

A leading Australian bank increases productivity by 60% by switching to AWS cloud and Talend

Challenges

Our client was overwhelmed by the rising cost of maintaining a legacy data warehouse and running inefficient ETL tools for its home loans business unit

Key challenges include:

- **High operational and maintenance** costs of the legacy data warehouse
- **Delayed data retrieval** slowed down the reporting of home loan transactions
- **Insufficient data** for downstream dashboards and machine learning (ML) applications
- **Rising licensing costs** of the incumbent datastore

Solution

Virtusa built a proprietary data platform solution on AWS by leveraging the data vault model and replaced incumbent ETL tools with Talend

- The data platform was **equipped with dashboards** helped track staff performance against targets, improving overall productivity.
- Data was loaded into **the staging layer using** a framework designed on Spark & Scala with the source data available on AWS S3 buckets
- **300 business rules** were implemented across 75 attributes.
- Views were created **using HIVE scripts**
- Tableau extracts were created using **Talend**
- **760K accounts** were processed.
- Data **platform generated revenue** and regulatory reports for monitoring growth and ensuring compliance.

Value delivered

Virtusa helped the client achieve operational excellence, reliability, and cost optimization by building a data platform on AWS.

Key business benefits include:

- **60% increase** in operational efficiency
- **3x reduction in cost** with Talend as compared to existing ETL tools