

## WORKLOAD MIGRATION SOLUTION

# Automated Transformation of Complex Netezza Procedures to Hadoop

Large Cable Company Uses Automated Toolkit for Risk-free and Simplified Transformation

## Client Overview

A leading US-based cable television company service provider wanted to minimize data storage and processing cost by transforming from Netezza to Hadoop-based system with minimum risk to ensure data integrity and quality.

## Requirements

In an effort to move from Netezza to a Hadoop-based system, the client wanted the following:

- Convert Netezza procedures into Hive compatible scripts
- Migrate relevant schema and data sets
- Execute transformed procedures on Hive
- Verify transformed procedures

## Workload Transformation Solution

Impetus used the Workload Transformation Solution to automatically transform data and procedures from Netezza to equivalent Hive compatible scripts.

The following tasks provided end-to-end migration of data and transformation of procedures from Netezza to Hadoop using the Impetus Workload Transformation Solution:

1. Achieved 88% automated transformation of Netezza procedures into Hive compatible scripts
2. Migrated the data set onto Hive

## OBJECTIVE

To minimize data and workload transformation cost using automated transformation tools.

## SOLUTION

The Impetus Workload Transformation Solution provided 88% automated logic transformation of Netezza procedures and related schema into Hive compatible scripts.

3. Executed transformed procedures on the Hive environment
4. Verified transformed procedures by validating the output against Netezza results

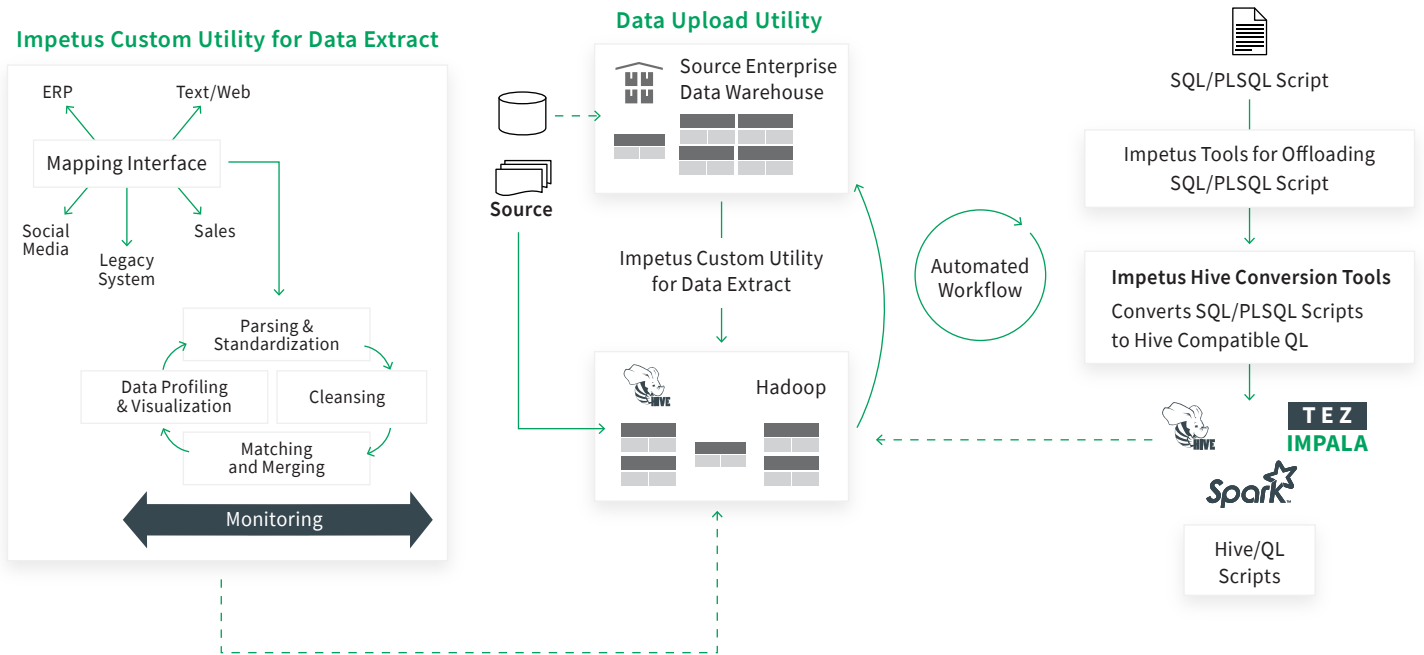
With a proven methodology and automation tool sets, the Workload Transformation Solution automated the following:

- Schema and data migration
- Quality check for data migration
- SQL scripts and procedures migration

The solution also enabled an end-to-end pipeline for Hadoop, thereby reducing the risks associated with transformation.

## BUSINESS BENEFITS

- Enhanced productivity by automatically transforming 88% of queries into equivalent HiveQL
- Reduce data migration cost with tool-based migration
- Minimized risk, data validation and quality check to ensure data integrity
- Optimized performance, automated enforcement of Hive optimizations
- Built-in recommendation for partitioning, clustering and number of buckets based on dataset



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## IMPETUS

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