



Data Integration and Reporting Solution



SQL Reporting and Integration Services 2005 - Case Study

The Summary

The primary role of the Directorate was to generate official statistics for different departments and agencies within the state. The current reports were prepared from the legacy system and this was a cumbersome process. AG Technologies provided a solution using SQL 2005 Integration and Reporting Services that provided report automation, reduced report generation time and, thus, enhanced productivity.

The Client

The Organization functions as a principal statistical organization of State Government, which is administratively under control of the Planning Department at Mantralaya. The main functions of the Directorate are to collect official statistics, to collect data through surveys, censuses and type studies on such matters for which official statistics are inadequate; to analyze the data so collected; to undertake evaluation of important programmes; to bring out statistical publications regularly; to impart training to statistical personnel; to co-ordinate the work of statistical sections in different departments of the State Government and give them technical guidance and to give advice to the State Government on economic and statistical matters.

The Business Requirement

The Directorate generated official statistics through reports and the data collection was done through surveys. The Directorate carried out surveys and collects the data. The data was then validated manually and stored in the COBOL based legacy system. The report was generated using C based custom programs and stored in text files. The current process was cumbersome, error prone and manual. The client needed a centralized reporting solution for the department to replace a legacy application that was facing increasing performance problems.

The Solution

AG Technologies used SQL Server 2005 as the platform for the solution. The following elements were used for the solution:

- SQL 2005 as the data repository
- SQL 2005 Integration Services for data aggregation from text files to SQL 2005 database
- SQL 2005 Reporting Services for efficient reporting in a variety of formats, with a range of interactivity and printing options.

Project Summary

Industry: Government

Client Profile:
Statistical Organisation of State Government

Business Requirement:
Wanted to move from the cumbersome and legacy reporting system

Solution:

Microsoft SQL Reporting services with Analysis services solution for the new reporting structure that is both dynamic and quick.

Solution Benefits

- Achieved improved response time
- Lower transaction costs
- Reduced administrative costs
- Enterprise-class scalability and availability
- Improved ease of use
- Reduced Reporting time by 80%



AG Technologies

Technology and Tools:

- Microsoft SQL Server 2005
- Microsoft SQL Server 2005 Reporting Services
- Microsoft SQL Server 2005 Integration Services
- Microsoft SQL Server 2005 Analysis Services

The Solution Benefit

Microsoft SQL Server Reporting Services enabled organizations to transform valuable enterprise data into shared information for insightful, timely decisions at a lower total cost of ownership. Some of the benefits include the following.

- **Reduced reporting time by 80 Percent:** Reduced the reporting time from 1 week to less than 1½ days. This allowed faster analysis since the data was available when needed. The end users could create reports faster and make them accessible by using SQL Server 2005 Reporting Services compared to the Access-based application
- Robust extract, transform, and load (ETL) support
- **Flexible reporting options:** with SQL reporting services the organization can shift away from static reports to dynamic information. The new reporting solution gives user the ability to extract the depth of information and analysis that the organization needed.
- **Easy to use:** The SQL reporting services is very easy to use and very intuitive
- **Yielded Significant Time and Cost Savings:** By changing how information is gathered and reported, client had cut some of the resource cost. The static report generated by prior system included unnecessary data also which required manual review for the desired information. The new solution offers direct access to the data.