

ModelOps with SAS and Microsoft

Build and deploy analytic models anywhere in the Microsoft Cloud while maintaining strong governance and performance by adopting an agile ModelOps framework.



Why customers use SAS® and Microsoft:

- Together, SAS and Microsoft combine leading [data science and machine learning platform capabilities](#) with leading [cloud infrastructure and platform services](#) (Gartner Magic Quadrant).
- Call SAS and open source models from anywhere in the Microsoft Cloud when you register your models in Azure Machine Learning.
- Monitor models deployed in the Microsoft Cloud from SAS Model Manager to improve performance over time.

Build the best models, faster

Reduce the time it takes to deploy machine learning models by incorporating subject matter experts from across the enterprise using SAS' no-code, low-code visual interface.

Scale your models to more places

Score, govern and select champion SAS and open source models within SAS Model Manager. Register the model in Azure Machine Learning to deploy to the Microsoft Cloud.

Retrain and redeploy models quickly

Models degrade over time. When it's time to retrain your model, SAS Model Manager keeps track of model components and steps, so you don't need to rebuild your model from scratch.

PROMOTE COLLABORATION ACROSS THE ENTERPRISE

- Incorporate expertise from the line of business with automatically generated visuals and natural language explanations.
- SAS® Viya® empowers you to build models in SAS, open source, or using a visual drag-and-drop interface.

Build analytics models faster

BUILD IN SAS, DEPLOY IN THE MICROSOFT CLOUD

- Score, govern and select champion SAS and open source models within SAS Model Manager.
- Register the model in Azure Machine Learning to deploy anywhere the Microsoft Cloud like Azure Synapse Analytics, Dynamics 365, Power Platform and more.

Move to production seamlessly

AGILE MODEL LIFE CYCLE GOVERNANCE

- Monitor performance of models registered and deployed in the Microsoft Cloud in SAS Model Manager.
- Easily retrain degraded models in SAS without needing to rebuild from scratch. Just reregister your model in Azure Machine Learning to redeploy in the Microsoft Cloud.

Make the best decision every time

SAS Model Manager and Azure Machine Learning

SAS and Microsoft make it easier to build and deploy analytic models to more places while maintaining strong governance and performance.



Better together with Microsoft

- Register your SAS and open source models in Azure Machine Learning to deploy to services and applications in the Microsoft Cloud.
- Move your workflow to your data by deploying your models in lightweight SAS Container Runtime images in the Microsoft Cloud.
- Monitor performance of models deployed in the Microsoft Cloud from SAS Model Manager for all your governance needs.



Develop a ModelOps framework

- Based on DevOps principles, ModelOps allows you to move models to validation, testing and production quickly while ensuring quality results.
- Automate the ingestion, integration and preparation of huge volumes of data from multiple sources to ensure the most accurate model outputs using Azure Synapse Analytics or the data store of your choice.
- Build models faster with SAS Workflow Manager in a visual, automated and governed process that streamlines model development across stakeholders.



Ensure the most accurate results

- Drive expected business value by incorporating IT, app developer and business experts in model development using SAS visual user interface.
- Monitor model life cycle and deliver transparent results by logging versions of models across project history.
- Embed business rules in customizable workflows to automate and improve decision making.



Before we started using SAS, we had been using predictive models for a few years, but we did not have a structured way of working with them, creating them and monitoring them. They were not scalable; they were like a black box model to us. We drew out the modeling process identifying our business-critical needs, particularly those that the former technical solution did not meet, and it was simply a click with SAS.



Johanna Makkonen
Senior Analyst, S-Bank

Why SAS and Microsoft?

SAS and Microsoft have joined forces to define the future of AI and analytics in the cloud. With Microsoft Azure as the preferred provider for the SAS Cloud, we are working together to provide the best experience and value to our customers as they seek to run their mission-critical analytics workloads in the cloud. Through this strategic partnership, we will offer new market-ready solutions and services that integrate SAS Analytics and AI with Microsoft cloud solutions: Azure, Microsoft 365, Dynamics 365 and Power Platform. Now customers in every industry can unlock even more critical data insights on the path to digital transformation, meet business goals faster and drive innovation cost-effectively.

Learn more at:
sas.com/microsoft

