, and storage sizing for a database instance is essential for the best performance. Without this step, the database could end up underperforming and create server latency. The coaches who depend on this platform to manage their player recruitment strategies would have a bad user experience if the database lacked sufficient resources.

The Solution

Datavail took a three-phase approach to this database migration project to ensure that the instance met performance requirements, was thoroughly tested, and did not disrupt the user experience.

Phase 1 consisted of setting up the AWS EC2 instance, installing the appropriate tools to capture the performance baseline of the existing physical instance, migrating the database servers into a test environment, and finalizing the migration process.

We created a new virtual private cloud and a virtual private network for it to house the new instances created for Amazon ACS. New Windows instances were created to accommodate the ACS structure. Managed AV and Monitoring Tool were installed to keep an eye on the instances and to track important metrics.

The DB servers, File server, and CardDay server were moved to this cloud-based instance. We started moving the website and services as well, while setting up test URLs to test the structure and identify any potential problems with the migration.

We then added all of the binding to the actual website and moved the recruitment platform to Route53 and AWS. The database and application were stopped for the final database. The DNS records were updated for the last step of Phase 1.

Phase 2 focused on creating communication between the new VPC and existing VPC so they could talk to each other. The database server moved to the new VPC and the connections in the old VPC were updated and adjusted as needed.

Phase 3 moved the old VPC instances to the new VPC.

The Results

The three-phase process allowed Datavail to have accurate and complete information on the database server sizing needed for the recruitment firm's platform. The performance baseline of each database was taken into account during the migration, to avoid server latency and a negative impact on the user experience.

11800 Ridge Pkwy., Suite 125, Broomfield, CO 80021
877.634.9222 • info@datavail.com • www.datavail.com