DOMINO   slalom

Become a model-driven company

MLOps accelerator helps you build, deploy, maintain, and govern all production models

Enterprise MLOps for a competitive advantage

Many organizations are embracing the power of the cloud to build machine learning models to automate processes, augment decision making, and make sense of complex patterns.

To derive the business benefits from machine learning models, the models need to be deployed in the production environment and continuously updated. The metric of how fast data science teams build and update models is known as model velocity.

Challenges to model velocity

Many ML projects never make it to production due to common challenges inhibiting data scientists from focusing on innovation.

- ✓ **Inflexible infrastructure:** Can't access the required tools and scalable compute without complex and time-consuming DevOps work.
- ✓ **Wasted work:** Can't find and reuse prior work, and collaboration is slow and inefficient – if it happens at all.
- ✓ **Production pitfalls:** Can't deploy models in a repeatable manner, plus inconsistent ways to ensure the reliability of models.

Unleash AI infrastructure for data scientists

Data scientists require specialized infrastructure and an open, flexible environment so they can use the tools they are used to - unfettered by DevOps tasks typically required for GPU-accelerated infrastructure
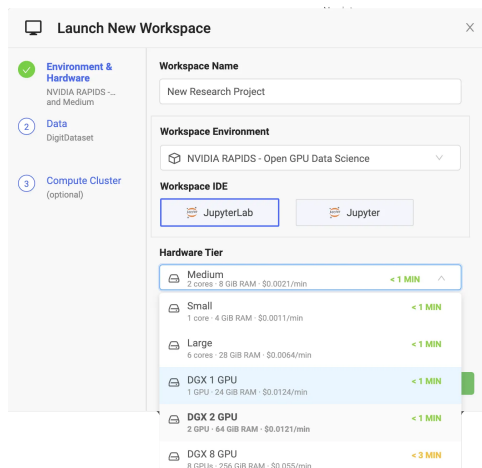

Figure 1: *Choose the right hardware and software for any task. Use Domino Workspaces to run proprietary and open source tools side by side, governing scalable GPU Hardware Tier access with Domino's Compute Grid. Here, a JupyterLab IDE is configured to launch with access to NVIDIA Compute Resources.*

Accelerate the path to production for ML models

Domino is the industry leading Enterprise MLOps platform trusted by 20% of the fortune 100.

Slalom accelerates your deployment with industry standard design and architecture to streamline your path to production.

Client Benefits
- Enable Rapid Innovation
- Deploy Quickly & Confidently
- Reduce Model Variation & Produce Resiliency
- Enable Auditing via Version Control

Accelerated ROI, reduced TCO*
- $30m in total economic benefits over a three-year period
- 542% ROI
- Investment payback in under 6 months
- Source: [Forrester Total Economic Impact™ of Domino Enterprise MLOps Platform](#)

Accelerator Engagement Overview
Reduce time-to-value for AI investments with one of the following Slalom Accelerators, in partnership with Domino Data Lab:

1. **Data Science Lifecycle Assessment** — Understand where you are in your journey. Based around the four stages to the data science lifecycle that, when invested in and optimized, allow enterprises to achieve the model velocity.

2. **Infrastructure and Kubernetes Architecture** — Design & Architect industry standard strategies specific to Kubernetes workloads.

3. **MLOps** — Design & Architect industry standard MLOps solution to automate model deployment & retention.

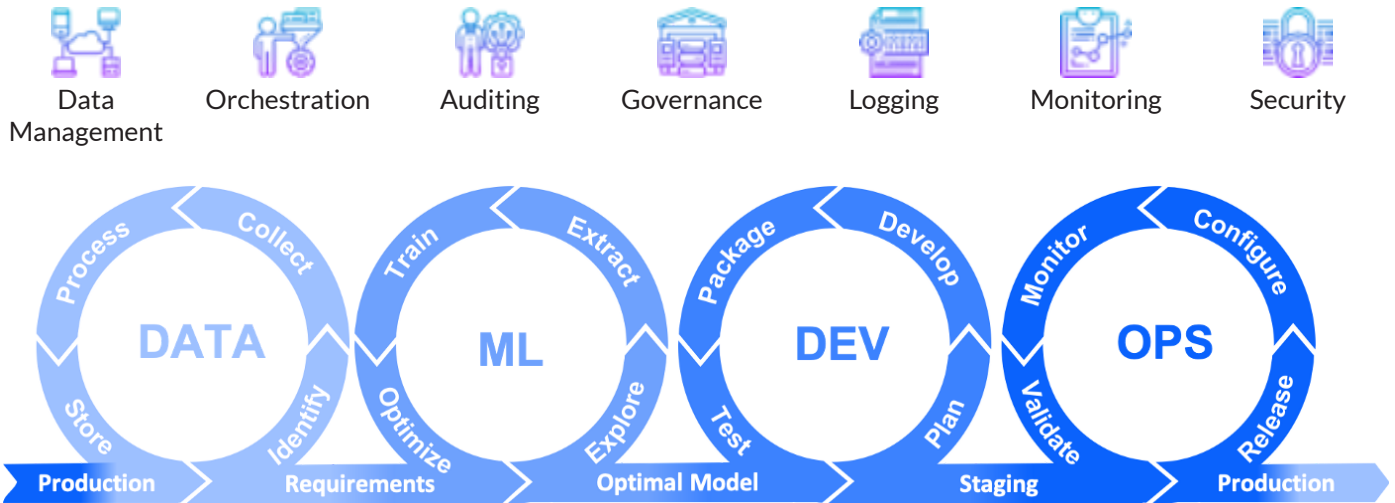# Accelerate path to production for machine learning models

Data Management   Orchestration   Auditing   Governance   Logging   Monitoring   Security

DATA   ML   DEV   OPS

Process · Collect · Store · Identify — Production · Requirements

Train · Extract · Optimize · Explore — Optimal Model

Package · Develop · Test · Plan — Staging

Monitor · Configure · Validate · Release — Production

Figure 2: Slalom's Modern MLOps Blueprint *fuses together traditional DevOps processes in the context of data science and machine learning, allowing clients to pick and choose technologies and frameworks that best fir their needs at any stage on the path to ML enablement.*

Reduce Time-to-Value for ML Investments

Deliver business value from models faster. Rapidly deploy, manage, and scale model-driven data science workloads in the modern hybrid cloud with ready-to-use containers - automatically configured and compatible with Domino - deployed on prem, in the cloud, or the edge.

Figure 3: A Domino Environment is created from an NVIDIA NGC TensorFlow container *image, automatically adding the appropriate Dockerfile instructions to ensure compatibility, configuring JupyterLab and VScode for availability. Then, a workspace with pre-configured hardware tiers can be launched.*

Use Cases

Domino and Slalom are partnering to offer accelerators to help you build, deploy, maintain, and govern all production models. Sample industries include:

- Retail
- Banking
- Insurance
- Capital Markets
- CPG
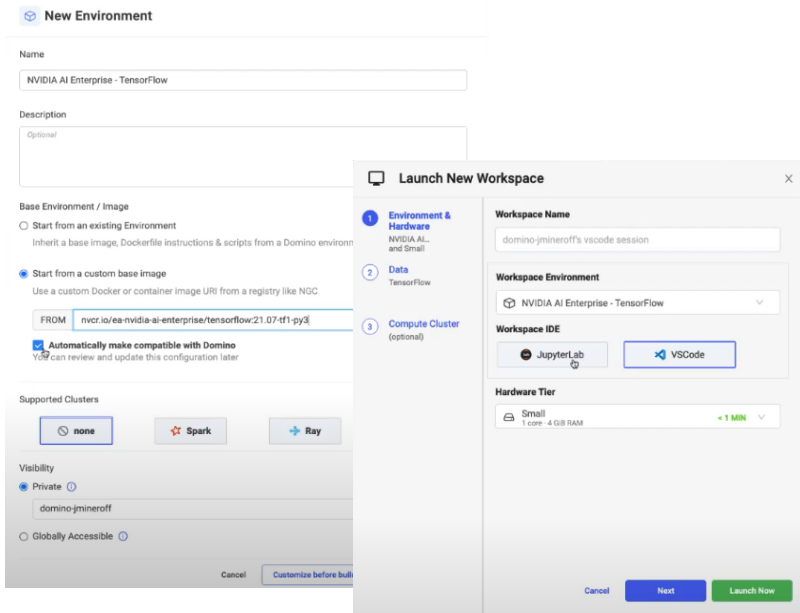- Media & Entertainment
- Life Sciences

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