

MLflow and the model lifecycle

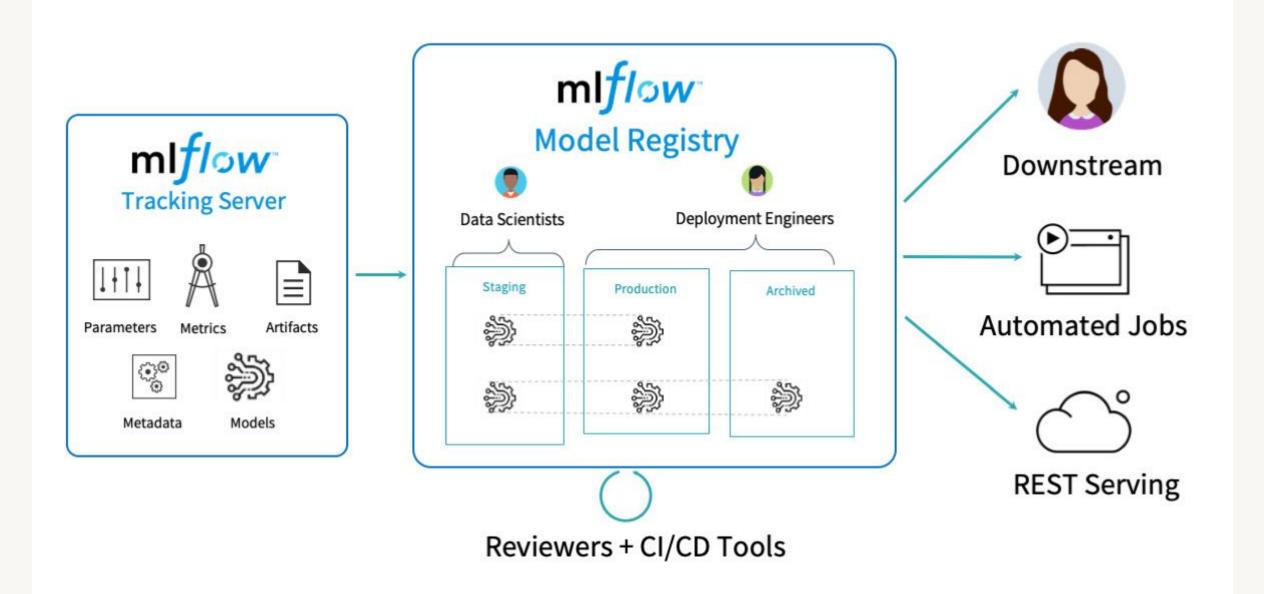


- Describe the purpose of MLflow.
- Describe how MLflow supports Machine Learning initiatives.

### What is MLflow?



An open-source platform for managing the end-to-end machine learning lifecycle.



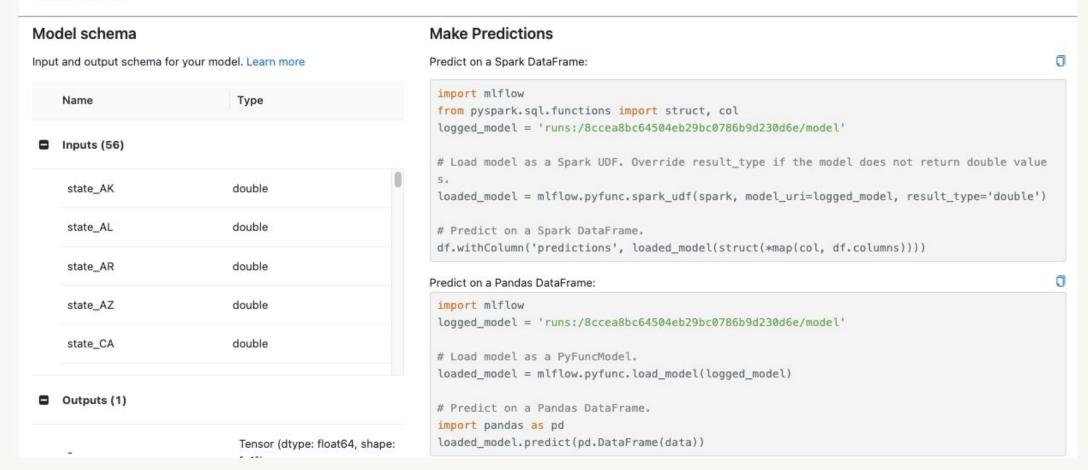
### MLflow Tracking and Autologging



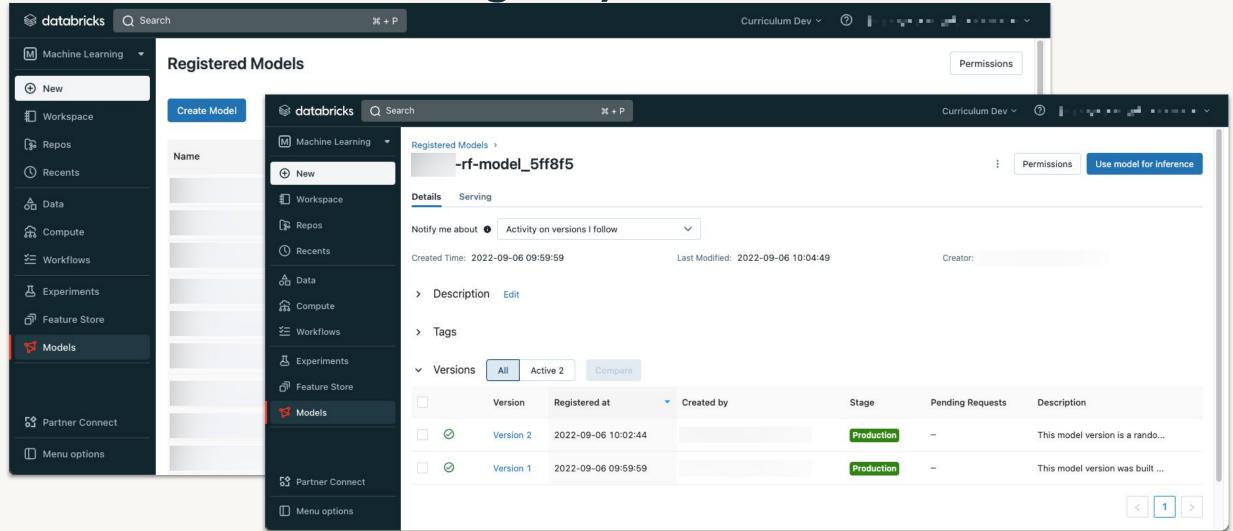
#### **MLflow Models**

#### MLflow Model

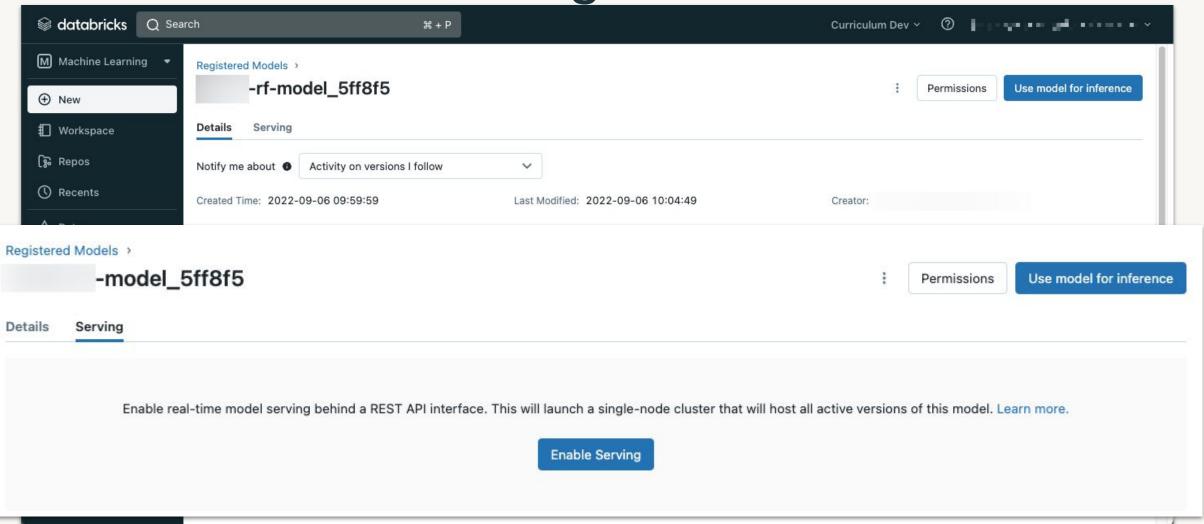
The code snippets below demonstrate how to make predictions using the logged model. You can also register it to the model registry to version control and deploy as a REST endpoint for real time serving.



#### **MLflow Model Registry**



#### **MLflow Model Serving**





Use Model Registry to manage the model lifecycle



• Use Model Registry to manage the model lifecycle.



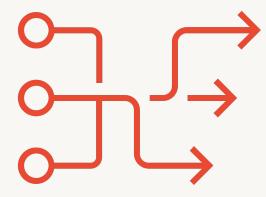
Deploy a model for batch inference



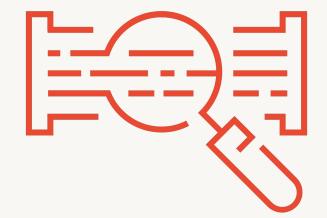
• Use a registered model and feature table to perform batch inference.

### Deploying Models to Production

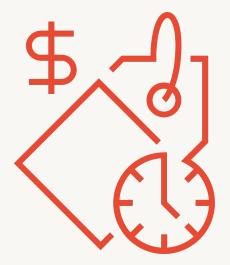
#### **Batch**



#### **Streaming**



#### Real-time serving





Automatic Model Retraining



• Schedule a model refresh using Databricks Workflows and AutoML.