**Canvas** PolarSled

# Accelerating Data-driven Cloud Transformation

Data modernization, migration to Snowflake Playbook

# Canvas PolarSled Overview

Data Transformation is among the most emphasised initiatives for most global 2000 companies. Achieved by modernizing and simplifying data landscapes and migrate existing data to newer platforms, it allows companies to become truly data-driven organizations.

However, Data Transformation is a complex process, requiring a migration path, dealing with a gamut of technologies, eliminating technology debt, all the while ensuring that business continuity is not impacted. Any data modernization effort is underpinned by three key steps

| 1 | 2 | 3 |
|---|---|---|
| **Strategize and Design the migration** | **Scaled agile implementation** | **Comprehensive governance to ensure value delivery** |

Besides adoption of new technologies, it also calls for a fresh mindset. We at LTI have been investing early and helping our customers to adapt to this new reality.

# Data Modernization with Canvas PolarSled

Canvas PolarSled addresses the core challenges of designing, accelerating and governing a data transformation journey. We make your journey predictable, cost effective and agile. This approach of mindful automation to Snowflake cloud allows us to offer a complexity-free transition to cloud.

## Value Drivers

### Speed
Expedite your journey to the cloud data platform from years to months, with wing-to-wing automation using ML-based accelerators

### Performance
Build a future-ready data platform by eliminating the redundant technologies and taking care of legacy platform intricacies
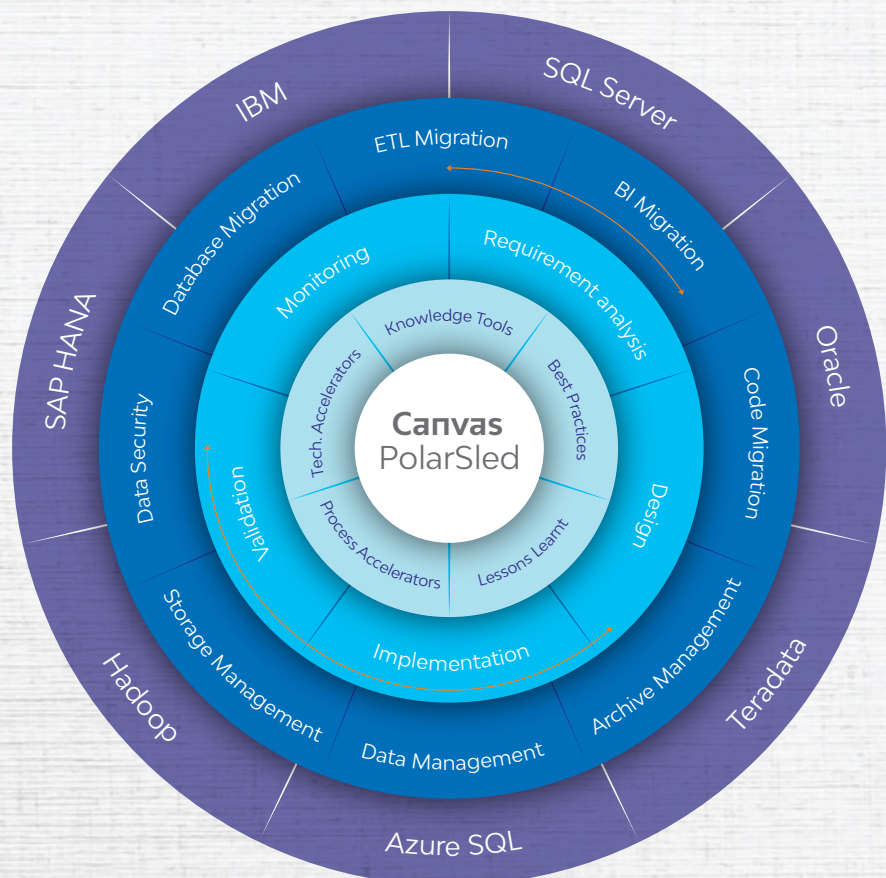
### Risk
Leverage key guiding principles and best practices for architecture and platform setup to reduce he complexity of technology selection, thereby choosing optimum path, and least risk

**Legends:**

- Source Systems
- Data Lifecycle
- Migration Lifecycle
- Experience Interventions



Diagram labels: IBM, SQL Server, Oracle, Teradata, Azure SQL, Hadoop, SAP HANA. ETL Migration, BI Migration, Requirement analysis, Code Migration, Archive Management, Data Management, Storage Management, Data Security, Database Migration, Monitoring. Knowledge Tools, Best Practices, Tech Accelerators, Design, Lessons Learnt, Process Accelerators, Validation, Implementation. Canvas PolarSled.

Accelerating data-driven
cloud transformation

Canvas polarsled is composed of the following elements that help in the journey of transformation and modernizing:

# ① CloudStrategize

LTI Design toolkit for moving to Snowflake-led data platform.
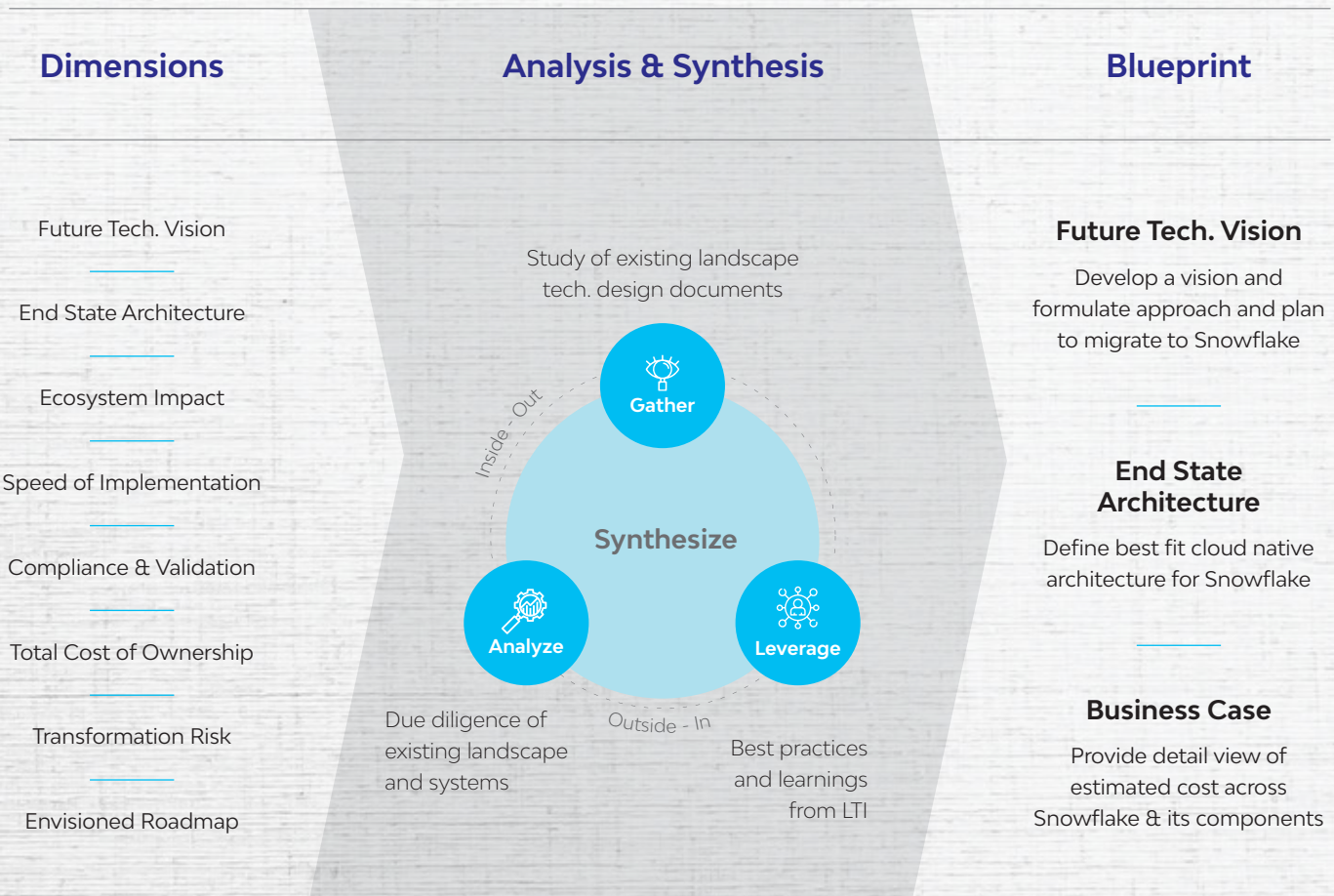
**Key features include:**

**A**
Platform Fitment Evaluation

**B**
Assessment and RoadMap Definition

**C**
Architecture definition

| Dimensions | Analysis & Synthesis | Blueprint |
|---|---|---|

**Dimensions**

Future Tech. Vision

End State Architecture

Ecosystem Impact

Speed of Implementation

Compliance & Validation

Total Cost of Ownership

Transformation Risk

Envisioned Roadmap

**Analysis & Synthesis**

Study of existing landscape tech. design documents

Inside - Out

**Gather**

**Synthesize**

**Analyze**

**Leverage**

Outside - In

Due diligence of existing landscape and systems

Best practices and learnings from LTI

**Blueprint**

**Future Tech. Vision**

Develop a vision and formulate approach and plan to migrate to Snowflake

**End State Architecture**

Define best fit cloud native architecture for Snowflake

**Business Case**

Provide detail view of estimated cost across Snowflake & its components

## 2 CloudMigrate

LTI migration tool kit to cloud, for a wing-to-wing automation led migration, powered by ML-based tools and accelerators.
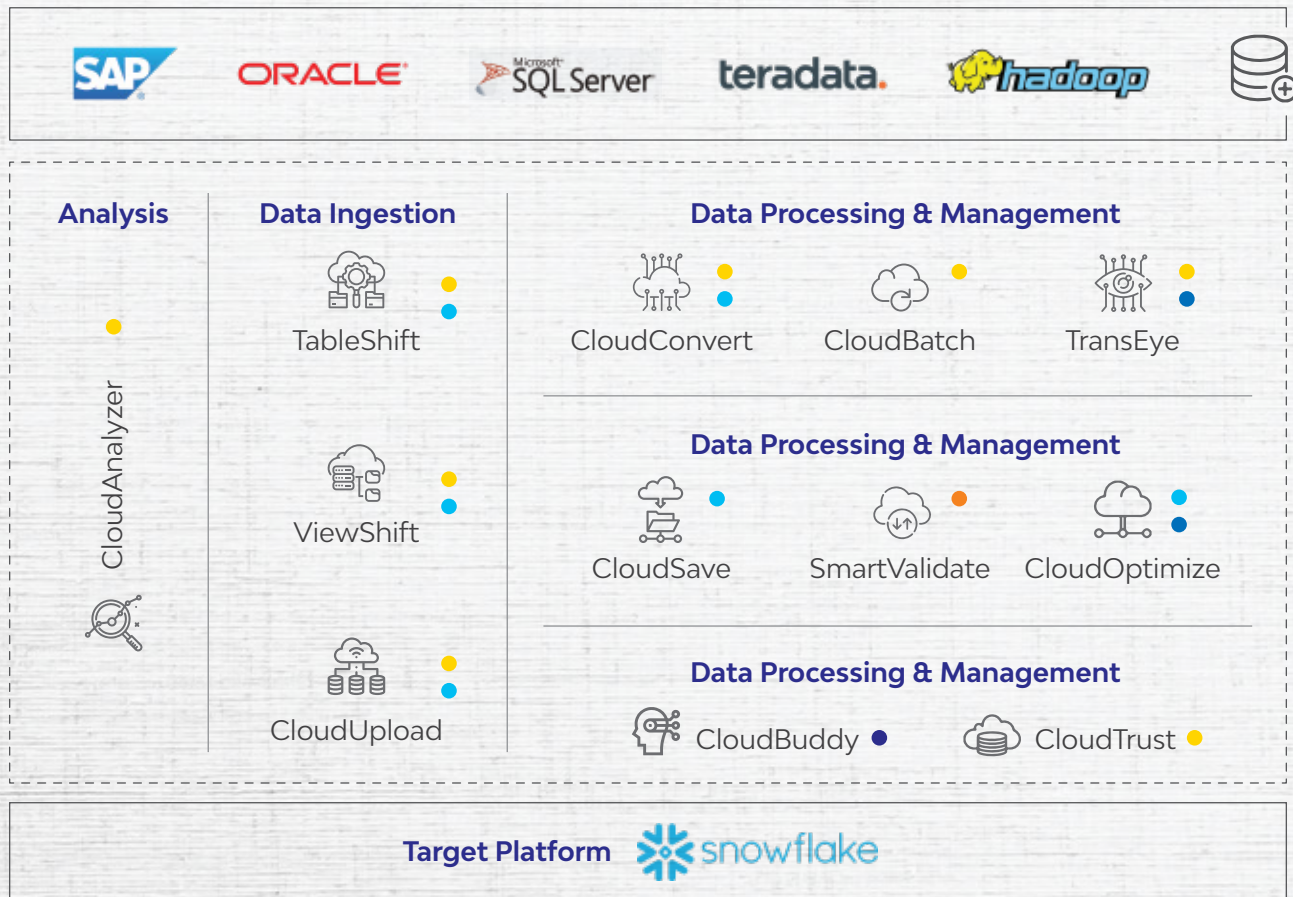
**Key features include:**

**A**
Data Architecture Definition

**B**
Data Migration and Code Migration

**C**
Data Validation and Tuning

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**SAP**     **ORACLE**     **Microsoft SQL Server**     **teradata.**     **hadoop**

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**Analysis**

CloudAnalyzer

**Data Ingestion**

TableShift

ViewShift

CloudUpload

**Data Processing & Management**

CloudConvert     CloudBatch     TransEye

**Data Processing & Management**

CloudSave     SmartValidate     CloudOptimize

**Data Processing & Management**

CloudBuddy ●     CloudTrust ●

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**Target Platform** ❄ **snowflake**

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**Value Drivers**

● Expediate     ● Cost Optimization     ● De-Risk     ● Remove technical debt     ● Knowledge Amplification

# 3 CloudGovern

LTI Governance tool kit to help sustain and optimize the new Snowflake data platform.

**Key features**

**A**
DataOps on Snowflake

**B**
Platform & Application Optimization

**Operations**

Track operational metrics against SLAs

Identify areas to optimize

**Security**

Identify security threats to reduce enterprise risk

Proactively patch security gaps before they manifest as threats

**Cost**

Ensure the right level of cost to achieve business outcomes

Identify and eliminate redundant costs

**Data Quality**

Deliver certified level of data quality for business operations

Continuously monitor and proactively remediate data issues

**Adoption**

Track user adoption of technology to achieve targeted business outcomes

Perform strategic interventions to broad base adoption

Leveraging the power of the **Canvas PolarSled**, our focus is on providing organizations with invigorating business outcomes such as:

**50%** **faster migration journey**
from years to months

**30%** **Reduction in cost effort**
leverage reusable components