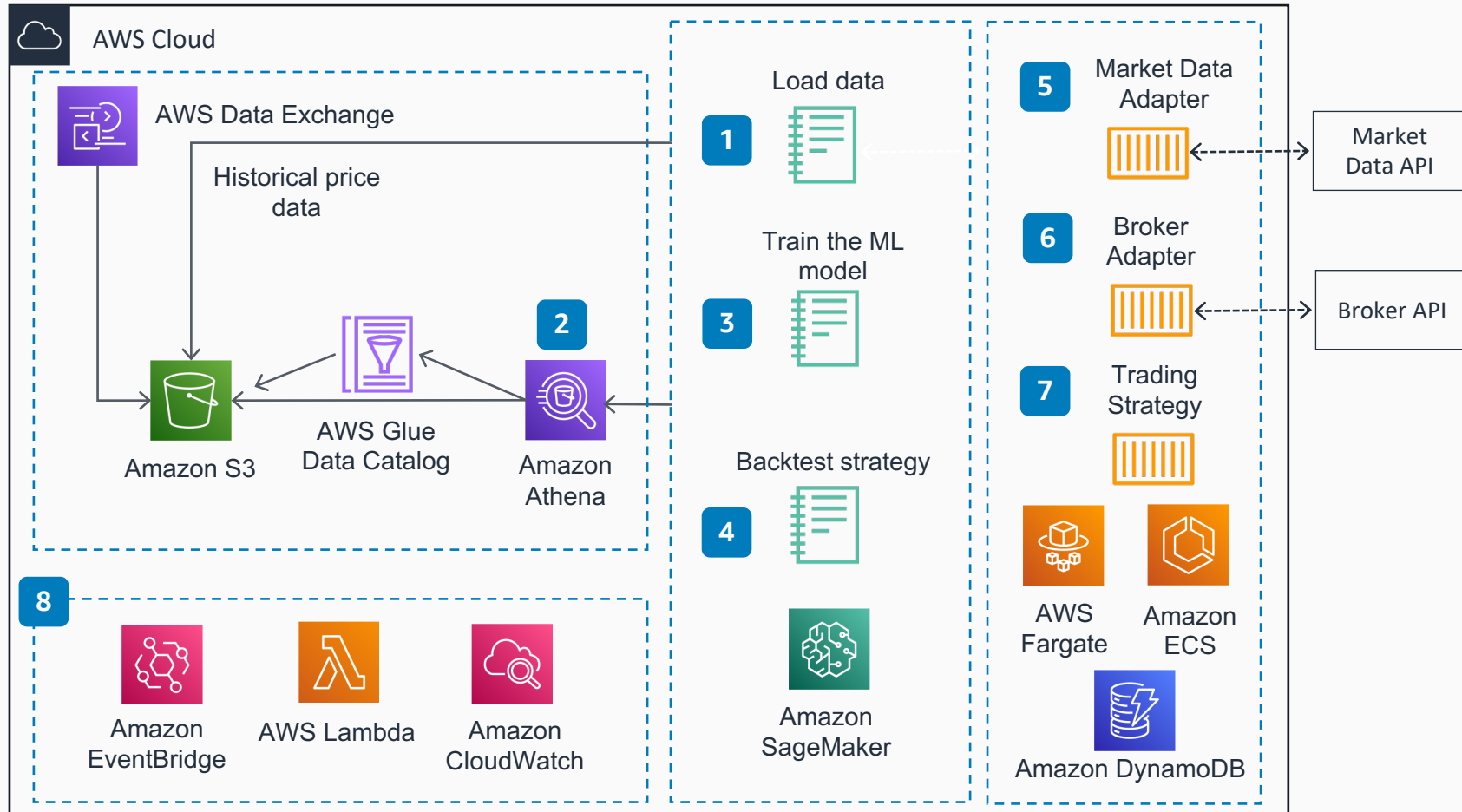


Algorithmic Trading on AWS

AWS Fargate, Amazon ECS, and Amazon SageMaker are used for backtesting and hosting machine learning-based algorithmic trading strategies. Historical market data is loaded via **AWS Data Exchange**, and made accessible via **Amazon Athena**. Real-time market data connectors and broker gateways are hosted as containers, and transactional data is kept in **Amazon DynamoDB**. Code examples can be found in [this GitHub repository](#).



- 1 Get historical price data from **AWS Data Exchange** or external market data sources.
- 2 Catalog historical price data in **AWS Glue Data Catalog** and query data via **Amazon Athena**.
- 3 Train the machine learning (ML) model for ML-based trading strategies using **Amazon SageMaker**.
- 4 Run Backtest for trading strategy as a task via **AWS Fargate / Amazon Elastic Container Service (Amazon ECS)**.
- 5 Run Market Data Adapter as a service via **Fargate / ECS** and feed data into **Amazon DynamoDB**.
- 6 Run Broker Adapter as a service via **Fargate / ECS** and use **DynamoDB** as transaction store.
- 7 Run Trading Strategy as a service via **Fargate / ECS**.
- 8 Use **Amazon EventBridge** for scheduling of jobs using **AWS Lambda** functions. Use **Amazon CloudWatch** for monitoring.