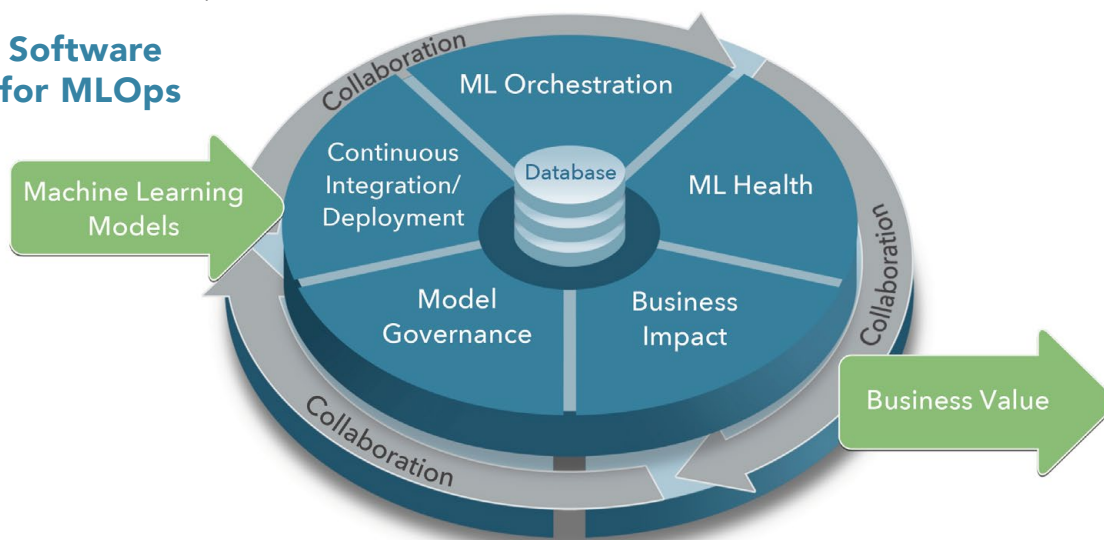


Unleash the Value of AI For Your Business

Despite increasing investments in data science, few companies can scale ML initiatives to actually deliver transformational business value. The barriers are many, from a growing variety of data science tools to a lack of expertise and know-how and rapidly evolving landscape of infrastructure options. Even when a model can be deployed into production, companies quickly realize that the initial deployment is only the beginning of a production life-cycle that requires ongoing management and governance.

ParallelM MCenter provides a single software solution for deploying, managing and governing predictive models in production environments from any model development platform or language on any framework or infrastructure. MCenter embeds the best practices to drive reliable deployment and management of AI at scale. This approach allows data science teams to do data science instead of worrying about production issues, empowers operations teams to manage ML models and gets your company on track to scale up AI initiatives.

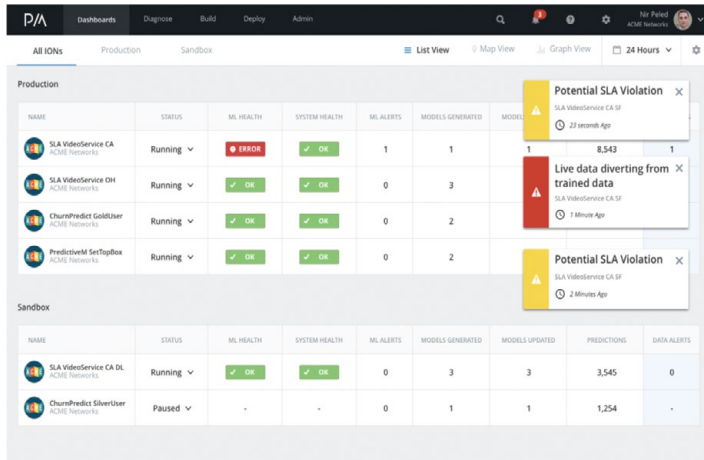
MCenter Software Solution for MLOps



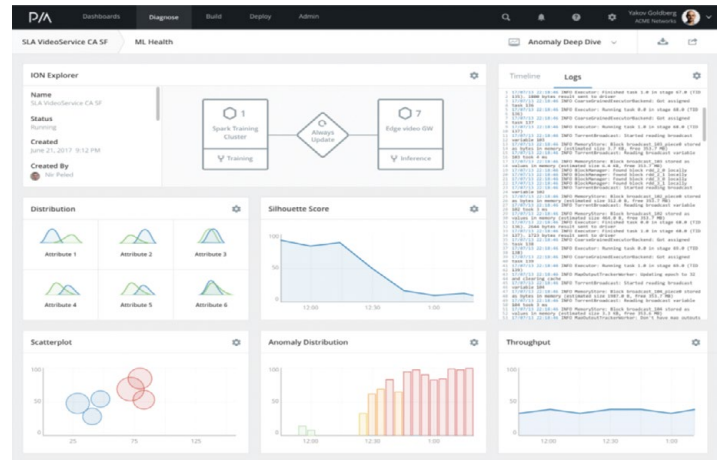
- Continuous Deployment:** Easily deploy trained models or model code into production pipelines that run on diverse infrastructure including Spark, TensorFlow, and Kubernetes.
- Automated Orchestration:** Manage inter-relationships between ML pipelines including automatic model re-training, triggering and scheduled interactions.
- ML Health:** Automatically monitor data drift, model specific metrics, and infrastructure health to prevent poor predictions. Develop and report on custom metrics with the MLOps API. Rapidly diagnose issues with robust monitoring and audit trails with built-in time-line capture.
- Business Impact:** Correlate ML outputs to ground truth and business KPIs to assess ML performance and ROI. Provide a single view of ML applications and their results across the organization regardless of data science tool or infrastructure.
- Model Governance:** Ensure regulatory compliance with comprehensive model lineage, version control, and audit information. Query and recreate all model and data parameters.
- Collaboration:** Provide a single platform for data scientists and IT operations to manage ML applications. Give executives visibility into business value and which applications are performing well and which ones need additional support.

MCenter at a Glance

MCenter provides a central platform for the deployment, management, and governance of all machine learning applications across your business. MCenter provides a complete view of all ML projects in production through a management dashboard with clear alerts for application health so you know which projects need attention. Drilling into specific ML applications provides details of health alerts including feature data drift analysis, model specific metrics and infrastructure analysis including log aggregation for troubleshooting and governance.



The MCenter dashboard displays ML Health, alerts, and key performance indicators



Deep diagnostic templates with data & model snapshots ensure rapid problem resolution & ML continuity

How It Works

MCenter is deployed a set of containers on cloud services, on premises, or in hybrid scenarios. It integrates with leading data science/AI platforms and works with computing architectures like Spark, TensorFlow, and Kubernetes. Models are managed via the MCenter server, which communicates with local MCenter agents, to create a control and data collection layer for orchestrating and managing ML pipelines, executing policies, and running performance analytics. Users manage and visualize all ML operations via the MCenter console application.

