EXPERIMENT

DEPLOYMENT

Managed mlflow

A Databricks platform that provides a centralized and streamlined environment for machine learning lifecycle management, enabling organizations to efficiently track, reproduce, and deploy machine learning models at large scale

Input

All Kinds of Data Format /Sources

Process on Managed MLflow

Experiment

MLflow Tracking
"Any ML library / Framework /Language"

Deployment

MLflow Model
"Production-Ready Model + AI Gateway"

MLflow Project
"Scalable Cloud + Specify Environment + Reusable Code"

MLflow Registry
"One Central Place to Manage"

Output

Low Lantency Online

Large-Scale Batch

On Device / Edge

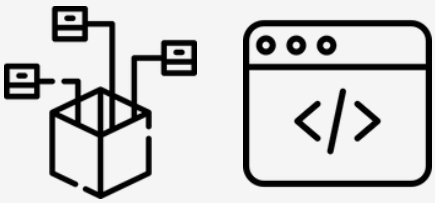
Comparative Advantages of Managed MLflow

FEATURES/ CAPABILITIES	MANAGED MLFLOW	AZURE ML	AWS SAGEMAKER	COMET ML
PRIMARY USE CASE	Open Source ML Lifecycle Management	Cloud Based ML Services	End to End ML Platform	Experiment Tracking & Collaboration
MODEL REGISTRY	✓	✓	✓	✓
EXPERIMENT TRACKING	✓	✓	✓	✓
MODEL DEPLOYMENT	✓	✓	✓	✗
INTEGRATION WITH CLOUD	Can be used on any cloud ✓	Native to Azure	Native to AWS	Integrations Available
PRICING MODEL	Open source, Free ✓	Pay-as-you-go	Pay-as-you-go	Freemium

Efficiency

MLFlow Models

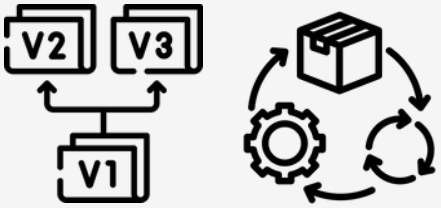
Streamline your machine learning workflows with built-in model flavors and built-in deployment tools



Collaboration

MLFlow Registry

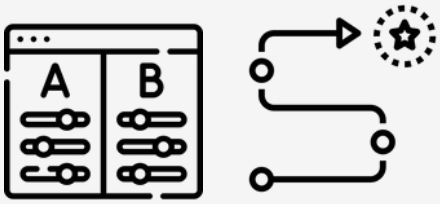
Foster seamless collaboration among teams with a centralized model registry and track model versions and model stages automatically



Insight

MLFlow Tracking

Visualize result difference and experiment process comprehensively, enhancing transparency and data-driven decision-making



Reproducibility

MLFlow Projects

Specify and manage software environment to enhance project reproducibility

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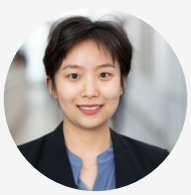

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