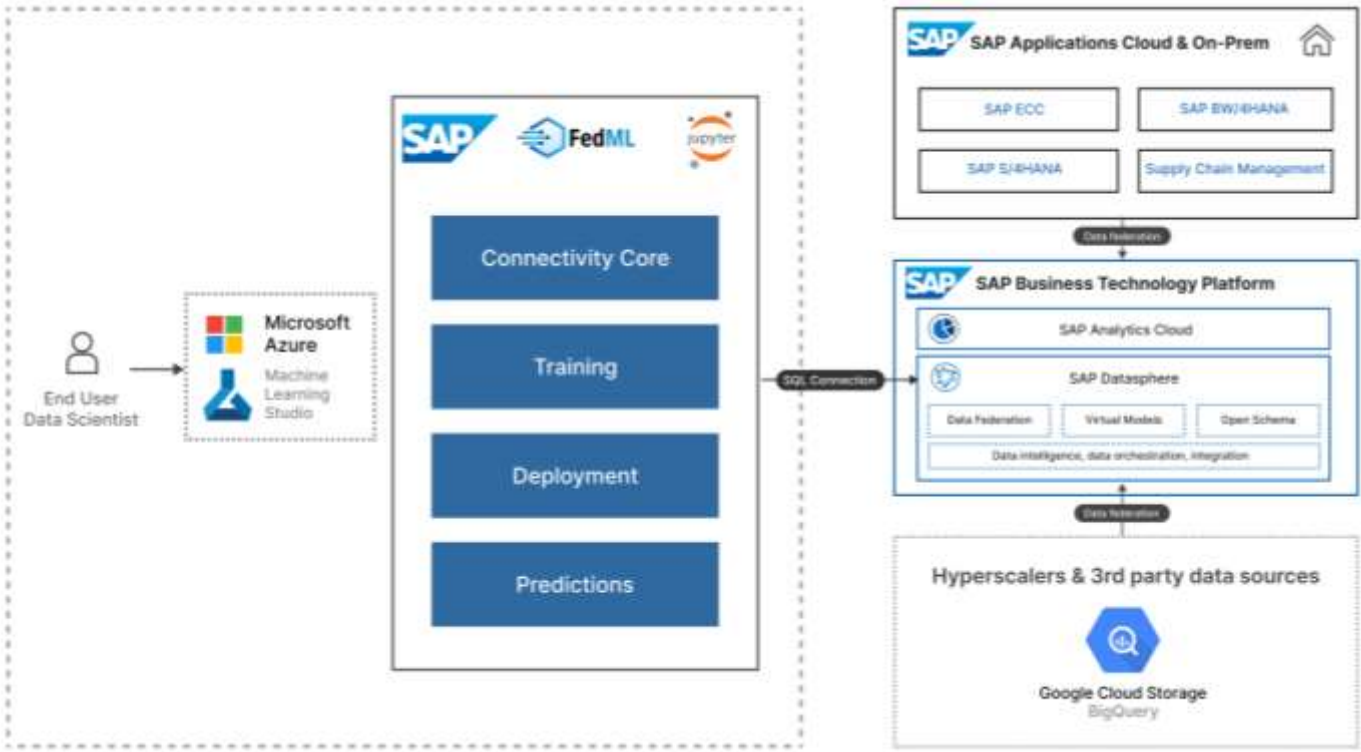


Inventory Prediction and Replenishment Overview

Inventory Prediction and Replenishment with FedML use case:

By combining SAP Datasphere's data federation capabilities with FedML's machine learning framework, organizations can build and train models on hyperscaler platforms like Azure Machine Learning, without moving sensitive data. This eliminates data silos, reduces costs, and improves model accuracy. The solution enables predictive inventory management and comparative sales performance analysis using real-time data, driving better business decisions and optimized operations using tools like SAP Datasphere and SAP Analytics cloud.



Business Challenge

- ✓ Data Silos, Inconsistency and conflicts
- ✓ Increased Storage Costs
- ✓ Complex data pipelines
- ✓ Data security and risk
- ✓ Time consuming data preparation and analysis
- ✓ Integration between various platforms and tools

Solution – At a Glance

Leverage SAP Datasphere and FedML to decentralize ML operations without data movement

- ✓ Inventory management
- ✓ Machine learning framework for distributed data
- ✓ Unified Data access and management
- ✓ Cloud infrastructure for model training and deployment
- ✓ Market trends and customer requirement insights
- ✓ Enhanced supply chain management

Business Benefits

- ✓ Cost reduction
- ✓ Inventory management w accurate insights and analysis
- ✓ Improved data quality and accuracy
- ✓ Enhanced security
- ✓ Seamless integration of live data
- ✓ Data-driven decision making
- ✓ Competitive advantages

Bill of Material (BOM)

SAP Analytics Cloud | DataSphere | HANA Cloud | Google BigQuery | MS Azure ML Studio