

Single Day Event

Perform exploratory data analysis,
develop AI/ML and advanced analytics
model using language of your choice

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Agenda

1. Current development challenges
2. What are programmer needs
3. How SAS helps
4. A demonstration



Current development challenges

Systems, People and Processes



Environments

—

Maintaining separate environments to accommodate coding language



Speed of Development

—

Data preparation and analytics across disparate tools is time consuming and cumbersome



Productivity

—

Re-writing projects significantly hinders productivity



Flexible Infrastructure

—

Provisioning the right-sized environment and scaling up & down as needed



Governance

—

Package dependencies and security requirements hinder process and governance consistency



An ecosystem that supports various user personas, choice of language and IDE





How SAS helps

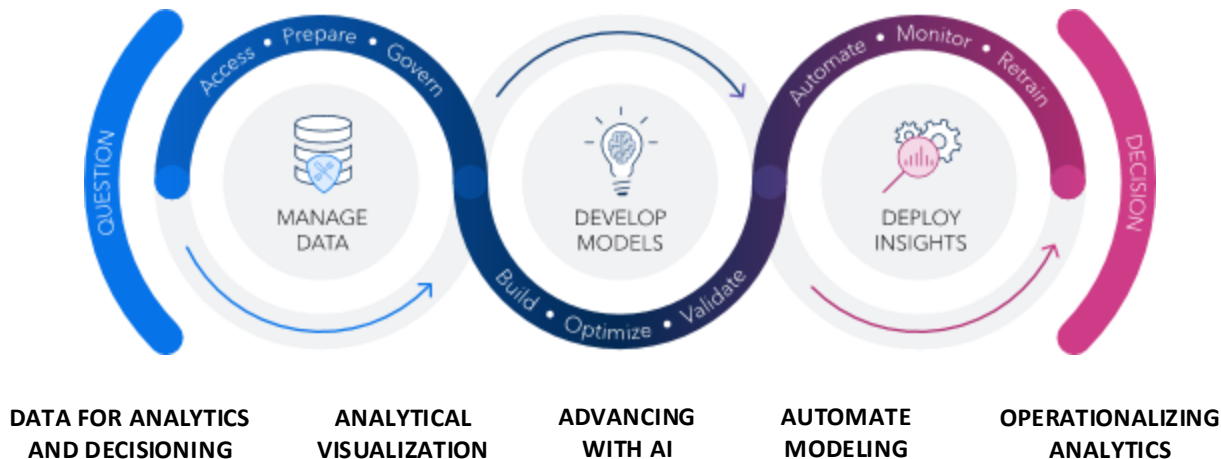
Enterprise
analytics platform

1

A developer
canvas platform

2

Enterprise Analytics Platform



Accelerate data storytelling and increase speed to value.

Thread automation and intelligence throughout the data & AI lifecycle.

Deliver fast, self-service power to every user, and deliver embedded smart insights.

A developer canvas for building analytical & machine learning models



- Self-service and flexible
- On-demand CPU/GPU compute power
- Integrate with your favorite IDE, including Visual Studio Code and Jupyter Notebook
- Develop in SAS or Python or R (future)
- High performance analytics using the latest SAS procedures and APIs



SAS Viya Workbench

Streamlines modeling & analytics. Get to results & production faster.

On-demand CPU/GPU for scalability, processing power, & efficiency.

On/Off
Self
Terminating.

SAS and Python through your choice of IDE - Visual Studio Code or Jupyter Lab/Notebook.

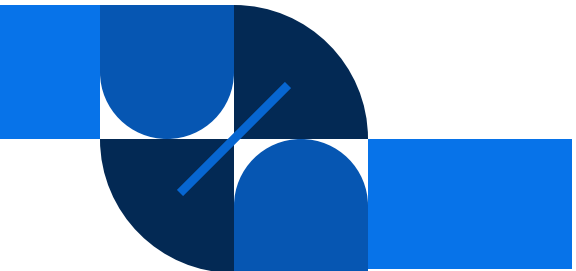
Powerful SAS PROCs and Python APIs. Fastest running model performance.

Stand-alone & self-provisioned, without the need for database connections or CAS and with minimal IT support.

GitHub for collaboration, version control, backup, & other ModelOps needs.



See it in action - mini-demo video

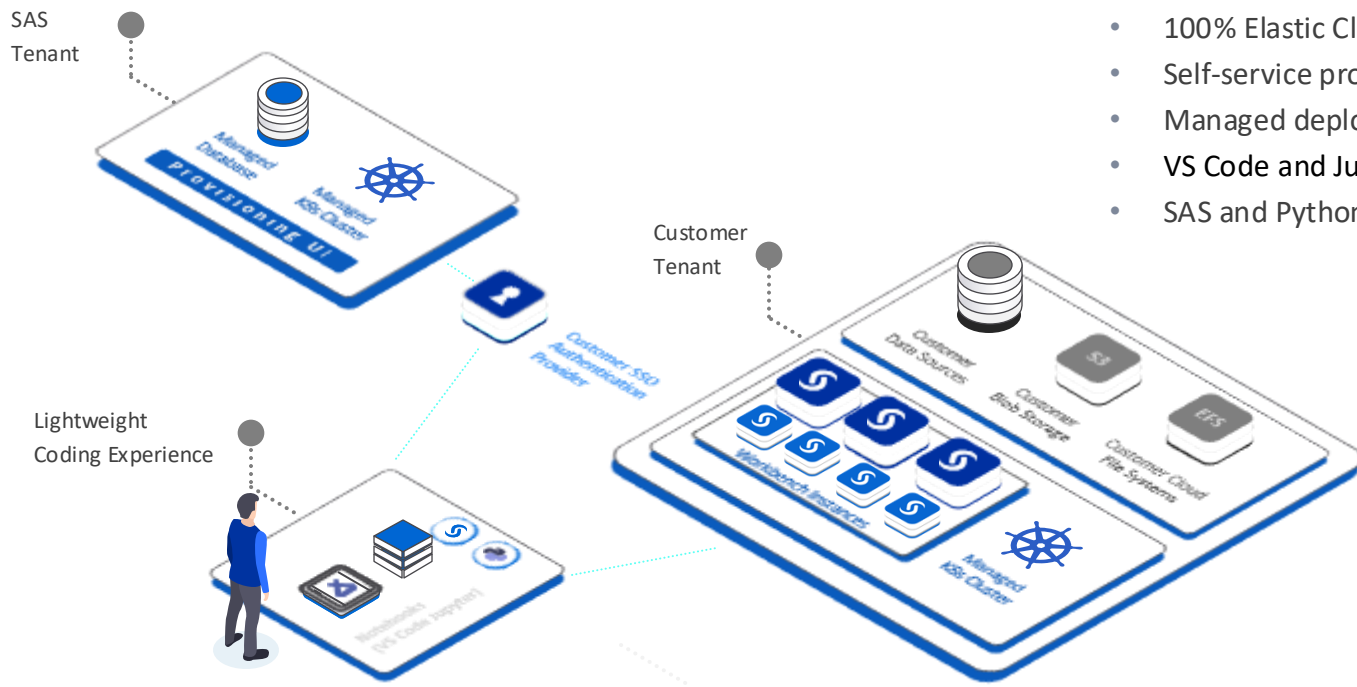
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SAS® Viya® Workbench

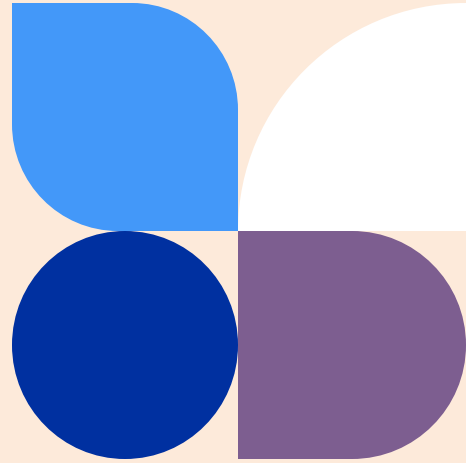


SAS Viya Workbench Architecture

High-Level Features & Components



- 100% Elastic Cloud Compute built on AWS EKS
- Self-service provisioning and termination
- Managed deployment, update and backup
- VS Code and Jupyter Notebook interfaces
- SAS and Python compute runtimes



Benefits of SAS Viya Workbench for Programmers, Data Scientists and Developers

■ Easily Deployed Data Science Workspace

A canvas to conduct exploratory data analysis and develop analytical and machine learning models

■ Latest analytical procedures and APIs

Access the latest SAS PROCs and APIs with the ability to update and backup projects including GIT version control

■ Choice of coding languages

Use SAS, Python or R through Visual Studio Code or Jupyter Notebook

■ Team Collaboration

Share models, analytics projects and experiments

■ Flexible and Scalable

Scalable computing with on-demand server size to match workload requirements – all with fast run times

Thank you!



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The Global Healthcare
Data Science Community