

# Databricks xOps – Pathway to Production

## The Objective

---

**Spyglass MTG's Databricks xOps – Pathway to Production** offer is a comprehensive solution for scaling operations within your Databricks journey. With a strong emphasis on the deployment of code, models, and compute at scale, leveraging robust frameworks, proven design patterns, and sophisticated approaches, this solution is tailored to address the challenges of scaling operations within the most complex organizations.

## The Solution

---

The solution includes optimized MLOps approaches and solutions on Microsoft Azure Databricks, covering data ingestion and preparation, model development and training, model deployment, monitoring and management, continuous integration and continuous deployment (CI/CD), and security and compliance.

## Key Benefits

---

- **Accelerated Time-to-Value:** Reduce time-to-insight with efficient data ingestion and preparation processes. Enable rapid and reliable updates through CI/CD pipelines tailored to machine learning workflows.
- **Streamlined Model Development:** Benefit from automated hyperparameter tuning and distributed training for high-performance models. Maintain reproducibility and consistency in experiments, facilitating collaboration and innovation.
- **Scalability and Efficiency:** Leverage Azure Databricks' scalable infrastructure to handle large datasets and complex computations with ease. Automate workflows, reducing manual intervention and increasing operational efficiency.



Infrastructure Azure  
Data & AI Azure  
Digital & App Innovation Azure  
Modern Work  
Security

# Databricks xOps – Pathway to Production

## Timeline

---

The project follows a structured timeline over 12-16 weeks:

- **Weeks 1 & 2:** Discovery, Governance & xOps Automation Planning
- **Weeks 3+:** Governance Implementation and xOps Automation Build
- **Weeks 5+:** Pilot Solution Development Support & Knowledge Transfer
- **Weeks 6+:** Databricks ML/AI Engineer, Admin, Data Engineer & End User Training

## Deliverables

---

- Databricks Unity & Platform Governance Action Plan
- Databricks Upskilling Plan (Databricks Engineers, Ops Squad & End Users)
- Databricks Training (level 100, 200)
- Databricks xOps Templates (Pipelines, Asset Bundles, GIT Strategies)
- xOps Automation Processes

## Spyglass MTG Can Help!

For more information on how Spyglass MTG can help your organization, please [Contact us today!](#)



Infrastructure Azure  
Data & AI Azure  
Digital & App Innovation Azure  
Modern Work  
Security