



Case Study: Leading Media Group in South Africa

Company:

This Migration project was carried out for the group, which used Mindpack for Programme Budgeting, Contracts & Licensing, Planning and Scheduling, Media management and financials for their services and television channels across South Africa and rest of Africa.

Project Description:

The project is a reengineering project with data migration as integral part of it. The existing system was in Oracle forms and reports and was reengineered to .Net with WCF framework. Data Migration was one of the most critical components of this project, where data of the group was migrated from Oracle 8i to 11g. Below mentioned problems were addressed while performing data migration for these two systems.

- Lack of Referential Integrity between different tables
- Lack of constraints
- Inadequate indexes
- Data Redundancy
- Removal of unwanted tables and columns from target database

Tools and Technology:

Nihilent adopted a tool based approach in order to migrate the data. Client preferred to use Oracle 11g on windows 2008 platform for the target (To-be) system. Nihilent had done extensive study on different tools for data migration and finally preferred to use Oracle warehouse builder (OWB) to migrate data from source Oracle 8i to Oracle 11g



Nihilent's Role:

- Nihilent was responsible for end to end execution of this project; Data migration was an integral part this exercise
- Nihilent had migrated the clients data into different environments like Development, QA, PreUAT, UAT and Production
- Nihilent had identified critical data and had performed reconciliation between the source and target system which had ensured the correctness of data migrated
- Nihilent provided different migration statistics and trend analysis of migrations carried in various environments
- Nihilent supported the client during their parallel run and reconciling data between both the systems

Challenges:

- Identifying redundant data was a major challenge
- Nihilent had done an extensive data analysis and were able to impose referential constraints on different tables in order to eliminate the unused data
- Usage of Oracle warehouse Builder (OWB)
- Similar data between both entities of the group were identified and implemented a single data structure for ease of use and maintenance

Business Benefits:

- Removal of redundant and Junk Data in target database
- Enhanced Security Measures
- Faster response time and flexible database structure