

Centralized real-time alerts and reporting for 40 financial institutions streamlines process and improves compliance



Client

- An independent commercial institution that collects and maintains credit and personal data for the mutual benefit of various banks and financial institutions of a country in the Middle East
- Under the direct supervision of the Central Bank and the Ministry of Commerce and Industry and owned by member banks and institutions

Need

- Provide historical search facility for lenders and the Central Bank
- Furnish information on loan status to enable evaluation of loan performance by the Central Bank
- Create consolidated reports on inquiry, defaults, approvals etc. at various levels of grouping
- Facilitate archival and retrieval to provide a comprehensive view of customer credit standing over a period of time

Approach

- Implement a flexible reporting and full parameterized alert system based on credit bureau information
- Build a robust data warehouse to support real-time reporting and large volumes of data, and provide sufficient control to ensure data protection

Results

- Improved processing time for reports with more than 160 million records
- Automated solution to generate reports
- Streamlined process to transform data from more than 40 institutions
- Centralized alert monitoring system to ensure policy enforcement
- Ad hoc reporting tool to allow end user customizable reports

Comprehensive reporting of credit information for better understanding of banks' credit portfolios

The main task was to develop a credit bureau reporting system based on a Central Bank mandate to help generate pre-defined reports on the operational and business activities related to credit decisions of member banks and other lending financial institutions.

The scope of work also involved creating an alert mechanism that allowed defining credit policies and exceptions to those policies based on transactional data from banks.

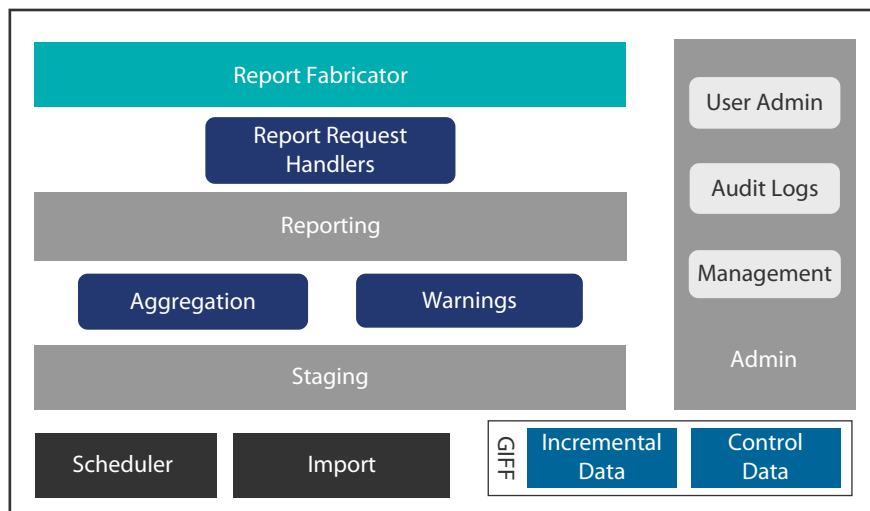
The IM scope broadly covered the following:

1. Data import utility with validation, transformation and aggregation
2. Report processing engine
3. Alerts engine and monitoring module
4. Module for ad hoc inquiry and searches on the data warehouse

The D&B expertise: comprehensive credit report creation and data warehousing setup

The project initiation phase involved a detailed business consultation exercise to finalize the scope of requirements, understand legal requirements, conduct a gap analysis on data availability and identify technical challenges. The outcome of the exercise allowed D&B to develop a web-based, integrated data warehouse and BI solution comprising:

- Centralized database and data repository
- Customized ETL for data acquisition and transformation
- Reports engine to process more than 80 reports from 3 million records on a weekly basis
- Configurable alerts management engine set with more than 100 business rules triggered by import of data
- Utility to compare current data with historic data on any data corrections related to credit decisioning



A partnership that offers strategic business solutions

The D&B solution enabled faster reports processing time and streamlined the process of data transformation in more than 40 banking and financial institutions. A centralized alert monitoring system ensured enforcement of rules and regulations. The solution also generated automated reports pertaining to sanctioned loans and enabled the Central Bank to understand the level of indebtedness within a bank's credit portfolio.