Chariot MLOps Platform

STRIVEWORKS
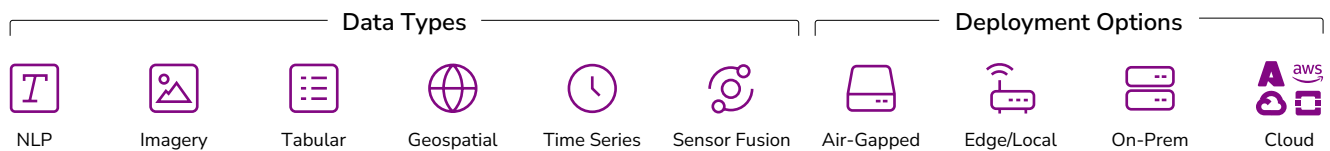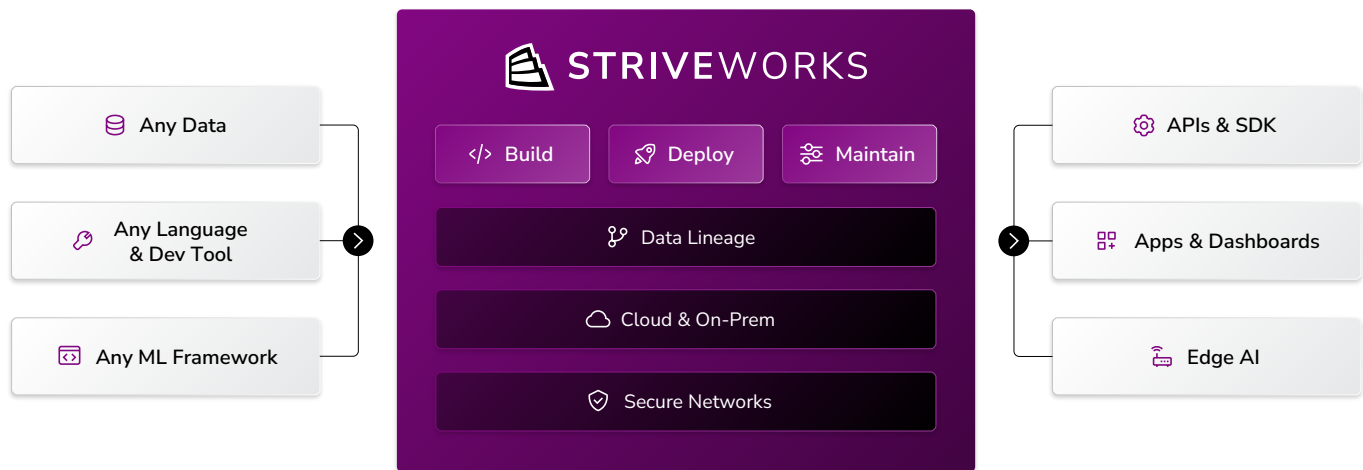
Build, Deploy, and Maintain AI Projects for Dynamic Environments

Chariot is a cloud-native, highly scalable, low-code to no-code machine learning operations (MLOps) platform. It enables teams with varying levels of expertise to easily build, deploy, and maintain machine learning models—keeping them performant and in production. With Chariot, organizations can consolidate their MLOps, making AI projects scalable, repeatable, and auditable.

Scan for digital version

STRIVEWORKS

- </> Build
- Deploy
- Maintain
- Data Lineage
- Cloud & On-Prem
- Secure Networks

Any Data

Any Language & Dev Tool

Any ML Framework

APIs & SDK

Apps & Dashboards

Edge AI

Data Types

- NLP
- Imagery
- Tabular
- Geospatial
- Time Series
- Sensor Fusion

Deployment Options

- Air-Gapped
- Edge/Local
- On-Prem
- Cloud

What Prevents Organizations From Sustaining AI in Practice?

Organizations today can effectively deploy third-party algorithms, but development is piecemeal and remains isolated from operational use cases.

That static approach breaks down in dynamic environments or when development is isolated from end users.

The burden of triaging, repairing, and redeploying failed algorithms is a costly challenge that prevents most AI initiatives from delivering useful information in the real world.

Chariot Solves the MLOps Breakdown

Chariot makes it simple to remediate, retrain, and redeploy failing machine learning models. By integrating with customer data systems, the platform enables users to identify underperforming models and **resolve their issues in hours, not days.**

The low-code to no-code user interface, paired with robust developer tools, lets your multidisciplinary team work from the same platform, collaborating on projects, dataset stores, and model catalogs. The result is operational AI from the enterprise to the edge—that can adapt to the speed of dynamic environments.

Chariot MLOps Platform

STRIVEWORKS

Features

Data Preparation

Easy access to data: Chariot's open architecture and programmatic access (APIs and SDK) allow rapid connectivity to most data-storage solutions for maximum extensibility and flexible security.

Model Deployment

Edge to enterprise: Operate on on-prem hardware or deploy to cloud or hybrid infrastructures to meet the needs of your dynamic environments.

Model Remediation

Seamless remediation: Once a model falls out of distribution, Chariot can drill down into the problem to support on-platform retraining and remediation.

Model Training

Rapidly train and retrain: Experiment with model architectures, training parameters, and datasets— then rapidly train, test, and deploy new models.

Model Monitoring

Real-time monitoring and alerting: Access performance metrics, logs, and error reports for all production models—whether tens or thousands—and get notifications about model performance issues.

Model Testing & Evaluation

Integrated Model Comparisons: Easily measure, explore, and rank model performance with Chariot's centralized evaluation store—powered by our open-source tool, Valor. Filter and compare models on any metadata to answer these critical questions:

- Which model performs best on a given dataset?
- How does the performance of a single model vary across datasets?
- How do fine differences in data segments affect a model's performance?

How Chariot Works

Day 1

Automation: Build better models, faster.

Chariot transforms the data analytic **process into code**, enabling all users to follow data science best practices with minimal effort. It makes machine learning and AI production scalable, repeatable, and certifiable.

Day 2

Integration: Get data in; get insights out.

Performant models require more data and more iterations. Chariot integrates with your third-party and existing software systems, bringing AI/ML to wherever your team already does its work.

Day 3

Remediation: Fix broken models.

Models fail. Chariot meets this challenge at scale to keep models in production, performant, and trained on the latest relevant data.

Chariot remediation enables "self-healing" models to perform continuously in mission-critical applications. Sustain model utility and maximize your AI ROI.

Audit — **Governance: Continuously audit your AI.** Chariot provides end-to-end data lineage, extending data governance into the analytic domain. This system ensures responsible, auditable, and repeatable AI insights.

Scan for
digital version