BROCHURE

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Accelerate Data Modernization Journey to GCP Smart Analytics Solutions

Canvas Eureka Overview

Data modernization is a critical aspect of digital transformation initiatives that organizations are embarking upon. Today, more than ever, organizations are producing and consuming diverse datasets and data volumes at a rate that current legacy data warehouse and on-prem systems simply cannot scale fast enough.

In this context, organizations are migrating to GCP smart analytics solutions that are not only serverless with overall lower TCO, but also to take advantage of cloud-native services, real-time analytics, and AI/ML innovations to deliver more value to the business. Migration of existing solutions is a significant activity before adopting cloud-native data solutions and activating new use cases.

However, migrating can be complex and challenging leading to delays, high costs, and failures.
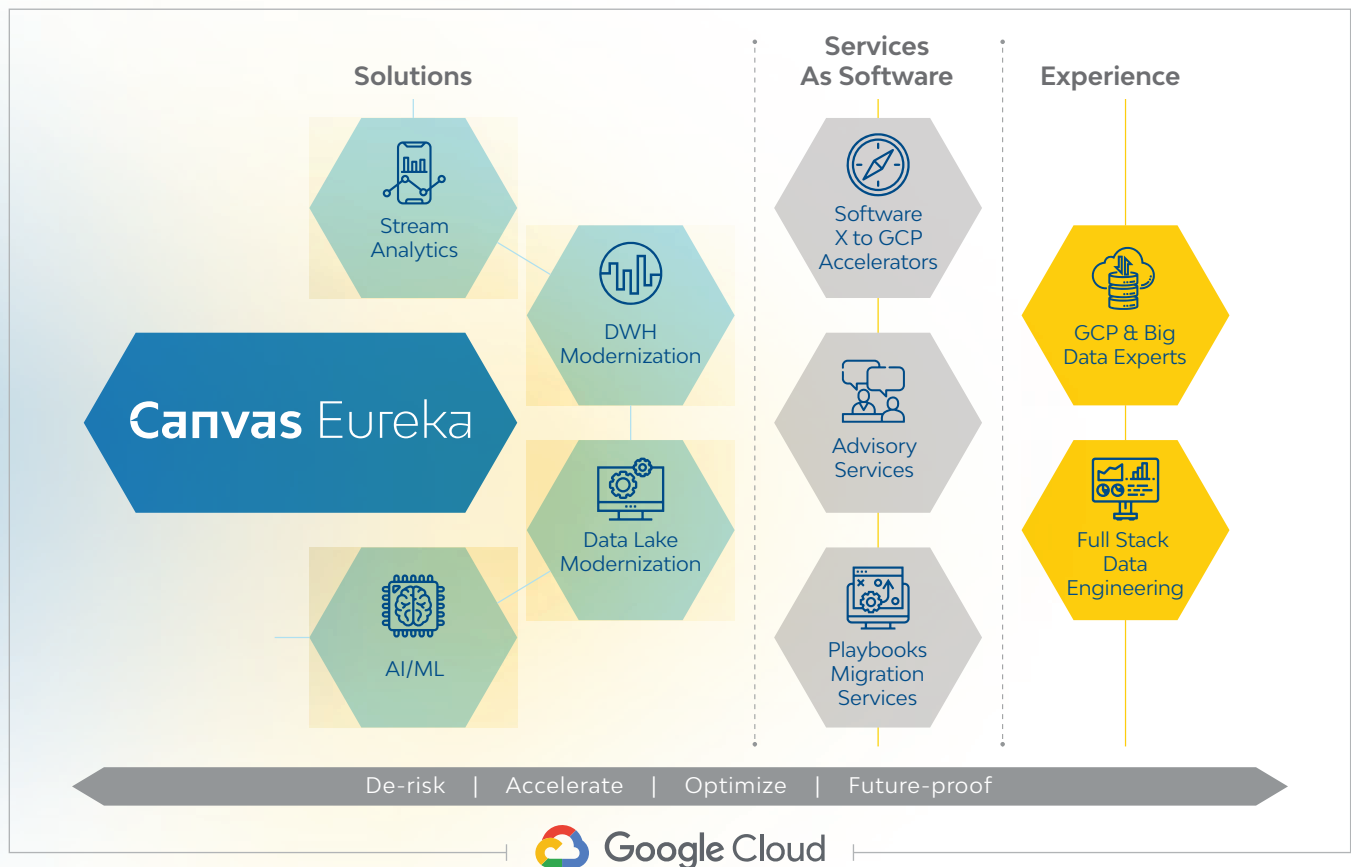
1

The legacy data warehouse with proprietary extensions and with accumulated tech debt over decades

2

The Hadoop-based data lakes with inconsistent and poor data quality, complex data pipelines, and a multitude of technologies

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Canvas Eureka addresses the core challenges of migrating legacy data solutions to GCP smart analytics solutions, making your data transformation journey timely, and predictable, and cost-effective, while de-risking and easing the transition path.
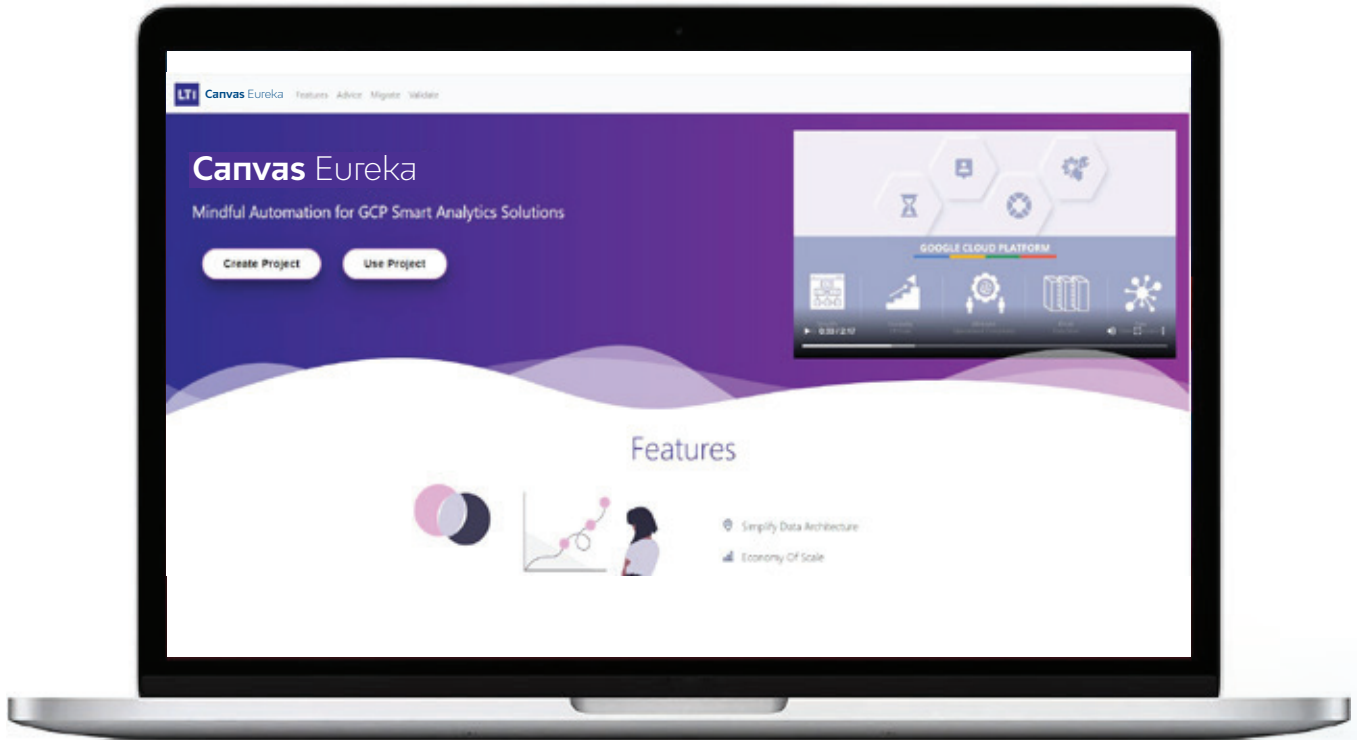

Solutions

- Stream Analytics
- DWH Modernization
- Data Lake Modernization
- AI/ML

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Services As Software

- Software X to GCP Accelerators
- Advisory Services
- Playbooks Migration Services

Experience

- GCP & Big Data Experts
- Full Stack Data Engineering

De-risk | Accelerate | Optimize | Future-proof

Google Cloud

Advice

- ☑ Business Case
- ☑ TCO Calculation
- ☑ Solution Selection
- ☑ Target Architecture
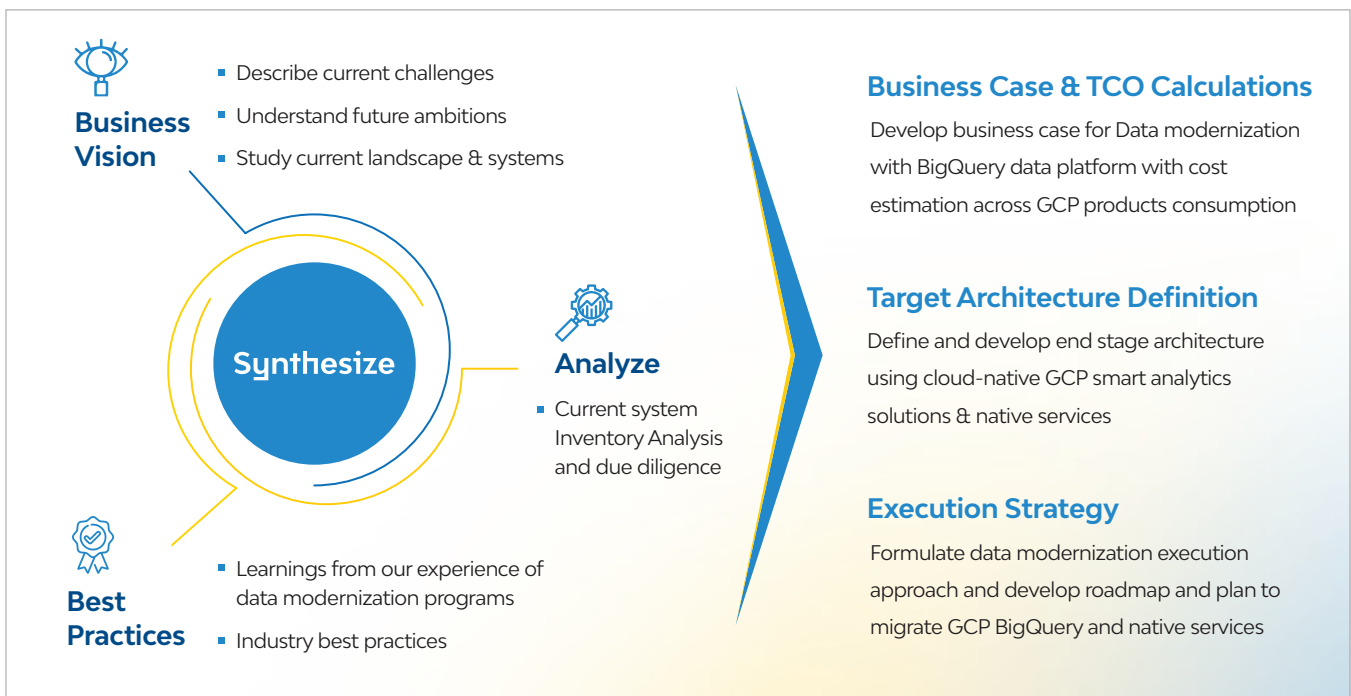- ☑ Execution Strategy

Migrate

- ☑ Meta - Tables, Views
- ☑ SQL – 'X' to GCP
- ☑ Scripts (BTEQ, PL/SQL)
- ☑ Data Migration
- ☑ Data Validate

Canvas Eureka ADVICE

Our 3-step technology and consulting framework for data modernization with GCP smart analytics solutions. Our consultants will work with you to understand the business vision, current data, infrastructure, architecture, and process landscape by having workshops and interviews with executive stakeholders, and business and technical SMEs to develop a data modernization strategy, customized and aligned with your organization's strategy, vision, and business goals.
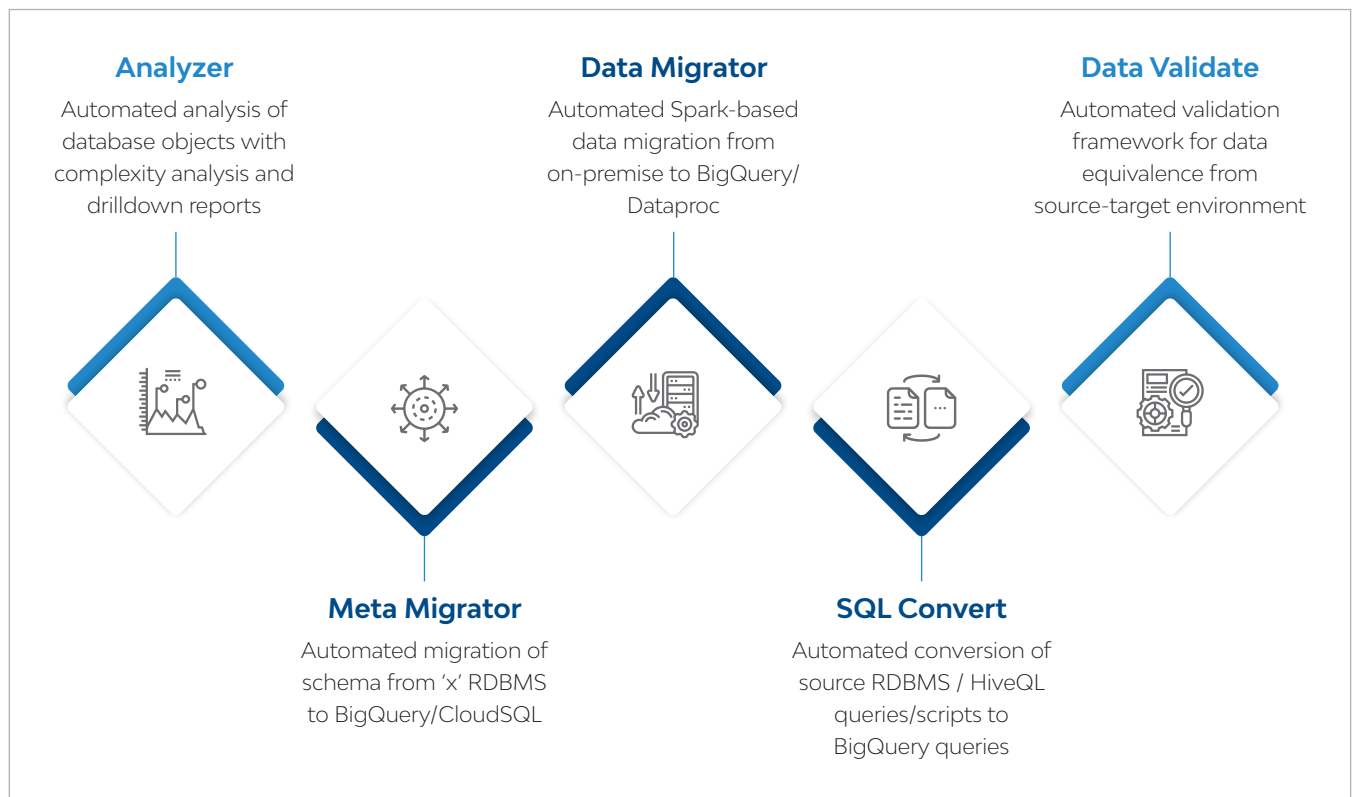
Business Vision
- Describe current challenges
- Understand future ambitions
- Study current landscape & systems

Synthesize

Analyze
- Current system Inventory Analysis and due diligence

Best Practices
- Learnings from our experience of data modernization programs
- Industry best practices

Business Case & TCO Calculations
Develop business case for Data modernization with BigQuery data platform with cost estimation across GCP products consumption

Target Architecture Definition
Define and develop end stage architecture using cloud-native GCP smart analytics solutions & native services

Execution Strategy
Formulate data modernization execution approach and develop roadmap and plan to migrate GCP BigQuery and native services

Value

De-risk migration path to GCP smart analytics solution by codifying answers to questions, such as:

1 How complex would be the modernization journey for our current use cases?

2 What would be the cost of migration?

3 What would be the optimum approach for migration by LOBs, sources, or downstream systems?

4 How much time & effort required for completing migration?

5 What are the risks to the migration based on our current environment?

Canvas Eureka MIGRATE

Our mindful automation toolkit for migration from a legacy data warehouse and Hadoop solutions to BigQuery/Dataproc smart analytics solutions.

Analyzer
Automated analysis of database objects with complexity analysis and drilldown reports

Data Migrator
Automated Spark-based data migration from on-premise to BigQuery/ Dataproc

Data Validate
Automated validation framework for data equivalence from source-target environment

Meta Migrator
Automated migration of schema from 'x' RDBMS to BigQuery/CloudSQL

SQL Convert
Automated conversion of source RDBMS / HiveQL queries/scripts to BigQuery queries

Value

De-risk migration path to GCP smart analytics solution by codifying answers to questions such as:

1 Accelerate time-to-value.

2 Automation to improve accuracy and reduce manual processes.

3 Reduce complexity and de-risk migration.

4 Reduce time for data reconciliation and improve data accuracy.

5 Metadata migration from weeks to hours.

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 84,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit **www.ltimindtree.com.**

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