

SAS Viya Workbench speeds coding and analytics with a self-service, cloud-native environment. Get compute in seconds, work in SAS, Python, or R, and integrate with your favourite tools. See how you can experiment, iterate, and deploy faster.

UK Government organisations are under increasing pressure to accelerate the delivery of analytical insights while maintaining strict standards of security, governance and auditability. Analysts, data scientists and operational teams need a flexible environment that lets them experiment, code and innovate quickly without compromising compliance. SAS Viya Workbench is purpose-built for this challenge. It provides a secure, cloud-hosted, containerised development environment that allows public sector teams to use SAS, Python and R in a governed, isolated workspace, enabling rapid prototyping, data exploration and model development at pace. By combining low-code tooling with full-code freedom and hardened operational controls, SAS Viya Workbench empowers government departments to innovate safely, shorten the time from concept to outcome, and generate high-quality, evidence-based insights that support critical national missions.

SAS® Viya Workbench on G-Cloud

SAS Viya Workbench is a cloud-based compute environment that empowers developers, data scientists and modellers to easily conduct data management, analysis and model development using SAS, Python or R through Visual Studio (VS) Code, Jupyter Notebook or SAS Enterprise Guide interfaces. With Viya Workbench, developers are up and running in the cloud in seconds. Most SAS9 procedures and Viya multithreaded procedures are available. The algorithms tested in a performance study of Viya, which were 30x faster than the competition*, are the same algorithms running in Viya Workbench.

Our Approach

Technology is rapidly changing. Modellers and data scientists, both experienced and novice, need a development environment that supports experimentation and innovation.

They also need access to a variety of data and AI capabilities for data analysis and model building. They require flexibility to use different programming languages based on expertise. Their working environment needs to allow for simple importation of existing data and programs. Furthermore, developers, modellers and data scientists want a dedicated workspace and a high-performance coding environment for quick results. They seek integration with preferred IDEs and Git for seamless self-provisioning in the cloud, with minimal IT intervention. Effective version control is also crucial.

The infrastructure must be flexible to meet project needs, with configurable compute options tailored to workload requirements and access to specific compute resources. The environment must be scalable to efficiently iterate and manage costs.

The SAS difference

SAS empowers developers, modellers and data science teams with freedom, flexibility and advanced analytics to build models with trusted output, faster.

- Develop models quickly while optimising efficiency and costs
- Accelerate team productivity for SAS and Python developers
- Access industry-leading analytics from a partner you can trust

For whom is SAS Viya Workbench designed?

Many voices. Different needs.

- Decision maker.
- Data engineer.
- Data scientist and modeller.
- Application developer.
- DevOps (IT).

Develop models quickly while optimising efficiency and costs.

- Spin up a Viya Workbench session in the cloud in seconds.
- Configure server size to match your workload requirements by choosing your cores, memory and GPUs.
- Minimise cloud computing costs with self-terminating sessions. Sessions resume automatically where they last terminated.
- Use fast point-and-click self-provisioning, requiring minimal IT support after the initial setup.

Accelerate team productivity for SAS and Python developers.

- Experience minimal to no learning curve for new users experienced with SAS or Python.
- Choose your favourite coding language (SAS, Python or R) and IDE (VS Code, Jupyter Notebook or SAS Enterprise Guide).
- Create new or use existing projects. Develop from the ground up or import existing SAS, Python or R code.
- Collaborate using Git for distributed version control, backups and archiving.
- Save model score code as executable modules for easy production use.

Access industry-leading analytics from a partner you can trust.

- Develop innovative analytics and AI and machine learning models quickly and consistently.
- Optimise the development process, including data preparation, exploration, advanced analytics and AI/ML modelling.
- Incorporate the latest and highly performant SAS analytical capabilities and procedures.
- Use the latest Python APIs, enabling data retrieval, parsing, updating and manipulation.

Pricing

SAS Viya Workbench can be purchased through AWS or Microsoft Marketplace. A SaaS subscription is used for access to the control plane for SAS Viya Workbench. SAS Viya Workbench is Managed Application that deploys per customer in their cloud tenant.

Learn More

To learn more about [SAS Viya Workbench | SAS](#)