

Datasheet

AI Logistics:

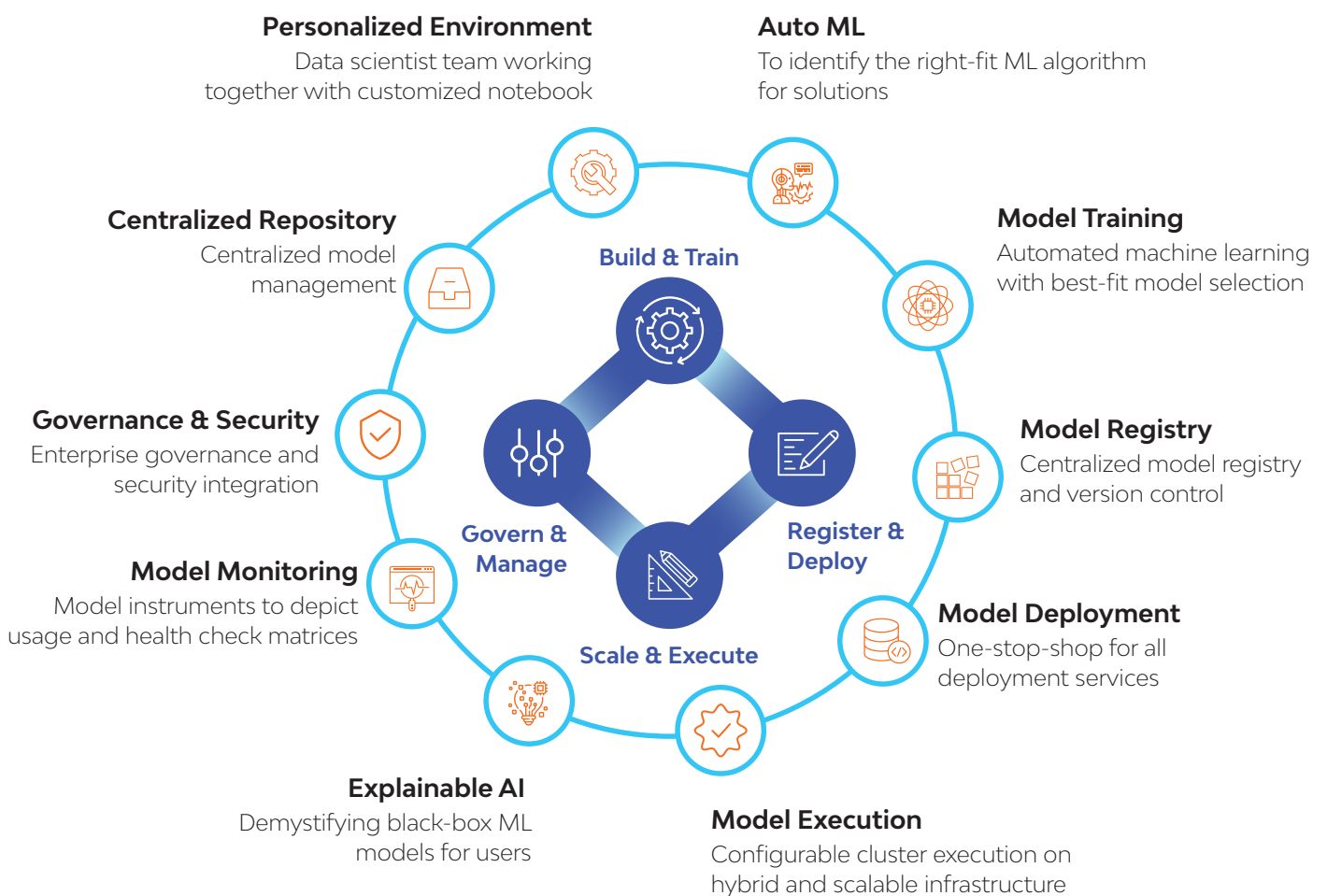
Operationalize Artificial Intelligence @Scale

Platform to operationalize and manage enterprise machine learning & artificial intelligence model, helping data engineers and scientists automate the ML/AI Design Lifecycle.

#ModelManagement #TrainingAtScale
#AIDevOps #MultiTenancy

Faster Development To Deployment Of ML & AI Models

LTI's mosaic ailogistics is a self-served unified analytics platform aimed at automating the ML/AI life cycle to build, train, deploy, and manage AI models at enterprise scale. Mosaic ailogistics provides an abstraction for machine learning DevOps so that data scientists can focus on AI model development and not worry about operationalizing the models. The platform provides Containerized and Reproducible Notebooks/Toolkits, easing the building to performance monitoring of complex models, democratizing AI.



Product Features - Build | Train | Deploy | Run | Govern | Support



Build & Collaborate

Multiple users accessing and co-building the ML model codes and algorithms using the same notebooks or multiple notebooks

Data Connection
Library

Collate data from varied sources using connector libraries embedded within the platform

Personalized
Notebooks

Notebooks with prebuilt ML libraries and customized with choice of libraries or custom code

Containerized
Notebooks

Notebooks with configured container size allows to allocate resources dynamically upon initiation

Share Notebook
across developers

Collaborate by sharing customized images, registered models & services



Register & Train

Register & train ML models via GUI or directly from notebook using pre-built Mosaic AI libraries

Model Registry

Register ML/ AI models using graphic user interface or from notebooks using pre-built mosaic libraries

Bring Your Own Code
(BYOC) & register

Models built outside the Mosaic platform can be registered using the prebuilt integrated mosaic libraries

Automated ML
Development Module

AutoML to identify the right-fit algorithm for the solutions implemented with Dashboards for Model Status Visibility easing the model creation

Lineage & Versioning

Manage all trained models in one place, with different versions and lineage of each version back to source code, training logs and training summary

Multiple Model
Development
Options

Model Creation on R Studio and Apache Spark besides the previous toolkits Jupyter and Zeppelin



Deploy & Consume

One-stop-shop to package and deploy ML / AI models of various frameworks, languages as a webservice.

Integrated library to Package & Deploy models

Mosaic libraries integrated within notebooks to package and deploy any model as a webservice.

Hybrid Deployment

All deployment services to package and deploy any model version on highly scalable and secure

Change Management

Manage all model versions of registered and deployed models on the platform. Track source code versions with direct integration of notebooks with GIT.

Secure & Scalable API

Trained models are registered and packaged and deployed as web service on K8s clusters.

Consumption Management

Manage model instrumentation / metrics such as – Invocation matrix, accuracy matrix, version matrix, AB matrix, scoring matrix.



Environment & Governance

Govern, manage and monitor the enterprise ML / AI model portfolios.

Set up & Manage Hybrid Environment

Install the framework on a K8 cluster onto any cloud or on-premise infrastructure.

GPU Support

Execute and train deep learning models using GPUs cores and hardware.

Auto Scaling

Models registered on the platform are deployed on highly scalable K8s clusters.

SModel Access

Fine grained access control on models and integration with enterprise LDAP / AD to manage users, user groups, user attributes, roles and actions.

GIT Integration

Captures every change and code version to GIT allowing the users to revisit the version history or revert to any previous versions as needed.

Visibility Of Model Lineage

Automatic tracking of ML lifecycle allows users to track and have complete visibility across ML/AI Model Portfolio

Explainable AI

Dashboards that allow users to understand black-box ML models



Runtimes, Frameworks & Extensibility

Integration with various ML programming languages and frameworks

ML Runtimes

Support for ML programming languages

ML Frameworks

Support for ever-evolving ML frameworks for ML and deep learning model development

Bring Your Own Model (BYOM)

Automated ML or the R or Python codes can be converted into an app allowing to bring-your-own-model to register and deploy ML/AI models on the platform



Support

24X7 Platform Support with defined SLAs

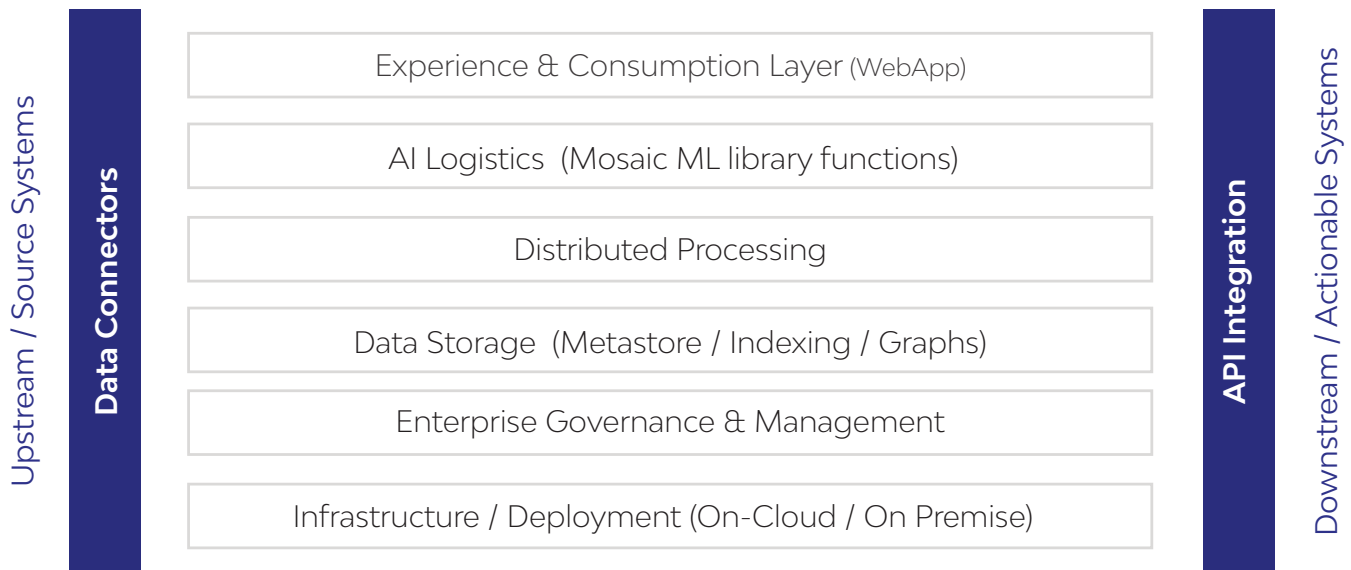
Bug Support

Free 24 x 7 support to resolve platform bugs and issues.

Upgrades

Free and planned platform flavor upgrades.

Product Architecture



Deployment Options

Flexibly deploy on cloud or on-premises



mosaic ailogistics

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Request a Demo @ <https://www.lti-mosaic.com/>

LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 420 clients succeed in a converging world. With operations in 32 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 30,000 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.Ltinfotech.com or follow us at @LTI_Global