

## Case Study

# Major Auto Manufacturer Migrates Application Portal to Azure Cloud

The client in this case study is the Canadian division of one of the world's largest automakers, which includes a corporate office, a manufacturing plant and over 100 dealerships. As a long-time Datavail customer, the client turned to Datavail again for help to modernize their aging on-premises application portal, migrating it to the Microsoft Azure cloud.

## The Challenge

Before reaching out to Datavail, the client's dealerships were accessing various enterprise applications through an obsolete software portal using Microsoft SharePoint 2010 and Unified Access Gateway (UAG). These technologies had long since passed the Microsoft end of support date, exposing the client to security vulnerabilities and business continuity risk. What's more, the client lacked in-house personnel with SharePoint expertise, making the portal harder and harder to support and maintain.

The client wanted to upgrade this portal and migrate it to Azure Cloud as part of their large-scale IT modernization strategy. Datavail was a natural choice for this initiative, having already completed multiple Microsoft projects for the client (not to mention Datavail's status as a Microsoft Gold Partner).

## The Solution

By moving its application portal to Azure Cloud, the client hoped to improve the software's availability and ease of access while lessening its support and maintenance obligations. Datavail first developed a project roadmap and gathered requirements, and then built out a modern software portal in Azure Cloud, using .NET Core 3.1 and Angular 8 as a front-end framework. Other technologies used in the project included:

- Azure App Service for building and hosting web applications.
- Azure SQL Database for storing information.
- Azure Key Vault for encrypting sensitive data (e.g. connection strings).
- Azure Cache for Redis for high-performance, low-latency data storage.
- Azure Active Directory with single sign-on (SSO) for connectivity and ease of use.
- Azure DevOps build and release pipelines for continuous integration and continuous delivery.
- Datavail also helped the client build an identity management (IdM) solution to manage access to the applications within the portal, with fine-grained control for different users and user groups.

## The Results

By working with Datavail, the client has achieved the following results:

- A modern application portal running in the cloud, with benefits including high availability, ease of access, and fewer support and maintenance obligations.
- Easier identity management for users and groups with just a few clicks.
- Improved user experience with the portal, thanks to a modern, responsive, mobile-friendly redesign.

Looking to complete your own Microsoft Azure cloud migration? Datavail can help. As a Microsoft Gold Partner, Datavail has the extensive knowledge and experience our clients need, with hundreds of Azure migration projects successfully completed. Our Azure cloud migration projects include:

- Performing a cloud readiness assessment and a total cost of ownership (TCO) analysis.
- Creating a cloud migration roadmap and strategy.
- Application development and migration, including architectural concerns, design and software upgrades.
- Database migration and refactoring for minimal downtime.
- Cloud data analytics, including ETL, data warehouses, reporting and dashboards.

Looking to embark on your own modernization project to Azure Cloud? Datavail can help. [Get in touch with our team of Microsoft experts today](#) for a chat about your business needs and objectives.