Microsoft

Azure Databricks

Azure Databricks is a fast, easy, and collaborative Apache Spark™-based analytics platform optimized for Azure

Designed in collaboration with the founders of Apache Spark, Azure Databricks provides you with one-click set up, streamlined workflows, and an interactive workspace. Azure Databricks is a first-party Azure service, so you benefit from enterprise-grade security and native integration with the Azure platform.

Azure Databricks combines the best of Azure and Apache Spark to accelerate innovation

INCREASE PRODUCTIVITY

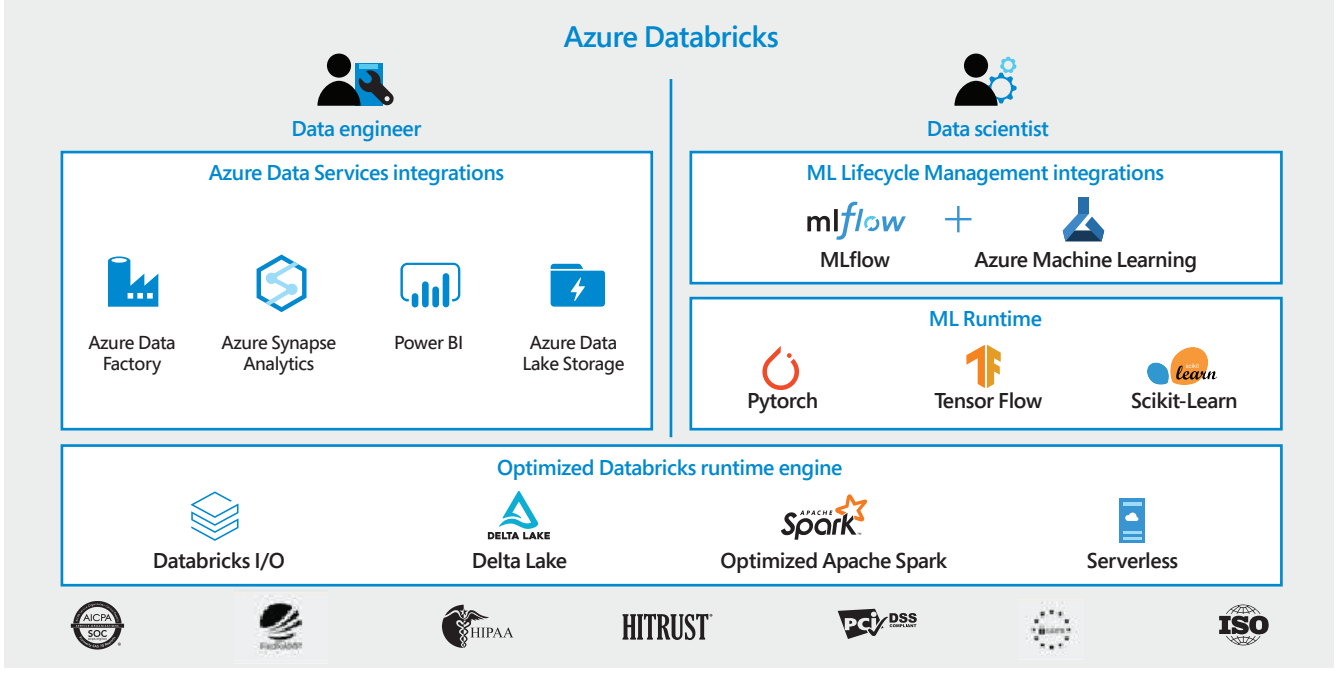
- Get started in seconds
- Innovate faster with Azure integration
- Improve collaboration through a unified workspace
- Share your insights through Power BI

BUILD ON A SECURE, TRUSTED CLOUD

- Scale globally with the most available regions of any public cloud
- Secure data with role-based access controls
- Access enterprise-grade support

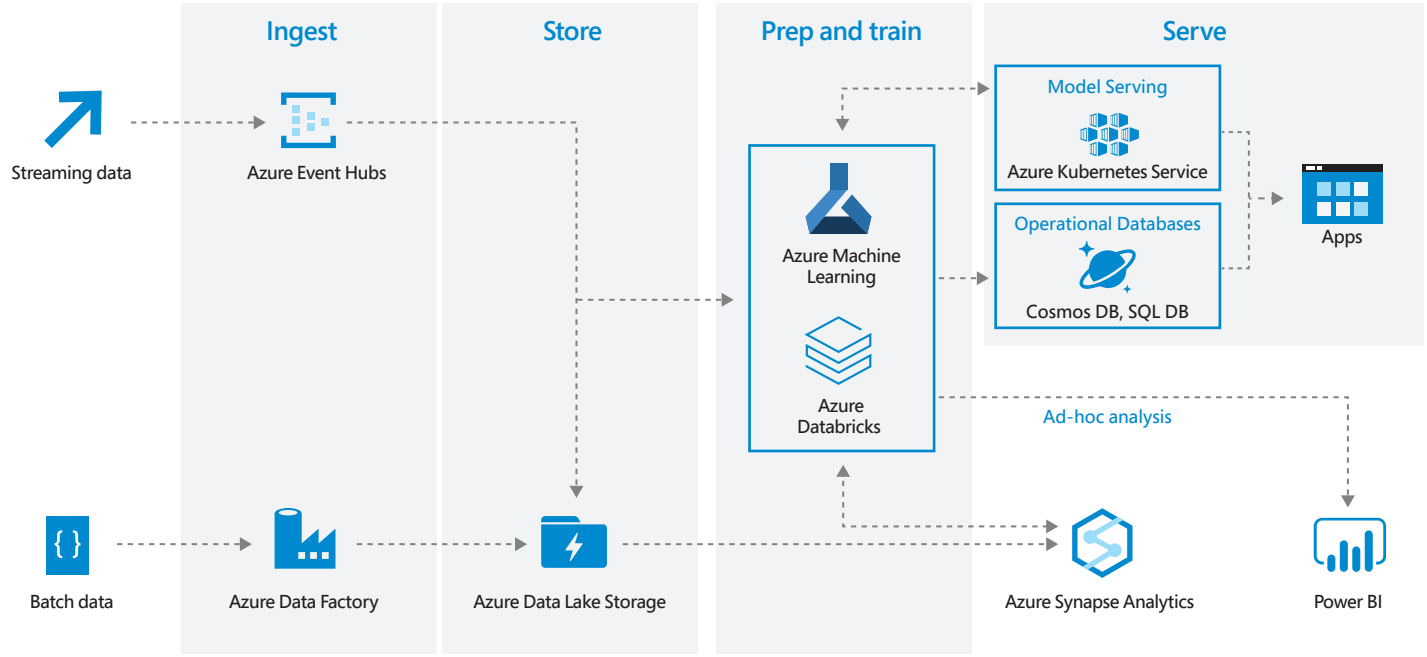
SCALE WITHOUT LIMITS

- Add capacity instantly
- Scale compute and storage independently to reduce TCO
- Accelerate data processing with the fastest Spark engine



The convergence of cloud, data, and artificial intelligence has unlocked new opportunities for businesses. By implementing advanced analytics solutions with AI and machine learning capabilities, businesses can capitalize on these opportunities to generate new revenue streams and optimize costs.

Azure Databricks is a key component in Microsoft's recommended approach to analytics



	Modern Data Warehouse	Advanced Analytics	Real-time Analytics
Customer Objective	*"We want to extend to untapped data sources."*	*"We want to use machine learning and AI to get deeper insights from our data."*	*"We want to get insights from our data in real-time."*
How Databricks Helps	• Autoscale clusters dynamically to optimize performance and cost • Integrate natively with Azure services with enterprise-grade security • Custom connector to Azure Synapse Analytics for high-speed data transfer with batch and streaming data	• Collaborate in notebooks to construct multi-stage data pipelines • Integrate with Azure Machine Learning for automated ML, deploy models from the cloud to the edge and build common model registry across the organization	• Combine batch and stream processing with low latency • Set up automatic recovery to get exactly-once fault-tolerance

What customers are saying

"Using Azure Databricks has opened the flood gates to all kinds of new use cases and innovations. In our previous process, 15 devices, which created 2M records, took 6 hours to process. With Azure Databricks, we are able to process 25K devices—10B records—in under 14 minutes."

LENNOX INTERNATIONAL

Sunil Bondalapati
Director of IT, Lennox International

"Every day, we analyze nearly a terabyte of wind turbine data to optimize our data models. Before, that took several hours. With Microsoft Azure Databricks, it takes a few minutes. This opens a whole range of possible new applications."

e·on

Sam Julian
Product Owner, Data Services, E.ON

Learn more through our webinar series: aka.ms/AzureDatabricksBestPracticesWebinar