



Case Study

Cloud Transformation - Retail & CPG

A Fortune 500 Beverage Company Reduces its Application Maintenance Costs by 40% with Azure Cloud Transformation

Customer Profile

- The world's leading brewer with the most comprehensive variety of beverages under its brand portfolio
- Global presence and operations across 100+ countries with revenues of \$236+ Billion and 170k+ employees

 Revenue: \$236+ Billion  Employees: 170K+

Problem Statement

The client's monolithic web applications required high maintenance costs and IT Infrastructure to manage business data. Also, the applications had a few security vulnerabilities that had to be fixed and involved the implementation of data security safeguards to enable restricted user access. They were looking for a highly scalable and remote working solution to migrate the existing on-premises applications & databases, such as ASP.NET, SQL, and SSRS, to the Azure environment.

Technical Challenges

- Managing the highly monolithic ASP.NET application
- All the business data were scattered based on Region, Area, and Country
- All documents were maintained within the application server
- Duplicate stored procedures existed for the same functionality
- Migrating applications to cloud with minimal code optimization

Business Challenges

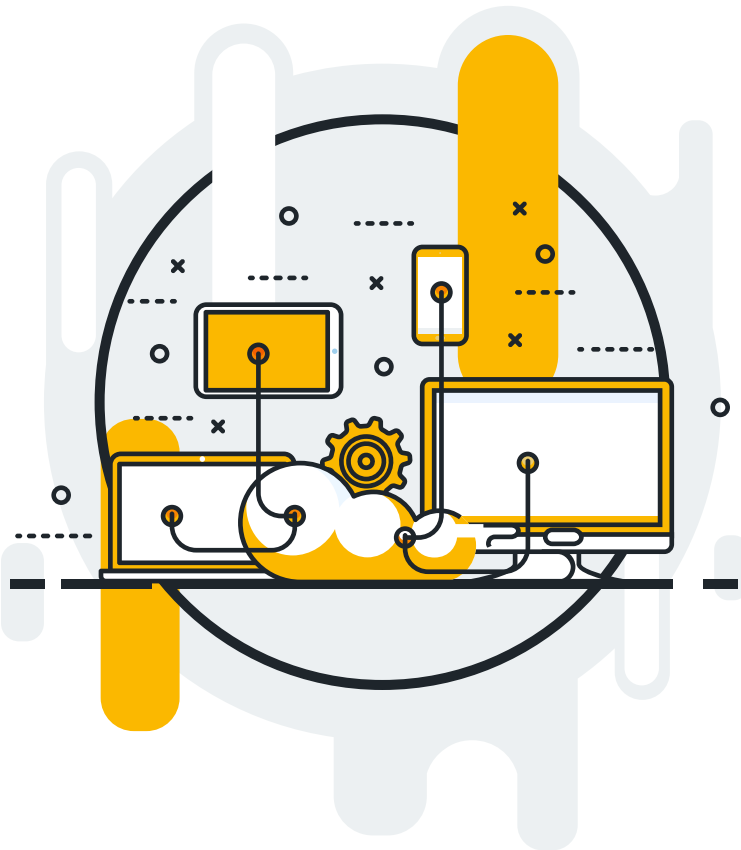
- Web applications were not responsive and highly challenging to enable remote working solutions
- The applications were not scalable based on business functionality
- Integration of new modules with the existing application functionality was a major roadblock
- No proper role-based authentication for the application, which was a security risk

The Solution

We leveraged amaze®, our proprietary automation-led cloud modernization platform, to accelerate the migration of their applications and corresponding database with minimal code optimization. The legacy applications were moved to cloud with a considerable TCO reduction. The roadmap for migrating the legacy ASP.NET applications to the cloud environment involved the following steps:

Container Transformation: Involved transformation by decomposition of the service layer of the legacy ASP.NET monolithic business logic into smaller functional-based microservices. The individual ASP.NET application was transformed into microservices and replatformed to cloud. The on-premises SQL Database was replatformed to Azure SQL Server, and SSRS reports to Power BI reports on Azure Cloud. The milestones are listed below:

- Decomposed the Legacy ASP.NET application into a common library and microservices based on business functionality
- Migrated and hosted Azure Kubernetes Service (AKS), enabling access to the applications even from remote locations
- Built the front-end on React and ensured that all the pages were fully responsive and compatible with multi-device support such as Tab, Mobile, and Desktop/Laptop
- Enabled Single Sign-On (SSO), which provides easy user access to the applications
- Automated migration of on-premises application data to Azure Microsoft SQL Server
- Migrated SSRS reports to Power BI
- Optimized performance using caching, dapper framework, and parallel processing
- Migrated to a cloud-agnostic solution to support auto-scalable requirements based on business needs
- Migrated the application from legacy .NET to platform-independent .NET Core Framework
- Integrated DevSecOps tools such as GitLeaks, SonarCloud, Check-Marx, and Snyk Report to capture vulnerability issues, improve code quality, and avoid security leaks
- Stored documents in Azure Blobs
- Integrated the Azure Active Directory
- Implemented fully automated CI/CD pipelines for containerized microservices





Tangible Benefits

- **60%** reduction in manual efforts due to the automated deployment process
- **40%** cost reduction in application maintenance
- **40%** reduction in access and business data maintenance cost
- Eliminated existing on-premises IT setup costs



Intangible Benefits

- Remote and platform-independent application access for end users
- Function-driven micro/macro service segregation reduced the time to market
- Optimization of overall IT expenses and increased cloud footprint



About Hexaware

We are a global technology and business process services company empowering businesses worldwide to realize digital transformation at scale and speed. Our platform-enabled strategy – featuring Amaze® for full cloud enablement, Mobiquity™ for digital product engineering, and Tensai™ for extreme automation – drives human-machine collaboration to create immersive customer experiences and solve complex business problems. We believe technology is a magical thing, and our purpose is to create smiles through great people and technology.

With corporate headquarters in Mumbai and regional headquarters in New Jersey for North America, London for Europe, and Sydney for APAC, our 28,000+ Hexawarians service customers in over one hundred languages from every major time and regulatory zone. We serve customers in banking, financial services, capital markets, healthcare, insurance, manufacturing, retail, education, telecom, hi-tech & professional services, travel, transportation, and logistics. We deliver highly evolved services in rapid application prototyping, development, and deployment; build, migrate, and run cloud solutions; automation-based application support; enterprise solutions for digitizing the back-office; digital product engineering; business intelligence & analytics; digital assurance; infrastructure management services; and business process services.

Learn more about Hexaware at <https://www.hexaware.com>.

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