

Data Warehousing the data of one of the largest banking institution

The Client

The client is a group of financial institutions serving large organizations and the governments.

The Challenge

The client is a huge organization. The data to day transactions and activities results in huge amount of data getting accumulated on day-to-day basis.

The Objectives

- Provide a data warehousing solution as per the client's requirements
- Tune the database servers
- Provide the client with the tools to migrate the data between different databases

The Solution

- Implementation of the complete ETL Process with Informatica and Oracle PL/SQL.
- Tuning of the database System as well as the Application. Used CBO (Cost Based Optimizer) & Optimizer Hints for getting maximum throughput from the System.
- Implementation of IOT (Index Organized Tables), Locally Managed Tablespace for the optimal performance of Oracle database.
- Migration of Production, Test and Development databases from 9.0.2 to 10g.
- Tuning of Oracle internal structures like latches, free lists for achieving the best database performance.
- Use TKProf & Explain Plan Utilities for tuning individual SQL Statements & Trace Files.
- Development and implementation of a conversion strategy for the Data Warehouse historical data.

Tools and Technologies used

- Oracle 9iAS (Database)
- Perl, PL/SQL (Languages)

- Sun Solaris (Operating System)
- Informatica