

DESIGNING & BUILDING A CENTRALIZED REPOSITORY OF DATA

Faster Data Access



For analysis throughout organization

Storage Efficiency



Ability to store diverse data types quickly

High Data Quality



Reduce effort in data cleansing

Greater Scalability



Allows to handle volume growth

The Client

An urban microfinance non-government company in India with 1.8 lakhs customers

Industry

NBFC-MFI

Overview

A Non-Banking Financial Company- Microfinance Institution(NBFC-MFI) that caters to the financial needs of the low-income segment of the society. The company has a loan portfolio of 255 crore rupees, with 1.8 lakhs customers in four states through 52 branches.

Business Challenge

Information is captured in different formats (text files, images, videos) and stored in databases, across multiple servers with varying redundancies. Data capture requirements increase with each additional feature/software development, hence the client desired to have an intelligent secured central repository for data.

Our Approach:

Design data storage & management policy through following steps:

- Ingestion pipelines to extract raw data & move to a staging area.
- Perform data pre-processing and transformations on the staging layer data and ingest it into the target database.
- Design separate pipelines for historical & incremental data.

Outcomes

- ✓ Eliminates manual tasks of searching data to create reports.
- ✓ Allows to store any data format without any preparation.
- ✓ Ability to create data marts in future & efficiently run multiple analytics.
- ✓ State of the art, secured and access policy ensured.