

Spyglass MTG Data & AI

Databricks Lakehouse & AI Offerings Journey



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Databricks Offerings



Data Practice : Data Journey

Build an Initial Strategy

Define your plan

Prepare analytics estate

Govern your analytics

Secure your analytics estate

Organize people and teams

Manage your analytics estate

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

How to develop a plan for cloud-scale analytics.

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.

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

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

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

How to provision platform and observability for a scenario.



Spyglass Databricks Lakehouse Platform & AI Journey

Building a Transformative Platform & Center of Excellence

Phase 1: Accelerated MVP Platform Fundamentals

MVP platform design and fundamentals established around lighthouse use case

Architecture & Environment Set Up

Workspace & Data Security

Design, Build, & Test

Initial Learning Needs Assessment

Phase 2: Pathway to Production

Enhanced platform enabling MVP use case to production Production-grade operational processes

Operational Efficiency

Production Readiness

Team & Demand Preparation

Workforce Readiness & User Onboarding

Phase 3: Scale to Value Realization

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

Embed & Enhance CoE Ways of Working

Execute Mutual Success Plan

Consolidate Databricks Partnership

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



MVP Platform & Use Case Live

Time

Intelligent Platform in 45 Days - Accelerated MVP Platform Fundamentals (DBxIQi45 @ \$150k)

DBxIQi45 is designed to help you create a Data Science and AI solution in Azure Databricks quickly and efficiently in just 6-weeks. With prebuilt infrastructure deployment(IaC) modules for a secure Azure Databricks Intelligent Platform Deployment, deploying a governed enterprise data framework and new platform is quick and easy.

With dozens of templates provided on top of the IaC blueprint, code bases, tool kits, design patterns, and other assets to leverage, your platform will be up and running before you know it.

Approach:

- Strategy & Plan: Analytics and Design Workshops; Implement Databricks Data Science, AI & ML Landing Zone(s)
- Accelerate: Model the lighthouse use-case and data assets (decide how the data you need and create will be organized, accessed, and stored) and sketch out the AI and ML solution architecture
- Innovate: Execute on the end-to-end solution architecture vision for one AI/ML usecase. Get your solution into the hands of users, get feedback, and decide what to change or add.

Deliverables:

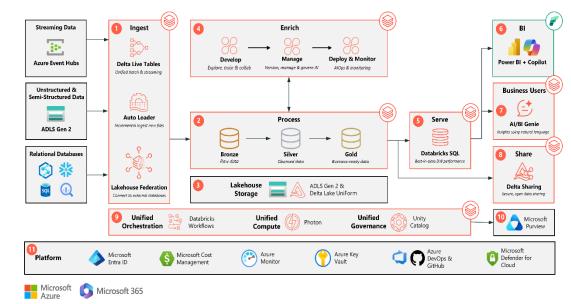
- Data Science, AI and ML Platform Deployment
- Source Code & Documentation
- Design and Deliver one AI/ML End-to-End pipeline

Timeline:

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

Weeks 3 & 4: Utilize Databricks capabilities to automate generation and deployment of data processes and activities in a Unity enabled Azure Databricks environment with deliverables including code repositories and a fully functional data processing architecture

Weeks 5 & 6: Iterate, monitor and optimize the data product and service, providing education and documentation for management and maintenance, with deliverables including developer exercises, design pattern definitions, educational sessions, and deployment guides



Thank You

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