

Case Study

Digitally Transform a Business Intelligence Platform to Cloud

The Client

The client is a forward-thinking management consulting firm that operates across multiple continents, including the North America, Europe, and Asia. Their primary objective is to help major corporations tackle their most intricate and crucial challenges.

They specialize in maximizing the potential of a company's existing strategy by conducting thorough analyses of their operations and expenses. This leads to the identification of effective solutions that bring tangible financial advantages. The client's expertise lies in three key domains: Performance Improvement, Strategic Services, and Business Analytics.

The Challenge

The client relied on an outdated and fragmented data analysis system.

To overcome its limitations and accommodate growth, they migrated to a centralized, web-based application. The new system aimed to improve scalability, query ability, reporting, and user experience.

New Functionalities

- ✔ Transition from a fragmented desktop environment to a cloud-based, multi-user web application.
- ✔ Enhance user experience and productivity through a user-friendly interface.
- ✔ Enable multiple users to work concurrently on the same dataset.
- ✔ Consolidate a dashboard for efficient analysis and querying of centralized data.
- ✔ Support data and report exports in user-defined formats
- ✔ Ensure superior performance and scalability for large datasets.
- ✔ Manage security and provide appropriate data access levels for different users.



Solution Highlights

The client received a suite of highly efficient applications that offered extensive functionality, ensuring ease of use and administration.

- ✔ **Flexible Data Management:** Load multiple file formats (Excel, CSV) into SQL Server. Automate bulk insertion of large files. Easily clone, rename, or delete data groups.
- ✔ **Indexing and Dimension Management:** The system offers an intuitive approach to creating multiple indexes and dimensions for efficient data analysis.
- ✔ **Intuitive Dashboards:** Utilize lightweight, customizable third-party controls for rapid presentation and filtering of cube analytics data. Enable instant display and filtering across multiple dimensions and grids.
- ✔ **Enhanced Data Extraction:** Deliver paged, sorted, and grouped data extracts for business users, exportable to Excel. Users to configure business rules independently to generate customized reports
- ✔ **Quick Mapping and Editing:** Once the data is captured and indexed it is important to be up the data and map it into different categories as well as change the hierarchies to help with the data analysis

Technology Environment

Telliant worked with the client to identify/create the most suitable tech-stack for the project to include the following

LANGUAGES

- ASP.NET 4.5
- J Query
- C#.NET
- JavaScript
- CS S

PLATFORMS/SERVERS

- SQL Server
- MS Entity Framework 4.0

Architecture:

- MVC 4.0 with RazorView Engine
- AJAX
- JSON

INTEGRATIONS

- Sencha and Flexi Grid controls.

Cloud Environment:

- Amazon AWS EC2
- Windows 2008 R2 Servers

Results Achieved

Delivered application: Feature-rich, scalable, and easy to administer. Cost-effective with user-friendly interface, increasing productivity. Supports concurrent multi-user access and seamless scalability.

About Us

Telliant Systems, offers a diverse selection of custom software product development services, such as product strategy, software design, application development, QA/Testing, and application management services. Expert teams are available to develop web, enterprise, and mobile applications, including iOS and Android development.

