Spyglass MTG Data & AI

Databricks Lakehouse & AI Offerings Journey

Databricks Offerings

Data Practice : Data Journey

Build an Initial Strategy

How to build your data strategy and pivot to become a data driven organization.

Define your plan

How to develop a plan for cloud-scale analytics.

Prepare analytics estate

Overview of data management and data landing zones with key design area considerations like enterprise enrollment, networking, identity and access management, policies, business continuity and disaster recovery.

Govern your analytics

Requirements to govern data, data catalog, lineage, master data management, data quality, data sharing agreements and metadata.

Secure your analytics estate

How to secure analytics estate with authentication and authorization, data privacy, and data access management.

Organize people and teams

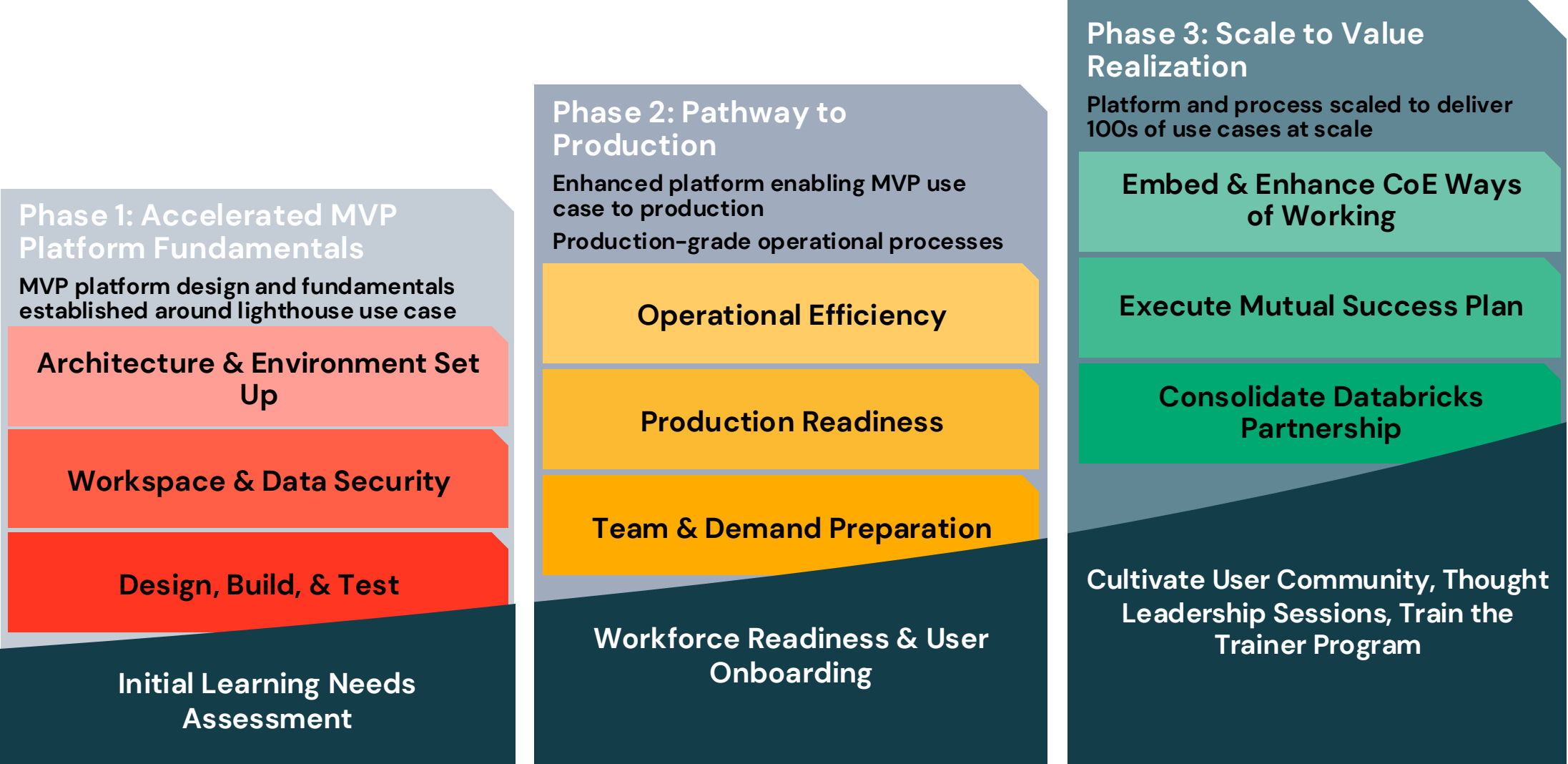How to organize effective operations, roles, teams, and team functions.

Manage your analytics estate

How to provision platform and observability for a scenario.

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Spyglass Databricks Lakehouse Platform & AI Journey
Building a Transformative Platform & Center of Excellence

Phase 3: Scale to Value Realization

Platform and process scaled to deliver 100s of use cases at scale

Phase 2: Pathway to Production

Enhanced platform enabling MVP use case to production

Production-grade operational processes

Phase 1: Accelerated MVP Platform Fundamentals

MVP platform design and fundamentals established around lighthouse use case

Embed & Enhance CoE Ways of Working

Operational Efficiency

Architecture & Environment Set Up

Execute Mutual Success Plan

Production Readiness

Workspace & Data Security

Consolidate Databricks Partnership

Team & Demand Preparation

Design, Build, & Test

Cultivate User Community, Thought Leadership Sessions, Train the Trainer Program

Workforce Readiness & User Onboarding

Initial Learning Needs Assessment

MVP Platform & Use Case Live

Time

4

Spyglass Databricks xOps - Pathway to Production ($200k+)

At Spyglass MTG, we **specialize in providing optimized Machine Learning Operations (MLOps) approaches and solutions** on Azure Databricks**, ensuring seamless integration, scalability, and efficiency for your data workloads and AI/machine learning operations.**

Our expert team works through several key areas to enable robust MLOps on Azure Databricks:

- Data Ingestion and Preparation
- Model Development and Training
- Model Deployment
- Monitoring and Management
- Continuous Integration and Continuous Deployment (CI/CD)
- Security and Compliance

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

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.

Timeline (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

Thank You

Spyglass MTG