

# 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.

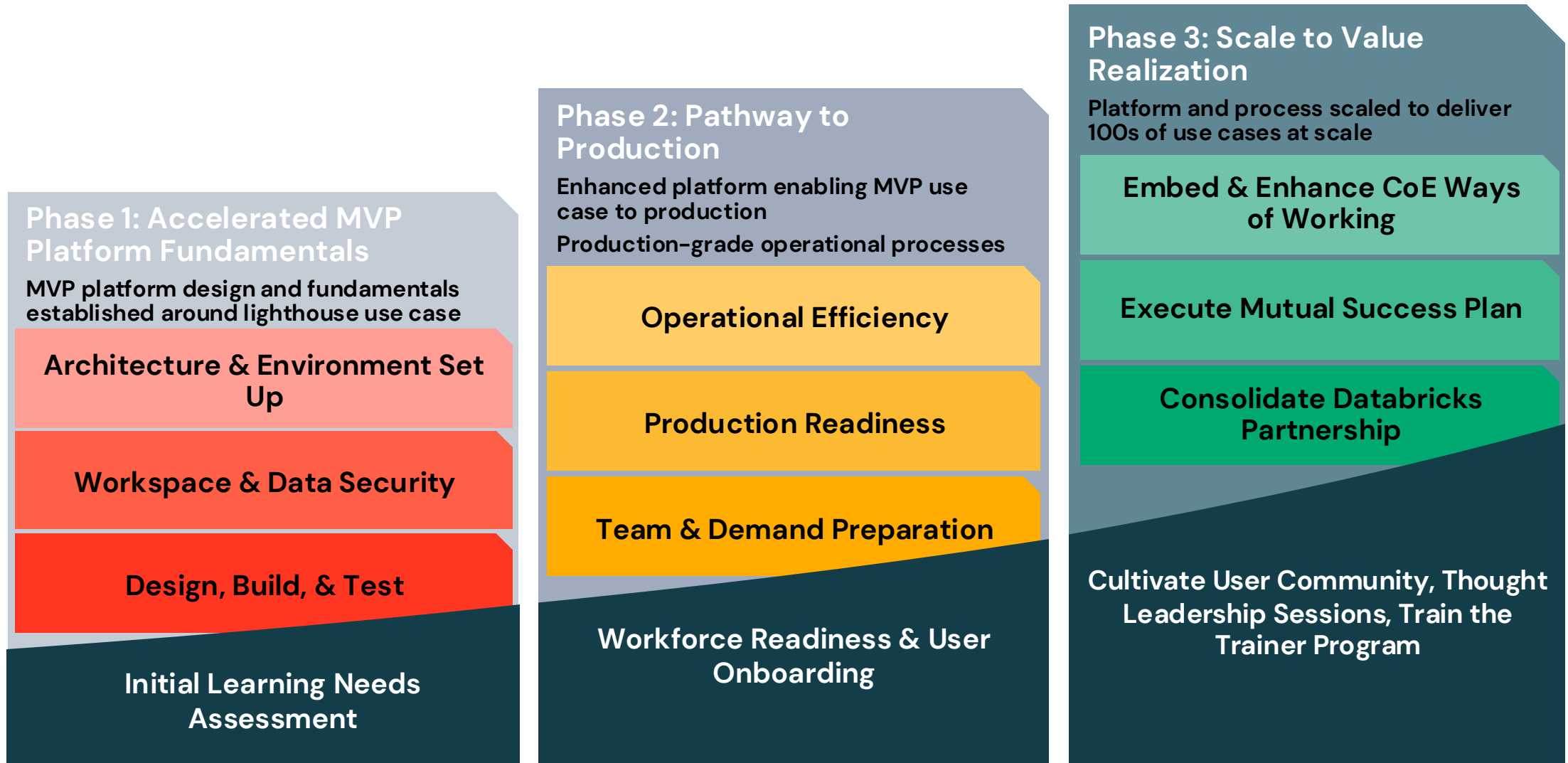
## **Manage your analytics estate**

How to provision platform and observability for a scenario.



# Spyglass Databricks Lakehouse Platform & AI Journey

Building a Transformative Platform & Center of Excellence



**MVP Platform & Use Case Live**

**Time**

# Lakehouse Platform in 45 Days - Accelerated MVP Platform Fundamentals (DBxi45 @ \$150k)

**Spyglass' Databricks Lakehouse Platform DBXi45** is a 6-week implementation designed to help you create a medallion lakehouse solution in Azure quickly and efficiently.

Our approach **deploys a secure modern production Azure Databricks lakehouse platform** environment, leveraging **Azure Well-Architected and the Cloud Adoption Framework**. With dozens of prebuilt templates provided on top of the IaC blueprint, code bases, tool kit and other assets to leverage; your platform will be up and running quickly!

## Approach:

- We leverage our infrastructure deployment(IaC) modules **Solution Accelerator for Databricks platform deployment** to implement the lakehouse workload & integrate with the IT hub services.
- Our complete package includes a **toolkit for ops Databricks that assists with cost optimization, performance efficiency for workload & scale** management as well as a standard MLOps package and project & release management.
- Complete the **staging and source qualification, Gold layer model definition, tables creation, and security** design
- Complete the **Data design for data engineering**, data mappings and enrichment, aggregation and cleaning, and model training

## Deliverables:

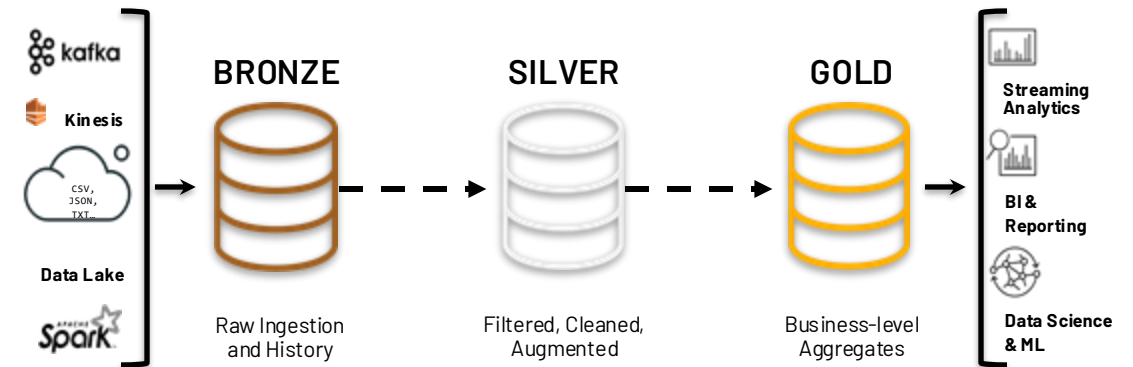
- Data Lakehouse Platform & Integration Landing Zone Deployment
- IaC Source Code & Documentation
- Design and Deliver one lakehouse End-to-End pipeline

## Timeline:

**Weeks 1 & 2:** Design and deliver data model, analytical solution and lakehouse data product to meet business needs, including defining key metrics and success criteria

**Weeks 3 & 4:** Utilize Databricks capabilities to automate generation and deployment of data ingestion and transformation activities in an Azure Databricks environment with deliverables including code repositories and a fully functional medallion data processing framework

**Weeks 5 & 6:** Monitor and optimize performance, reliability, and scalability of data pipeline and service, providing education across Data Engineering, Unity concepts, DataOps and deliverables including performance, reliability, and scalability reports, educational sessions, and deployment guides



# Thank You

Spyglass MTG