



Kiosk Application



SQL Server 2005 Reporting & Analysis Services – Case Study

The Summary

Client was looking forward to develop a kiosk application for one of the largest risk and insurance conferences. The primary expectation from the application was to provide users with interactive tools to create awareness of risks and help them gauge their readiness for various risks in comparison with others in their industry in the form of reports.

The Client

Client is the world's leading risk and insurance services firm, has nearly 30,000 employees and annual revenues exceeding \$5 billion. They provide global risk management, risk consulting, insurance broking, financial solutions, and insurance program management services for businesses, public entities, associations, professional services organizations, and private clients in over 100 countries.

The Business Requirement

Client was looking to develop a kiosk application to be hosted during RIMS (Risk and Insurance Management Society, Inc.) 2006, Annual conference at Honolulu, Hawaii. This conference is to be attended by executives from insurance and risk management companies and risk managers and finance managers from corporate world.

The application was expected to provide participant registration and interactive tools related to various risk areas like Climate, Casualty benchmark, Property Benchmark, Pandemics and so on. The tools were expected to help the visitors to analyze market trends based on industry, market segment, and geographical location over a period of time and also a facility to compare his organization's standing vis-à-vis the industry trend.

Each visitor was expected to get a personalized copy of the report in printed as well as electronic format. Data privacy is to be maintained so as participants cannot see others reports.

The Solution

AG Technologies developed kiosk application, which provided visitors with user registration and access to interactive tools that captures user's inputs for industry, market segment, geographical location and his organizations statistics. Date recorded in the user registration was used by default for analysis, which the user can override for each tool.

Application provided a DTS based interface to refresh industry reference data used for analysis and reporting.

Project Summary

Industry: Services

Client Profile:

Client is the world's leading risk and insurance services firm.

Business Requirement:

To develop kiosk application

Solution:

The kiosk application provided visitors with user registration, access to interactive tools and captured various user inputs

Solution Benefits

- Customizable and re-usable component.
- Report layout can be enhanced.
- Reports are disintegrated



DTS packages were designed to normalize the source data and persist to give highest reporting performance. Solution also provides graphical outputs for analytical data representation, which can be customized to use various graph types and scales.

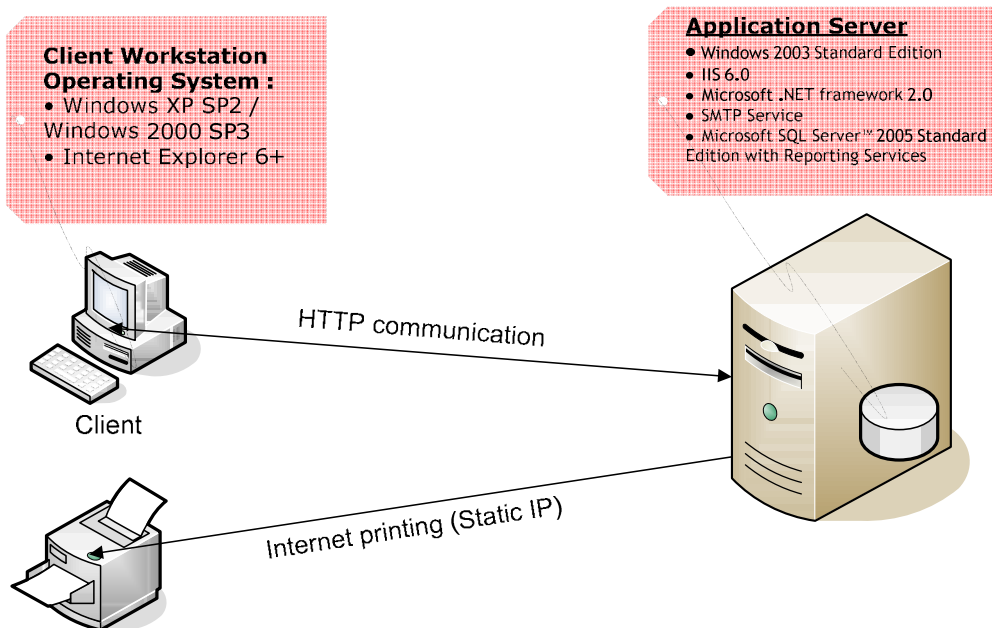
Further, Information secrecy was achieved by processing the report in the background within SQL Server Reporting Services. The generated output is directly sent to the participant on his e-mail id. The report output is also directed to the printer at the conference site, without displaying it on the client workstation.

Application also provides the kiosk administration tool to supervise participant activity from the centralize location. Various system reports like, tools usage, kiosk tracking activities are also available.

The Solution Architecture

Application was designed in a typical multi-tier architecture, with clear distinction between Presentation, Business and data layers. Presentation layer consists of ASP.NET 2.0 pages those was capable of handling both server-side and client-side processing. Server side functionalities in turn use business and data layers developed in C#.NET classes.

Data layer in turn communicates to SQL Server 2005 database. Application server requests for corresponding report to SQL Server Reporting Services with relevant user parameters. This report processing is done in the back-ground without actually rendering the report output to the kiosk workstation.





AG Technologies

Technology and Tools

Operating System:

- Windows Server 2003

Language:

- ASP .NET & C#

Database Server:

- SQL Server 2005 & SQL Reporting Services

Browsers:

- Microsoft Internet Explorer version 6.0+

Network Configuration:

- Servers hosted by MSC at MSC facility

The Solution Benefit

- Solution provided by AG Technologies is fully customizable and re-usable for any subsequent conference with relevant reference data updated.
- Reports are disintegrated with the application
- Report layout can be enhanced without changing the kiosk-application.