



Case Study

Eliminating T-2 Source Delays and Automating 3 Extraction Methodologies via Real-Time Qlik Replicate & Compose Integration

Client Overview

Life insurance enterprises require high-speed data availability to satisfy regulatory mandates and maintain efficient daily reporting. This case study details the modernization of a prominent IRDAI-registered life insurance provider's data infrastructure. By implementing Qlik Replicate and Qlik Compose, the organization successfully overcame batch processing limits and T-2 data delays—automating ETL generation, integrating 3 specialized extraction models, and unlocking real-time data streaming across Oracle environments.

The Challenge?



Source Reporting Lags

Data delays spanning from day-end to T-2, creating severe bottlenecks in business reporting.



Batch-Restricted Ingestion

Total absence of real-time data pull mechanisms, placing unnecessary processing overhead on day-end workflows.



Manual Integration Dependencies

Protracted development and deployment cycles caused by heavy reliance on manual maintenance routines.

Solution Delivered



Optimized Oracle Endpoints

Establishment of robust, secure endpoint connections across source and target Oracle databases.



Real-Time CDC Governance

Deployment of Qlik Replicate for frictionless creation and management of live data capture jobs.



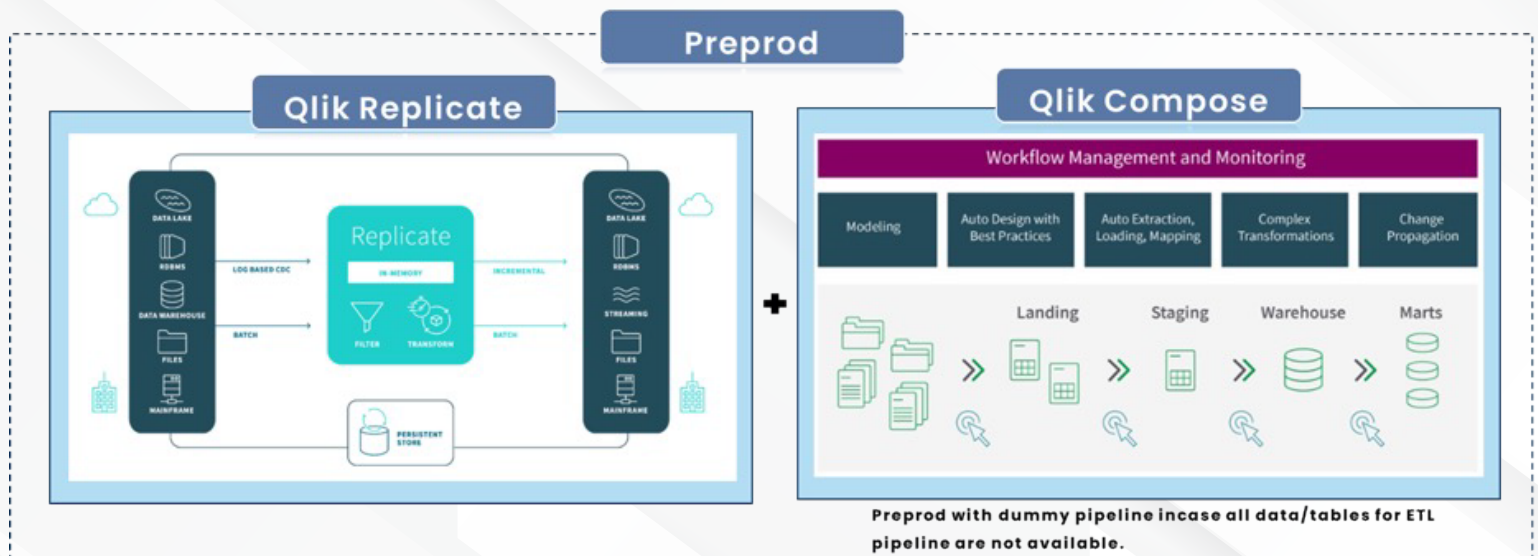
Multi-Method Extraction Framework

Implementation of three distinct extraction strategies (SQL queries, Procedures & Functions, and Materialized Views) for comprehensive data capture.



Automated Business Logic Integration

Translation of legacy SSIS and stored procedure logic into automated staging pipelines and data marts via Qlik Compose.





Interested in a customized solution designed to meet your unique requirements and achieve comparable results?

At Exponentia.ai, we partner with businesses to address complex data challenges and build trust in enterprise data. Our approach helps organizations streamline data management, improve visibility, and empower teams with reliable insights for better decision-making.

Engage with Us



www.exponentia.ai



engage@exponentia.ai



US



UK



UAE



IND



SGP

The Impact

Eliminated Reporting Latency

Replaced slow batch routines with immediate, real-time source feeds via Change Data Capture.

Automated Pipeline Lifecycle

Deployed integrated tasks that seamlessly execute initial full loads before switching automatically to live CDC monitoring.

Streamlined Enterprise Architecture

Modernized data warehouse and data mart population routines to support rapid business intelligence consumption.

Reduced Costs and Risks

Automated ETL code creation to shrink development time, lower operational costs, and mitigate human error.

Outcome

Transitioning from rigid batch frameworks to automated, real-time data integration is essential for modern insurance operations. By deploying Qlik Replicate and Qlik Compose, this leading life insurance company successfully eliminated historical reporting lags and streamlined its data pipeline lifecycle. The solution delivers the speed, automation, and architectural reliability required to support secure, data-driven insurance administration at scale.