

# Microsoft Machine Learning Server

## Solution Overview

Microsoft Machine Learning Server is an in-data advanced analytics offering that enables you to work with flexible tooling across your existing open source and enterprise IT investments.

This offering works within Microsoft's end-to-end data science solution to empower organizations to solve business problems and seize new opportunities by enabling them to analyze data where it lives, innovate using artificial intelligence, and build mission-critical applications faster.

## How your organization can benefit



**Innovate faster:** Leverage the latest innovation and quickly deploy your data science applications at scale



**Reduce cost:** Protect your analytics investments with optimal TCO and eliminate costly data movement



**Reduce risk:** Use the continuity of an enterprise-grade platform for security and governance

Get Microsoft Machine Learning Server easily with a license for SQL Server with SA, and access machine learning capabilities across all your IT investments.

Turning information into insight—and insight into action—can be challenging

Data is a key strategic asset for your organization. But data lives in disparate places, and moving, governing, and correlating it can be expensive, risky, and time-consuming. Even once you have the right data management and analytics capabilities, it can be a struggle to get analytics to production, often requiring months to rewrite models before it's possible to derive value.

Businesses need a data platform that enables collaborative model development to build

intelligence into everyday processes and mission-critical applications. By bringing together data scientists, data engineers, developers, and IT professionals with your data strategy, you can achieve faster time to insight and real business transformation.



60%

Of organizations report correlating multiple data sources is a top 3 challenge<sup>1</sup>

Microsoft embraces openness, enabling you to work with the technology of your choice

Open source innovation



Microsoft innovation



Microsoft enhances open source ingenuity with a foundation for security, speed, and scale. Add to that innovation from Microsoft R&D and you have an advanced analytics platform that bridges traditional and advanced analytics. Microsoft provides the flexibility to work

in the cloud, on-premises, or both – as well as access to the most popular open source languages and frameworks.

Don't waste time and money rewriting code and replacing siloed solutions – instead empower people throughout your organization to participate in data initiatives.

Empower data scientists, data engineers, and developers

**Start with the productivity enhancements every business needs.** Get your data scientists out of the data management business and empower your analytics team to use their preferred tools and languages. Reuse code and skills across platforms and apply flexible analytics at speeds of over 1M predictions per second – whether data is on-premises, in the cloud, or both.

**Add to that the opportunity to innovate.** Bridge traditional and advanced analytics with the ability to do GPU-powered deep learning and use R and Python. Parallelize processing to achieve insight faster and build cognitive intelligence into applications at scale. Put innovative technology to work and turn experiments into production systems deployed across your business.

<https://avatars2.githubusercontent.com/u/365630?v=3&s=400>



**Final version of end-to-end data solution, learn more**

**In august when we reopen will put the visual here.**

Providing value across the entire stack of machine learning solutions

With Microsoft, a reliable roadmap of enterprise-ready innovations means you can trust that your investments today will not hamstring you tomorrow. We build productivity software with enterprise-ready analytics in mind, and develop advanced analytics to natively integrate with existing architectures. All to ensure that companies can realize the impact of advanced analytics on their business. Whether deploying a small experiment or rolling out large scale cloud services, Microsoft Machine Learning Server serves as your end-to-end workbench for advanced analytics.

To learn more visit: <https://azure.microsoft.com/en-us/services/machine-learning/?v=17.23h>

What customers are saying and seeing

*"SQL Server with ML Services adds agility to the process of bringing science from the research lab to production and increases the overall breadth of science capabilities. We can apply science directly where the data is provided, enabling database processes to run up to 100 times faster."*

– Justin Silver, Senior Scientist, PROS

Learn more: <https://customers.microsoft.com/en-us/story/pros>



Learn more >>

Contact your Microsoft Data Platform and Account Executive for more information, or visit: <https://www.microsoft.com/sql-server/machinelearningserver>

