ModelOp

ModelOp Center(PAT)

Govern and scale your AI initiatives

Modelop Center is a ModelOps platform that automates the governance, monitoring and orchestration of AI models across platforms and teams, resulting in reliable, compliant and scalable AI decision making.

Business Challenge

As enterprises become increasingly reliant on AI models to help them transform and reimagine business, the challenges of managing AI models are on the rise. Multiple model development teams, tools and processes result in lengthy and costly time to production, model and data quality issues, and complicated and manual processes that fall short of governance and compliance requirements. On average, more than 50 percent of models never get into production due to insufficient ModelOps.
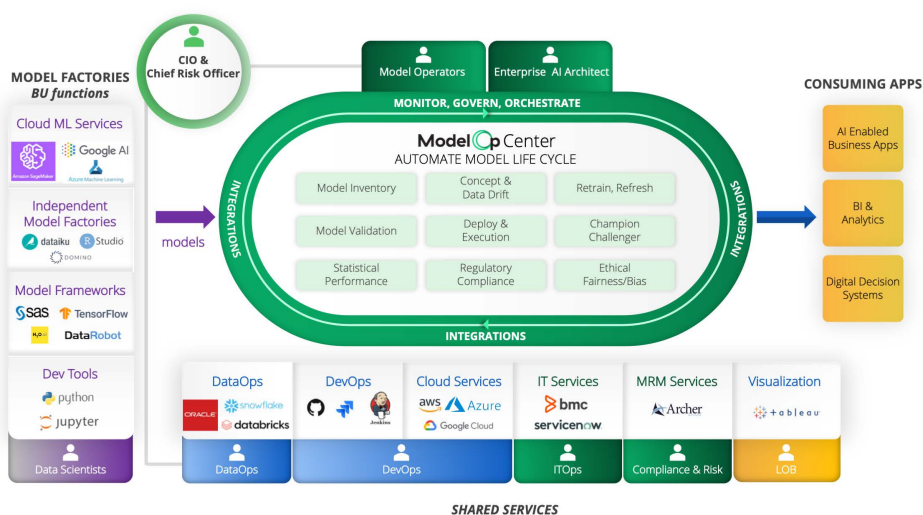
ModelOp Solution

ModelOp Center automates the governance, monitoring and orchestration of AI models across platforms and teams, resulting in reliable, compliant and scalable AI decision making. With the ability to integrate with IT applications, AI/ML development tools and business and technical processes, you can design and automate the full model life cycle and operate models at scale. Real-time monitoring ensures accurate and reliable inferences and insights and operational control over models. Detailed tracking of model changes provides auditability and reproducibility. An inventory of production models and metadata ensures model assets are visible across teams and financial impact is measurable.

Key Features

- ○ Comprehensive production model inventory
- ○ Continuous risk controls enforcement
- ○ Actionable performance monitoring
- ○ Integrated, extensive governance workflow
- ○ Automated, orchestrated model life cycle

Key Benefits

- ○ Accelerate time from model deployment to decision making by 50%
- ○ Uplift model revenue contribution by up to 30%
- ○ Increase team productivity by 50% or more
- ○ Reduce business risk with comprehensive AI governance and auditability
- ○ Future-proof and unlock investments in AI/ML tools and systems

ModelOp Center integrates with model factories and IT and business applications for automated, comprehensive ModelOps

Product Details

ModelOps needs to be a disciplined and durable process. ModelOp Center provides the visibility, governance, and automation needed for scalable and reliable AI decision making.

Control: Maintain a comprehensive and complete production model inventory. With a consistent and automated path for putting all models in business, regardless of model type, a central production model inventory is maintained for all models. Integration with model development tools and processes enable a rich set of artifacts and metadata to be collected and maintained for each model, including training data, snapshots of model source, model documentation, model versions, jobs executed and test metrics and results.

Monitor: Automatically detect and remediate model performance issues. With actionable performance monitoring of model operations, quality, risk and processes, you always know the state and status of each and every model. Automated problem detection and orchestrated remediation ensure models are performing optimally and delivering reliable outcomes. Alerts and notifications based on defined thresholds keep you informed of potential and actual problems. Remediation actions trigger retraining, retesting and redeployment as needed, orchestrating steps and collecting and retaining data for auditability.

Govern: Continuous compliance checking ensures the governance process is enforced. With a rules-based you can define and enforce conditional approvals and controls ensuring models are validated and required steps are followed. Integration with the data science tools, risk management systems and IT systems and processes involved provide an automated and orchestrated governance workflow that includes a specified approval process for getting models into business. End-to-end model lineage tracks each step in the model's life cycle ensuring full auditability and reproducibility.

Automate: Accelerate and manage operationalizing models with pre-defined model life cycles that include both technical and business processes and KPIs. Easily customize workflows to meet your specific needs, automating and orchestrating the entire production model life cycle. Workflows can be shared across teams, allowing them to interoperate and work together, providing you scalability, flexibility and control over your model operations process.

Visualize: Gain visibility into the operational status of all models across the enterprise, regardless of model type, where models are running, or model execution platform. With real-time visibility of model performance against statistical, business, and risk thresholds, you always know that your models are operating optimally and within risk controls. Custom views and reports are easily created using the rich metadata and model metrics maintained for each model.

All Teams - Model Refresh

Design and automate ModelOps model life cycle workflows

View state and status of deployed AI models