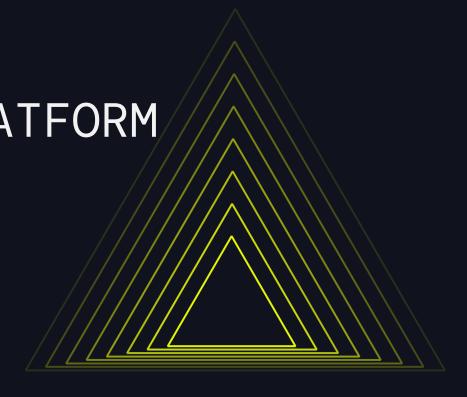


DEEPBREW 2.0 STARBUCKS ML PLATFORM



Vikas Vennavali Jun 13, 2024

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Introduction

DEEPBREW



DeepBrew is a Starbucks home AI/ML platform that empowers scientists and engineers to deploy ML applications securely and at scale with Databricks as primary compute for training

Principal Objectives



Quicker to innovation, shorten time to production insights



Higher quality products and services at scale



Foster better collaboration across different orgs



Easy to share reusable codes, framework, and utilities

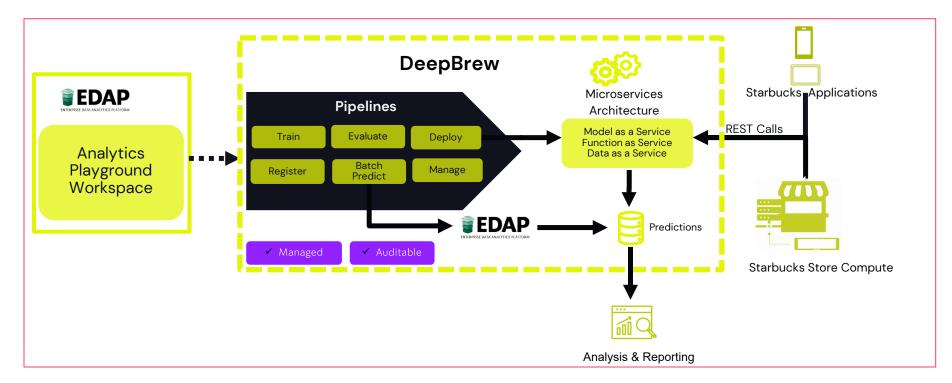


Discoverability of applications, models, and features

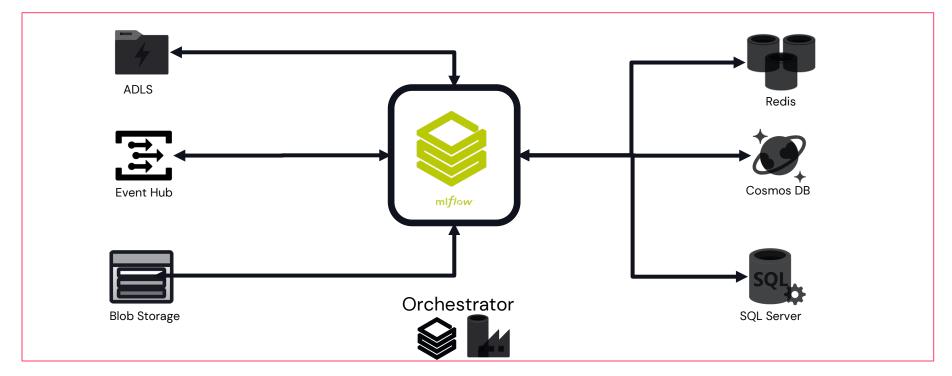


Reduce Data Scientist ops support significantly

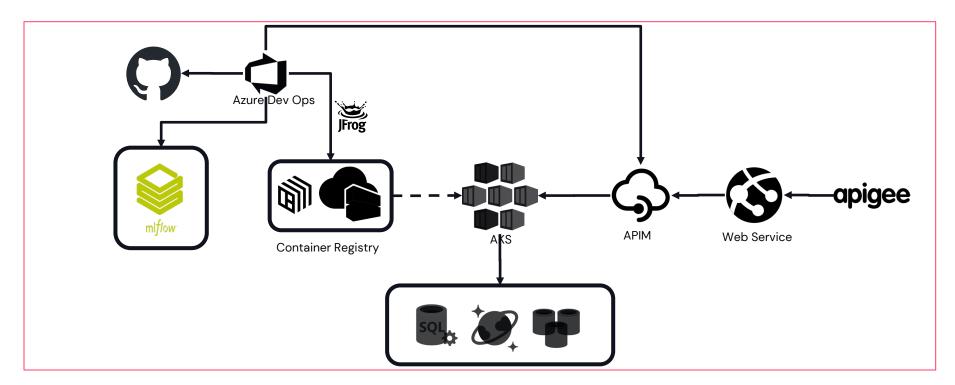
Overview



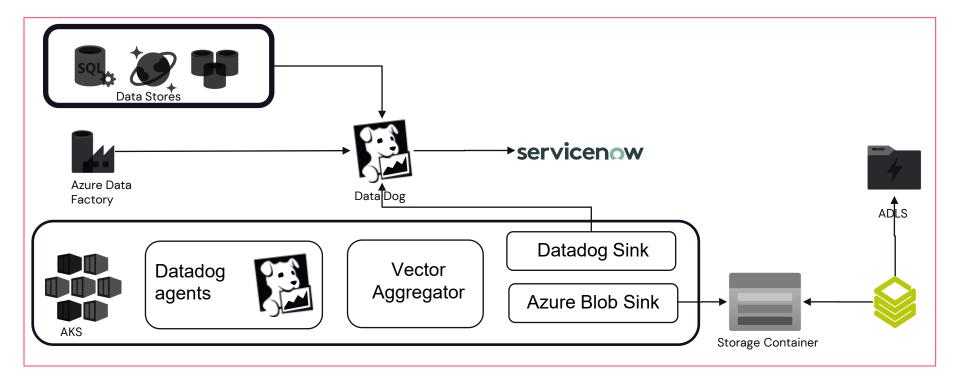
ML Pipelines



Model | Data | Function as a Service



Logging | Monitoring | Alerting



Environments



Ancillary Highlights

- Bring your own model
- Consistency with coding thru cookiecutter templates
- Hardened and governed platform
- Upgrades, libraries and security Patches
- 24X7 managed care

Current & Upcoming Initiatives

- Gen Al & LLM Ops
- GraphQL API & Federation
- Enterprise feature store
- Centralized model monitoring
- Service mesh
- Al Governance

Recap & Conclusion



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Thank You

