



Let's Solve

# LTI's Serverless Data Warehousing & Predictive Analytics Framework



A Larsen & Toubro Group Company



Organizations around the globe are embarking on a cloud journey to leapfrog in their AI-led next-generation business transformation strategy. In most leading enterprises, cloud computing has become an integral part of their digital strategy. However, enterprises cannot rely on their legacy systems for all their data analysis and prediction requirements. The ability of an IT team to process and monetize this big data, using legacy systems, is quite limited. Legacy systems have limited network bandwidth, monolithic architecture and non-scalable data models.

Today, the need is to have a complex hybrid architecture, which can give you benefits of both legacy systems and cloud computing. Cloud's pay-as-you-go approach helps you with a more innovative and flexible approach, by just focusing on business decision making rather than the underlying IT infrastructure.



## How Industry is sizing up to this challenge?

Depending on the regulatory framework for their industry, enterprises have adopted private, public or hybrid cloud strategy to get the benefits of agility and innovation in storage (IaaS), software (SaaS) and servers (IaaS). However, many organizations, who have embarked on the cloud journey are confounded by the complexity of hybrid architecture i.e. integration on-premise platform with cloud-native applications, modelling of data on cloud, and sizing of the infrastructure.

## LTI's Serverless Data Warehouse & AI framework helps you to amplify outcomes

In this progressive yet challenging environment, LTI's Serverless Data Warehousing & Predictive Analytics framework helps organizations accelerate business decision making by navigating through the cloud journey across multiple touch points. The focus is to start by providing domain-specific key insights to maximize cloud journey capabilities by assessing business requirements and technology. This is followed by addressing integration points, building serverless data management process, framing a cloud-native data model, and fostering a collaborative data science workbench.

### **Enterprises are facing many questions on how to integrate Cloud in their Digital Strategy:**

- How will my on-premise and cloud applications interact / integrate?
- What cloud components / vendors should choose in order to accelerate innovation in our organization?
- What is the right migration approach, re-engineer/ AS-IS migration of existing applications to Cloud platform?
- How to devise governance rules on which apps can be moved to cloud first and its related complexity?
- Can I reuse embedded business logic, data model, and related stored procedures of on-premise DWH in Cloud DWH, and if yes, then what is the right approach?

## Three Key Essentials of Serverless Data Warehousing & Predictive Analytics Framework

### **Consulting Advisory Services**

Serverless Data & AI strategy, assessment and roadmap

### **Implementation Services**

Unlimited scale & transformation, re-engineering / migration and governance

### **Cognitive Ops**

AI-led Ops and Cognitive support with Agile delivery and CI/CD

We, at LTI, believe in delivering excellence with our Serverless Data Warehousing & Predictive Analytics Framework for our clients

**01**

### **Enterprise Analytical Platform Leading US-based Global bank**

GCP-based Hybrid enterprise analytical platform

Enabled Operational, Risk & Fraud Analytics use cases on a Serverless platform

Scalable platform at a lower TCO/ ~40% lower cost

Handling large Data providing ~30% higher accuracy & ~20% coverage

**02**

### **Data on Cloud Leading UK-based Global Bank**

Cloud Data Re-engineering of key applications in Finance, Risk and KYC / AML domain

Country-specific regulations and compliance

40% reduction in operational IT expenditure

**03**

### **Data Hubs on Cloud US-based Financial Corporation**

Next Gen Hybrid Data Architecture on Cloud Platform for Digital and Analytical Platforms

Migration and data modelling of cloud native apps

30% improvement by outcome based data migration

**04**




























### **Cloud-based Cognitive Data Connector Multinational Insurance provider**

Codification & Digitization of campaign management process

Advanced Data Quality & Validation using custom ML

Sustainable annual savings of USD 7 million

We are leveraging Mosaic Ecosystem accelerators to bring in best practices to accelerate cloud-based project implementation

|                               |   |  |  |  |  |  |  |  |
|-------------------------------|---|--|--|--|--|--|--|--|
| <b>Business Insights</b>      | <br>Business Signals & Lens          | <br>Vertical Business Solutions | <br>Data & Analytics              | <br>IoT Analytics             | <br>Analytics-as-a-Service  |  |  |  |
| <b>Cognitive Engine</b>       | <br>ML-as-a-Service                  | <br>AI & DS Workbench           | <br>Cognitive Analytics Workbench | <br>Algorithms Marketplace    |  |  |  |  |
| <b>Intelligent Data Store</b> | <br>Data Connectors & Orchestration | <br>Data Quality              | <br>Data Pipeline & Wrangling    | <br>Data Catalog & Discovery | <br>Cognitive Data Intake |  |  |  |
|                               | <br>Data Storage                   | <br>Data Transfer             | <br>Data Security               | <br>Data Archival           | <br>API Management        |  |  |  |
| <b>Technology Components</b>  | <br>Machine Learning               | <br>Apache Spark              | <br>Apache Hadoop               | <br>Apache Kafka              | <br>Jupyter Notebook        | <br>Apache Zeppelin | <br>Microsoft Azure | <br>Google Cloud Platform<br>and Many more... |

## Our Partners



Microsoft as a Customer,  
Supplier and a GTM Partner




AWS Alliance  
Partner since 2014



Google Cloud Platform

GCP partner  
since June 2017



LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 300 clients succeed in a converging world. With operations in 27 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivaled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 24,000 LTites enable our clients to improve the effectiveness of their business and technology operations, and deliver value to their customers, employees and shareholders. Find more at [www.Lntinfotech.com](http://www.Lntinfotech.com) or follow us at [@LTI\\_Global](https://twitter.com/LTI_Global)

[info@Lntinfotech.com](mailto:info@Lntinfotech.com)



| A Larsen & Toubro  
Group Company