



Azure Machine Learning service

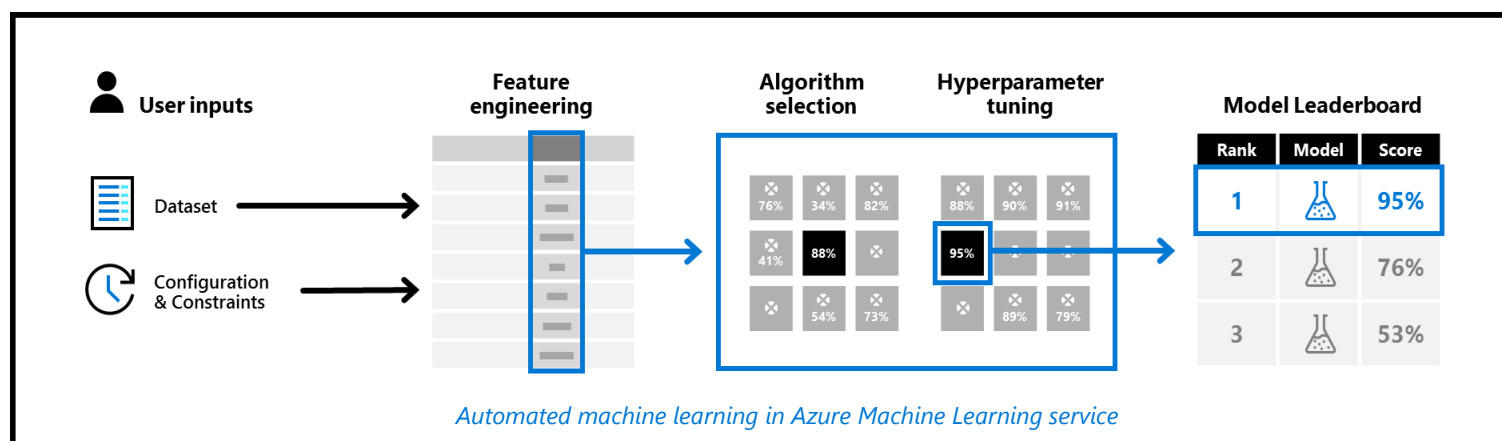
Access productive machine learning

Rapidly build and deploy machine learning models using tools that meet your needs across skill levels, from no-code to code-first experiences. Use a visual drag-and-drop interface, a hosted notebook environment, or automated machine learning. Accelerate model development with automated feature engineering, algorithm selection, and hyperparameter sweeping. Get built-in support for familiar open-source tools and frameworks, including ONNX, Python, PyTorch, scikit-learn, and TensorFlow.

“With automated machine learning in Azure Machine Learning service, we can focus our testing on the most accurate models and avoid testing a large range of less valuable models, because it retains only the ones we want. That saves months of time for us.”

Matthieu Boujonnier

Analytics Application Architect and Data Scientist,
Schneider Electric



Innovate faster with robust MLOps

Machine Learning Operations, or MLOps, is DevOps for machine learning, and streamlines the end-to-end lifecycle, from data preparation to deployment to monitoring. Simplify your workflows and increase efficiency using machine learning pipelines. Take advantage of continuous integration and continuous delivery (CI/CD) for ease of support and maintenance while improving model quality over time. Manage your model artifacts from a central portal and monitor the performance of deployed models.

Tap into the cloud on demand from your desktop

Use any data and deploy machine learning models anywhere, from the cloud to the edge, to maximize flexibility. Train models quickly and cost-effectively by autoscaling using powerful CPU and GPU compute resources. Inference in real time in the cloud or at the edge using FPGAs.

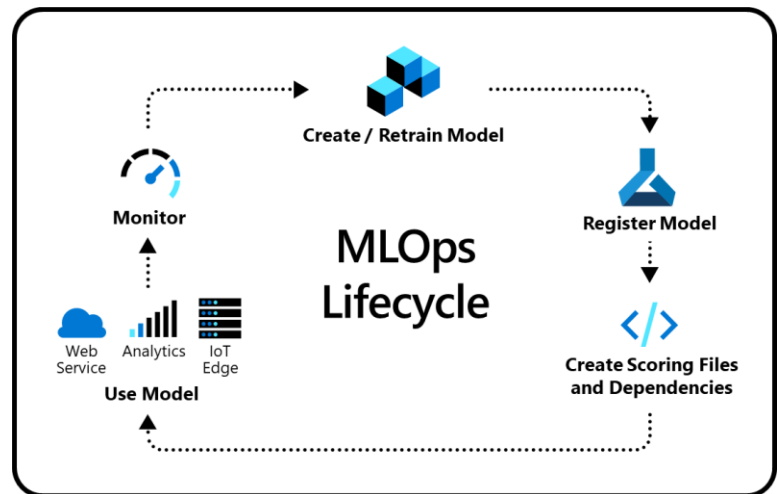
Protect your infrastructure and solutions

Build your machine learning models using the enterprise-ready security, compliance, and virtual network support of Azure for all your data science needs. Protect your workloads using built-in controls for identity, data, and networking across Azure, which offers the most comprehensive compliance portfolio of any cloud provider.

Connect your end-to-end machine learning lifecycle

Bring the best of DevOps to your machine learning lifecycle to help teams collaborate and keep models updated through continuous integration/continuous deployment (CI/CD).

- **Model reproducibility and versioning control** to track and manage assets.
- **Audit trail** to ensure asset integrity and help meet regulatory requirements.
- **Packaging and validation** for model portability and to certify model performance.
- **Deployment and monitoring support** to help you release models with confidence and know when to retrain.
- **Azure DevOps extension for Machine Learning** to automate end-to-end ML deployment workflows using Azure DevOps Pipelines.



“By unifying our tech stack and bringing Big Data and software engineers together with data scientists, we got our development time down from months to just a few weeks. By standardizing on Azure Machine Learning service and building cross-functional teams, our data scientists and engineers are having a better experience and can be more productive because they work together more easily.”

– Naeem Khedarun
Principal Software Engineer, ASOS

Pay only for what you need, with no upfront cost

Pay only for the Azure resources used to train your models. For more details, including the cost of deploying models, see the [Azure Machine Learning service pricing page](#).



Get started today with the Azure Machine Learning service

Including all the benefits of Azure:



Productive



Hybrid



Intelligent



Trusted

Get the free trial
of the Azure Machine
Learning service

[Learn more](#)