Unlock faster data-driven business decisions with Azure Databricks

Co-developed by Microsoft and Databricks, Azure Databricks is a first-party service offered by Microsoft that can reduce friction across each stage of data and AI projects and enable faster time to value.

Build pipelines, train models, and deliver insights using AI instead of stitching tools together or battling infrastructure bottlenecks.

Simple manageability

Native integration out of the box

Azure Databricks, available in the Microsoft Azure portal, integrates with multiple key Azure services—without additional setup.

Centralized control

One platform, one support path, one invoice—a unified experience from infrastructure to insight. A single console streamlines deployment and helps reduce the time to first job.

Co-engineered operations

Designed for speed

Azure Databricks natively uses Azure Data Lake Storage (ADLS) for its Lakehouse architecture, enabling direct access for data ingestion, analytics, and AI workloads, which minimizes latency and data movement.
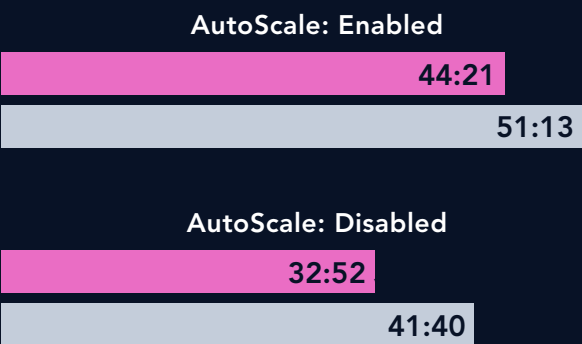
Microsoft advantage

Enhance BI, ML, and AI workloads in Azure Databricks with Microsoft services, such as Power BI, Azure AI Foundry, Microsoft Purview, Copilot Studio, Power Platform, and more.

Running decision support system workloads, Azure Databricks delivered faster results compared to Databricks on AWS

Complete query streams in 21.1% less time
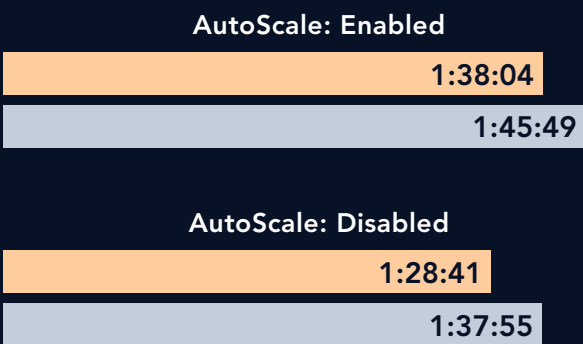
Power | Time (mm:ss) | Less is better

AutoScale: Enabled	
Azure Databricks cluster	44:21
Databricks cluster on AWS	51:13

AutoScale: Disabled	
Azure Databricks cluster	32:52
Databricks cluster on AWS	41:40

■ Azure Databricks cluster
▫ Databricks cluster on AWS

Save 9+ minutes running concurrent query streams

Throughput | Time (h:mm:ss) | Less is better

AutoScale: Enabled	
Azure Databricks cluster	1:38:04
Databricks cluster on AWS	1:45:49

AutoScale: Disabled	
Azure Databricks cluster	1:28:41
Databricks cluster on AWS	1:37:55

■ Azure Databricks cluster
▫ Databricks cluster on AWS

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