

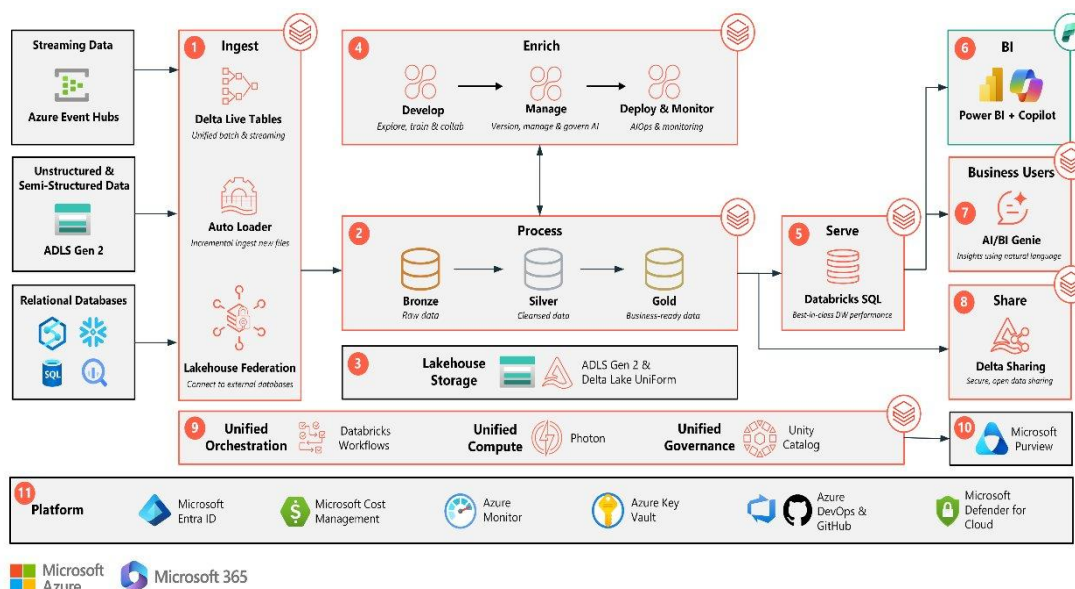
Databricks Intelligent Platform in 45 Days (DBxIQi45)

The Objective

The Databricks Intelligent Platform in 45 Days (DBxIQi45) empowers organizations to swiftly implement secure and scalable Data Science and AI solutions in Azure Databricks. Designed for efficiency, this 6-week program utilizes prebuilt infrastructure frameworks to establish a governed enterprise data platform with seamless deployment.

The Solution

The Databricks Intelligent Platform in 45 Days (DBxIQi45) directly addresses these challenges by delivering a robust Azure Databricks deployment hyper focused on Machine Learning (ML) and Artificial Intelligence (AI) solutions. This comprehensive solution establishes a secure, scalable platform, enabling a swift transition from a Minimum Viable Product (MVP) to production-grade operations and scaling to support extensive ML and AI use cases.



Implementation Process

- **Accelerated MVP Platform Fundamentals:** Establish a Minimum Viable Product (MVP) platform design and fundamentals around a lighthouse use case.
- **Pathway to Production:** Enhance the platform to enable the MVP use case to production with production-grade operational processes.
- **Scale to Value Realization:** Scale the platform and processes to deliver hundreds of use cases at scale.

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Timeline

Weeks 1 & 2: Design and Deliver

- 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

Deliverables

- **Data Science, AI, and ML Platform Deployment:** Secure and scalable deployment of the platform.
- **Source Code & Documentation:** Comprehensive documentation and source code for the deployed solution.
- **Design and Deliver One AI/ML End-to-End Pipeline:** Complete pipeline from data ingestion to model deployment.

Spyglass MTG Can Help!

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