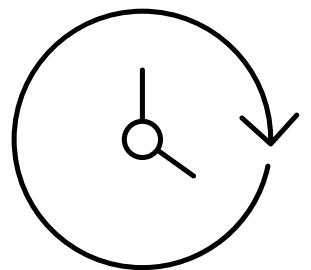


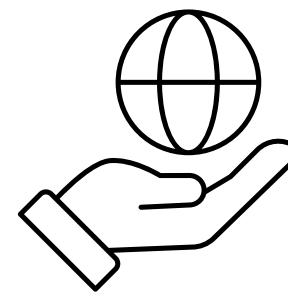
# SAS Roadmap – Plattform Netzwerktreffen 30.10.2025

Heino Rust, SAS Advisory Customer Success Manager  
30.10.2025

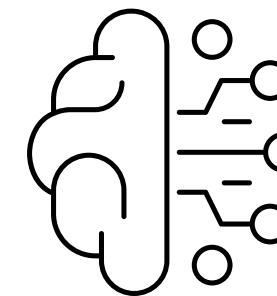




Support aktueller SAS Releases



Neu in SAS Releases



Ausblick

# Support aktueller SAS 9.4 Releases

Maintenance Release	Supporttyp	Anmerkungen
SAS 9.4 <= M7	Limited Support	SAS 9.4 M7 Limited Support seit 1. September 2025
SAS 9.4 M8	Standard Support	Bis 1. Februar 2028
SAS 9.4 M9	Standard Support	Bis 1. Juli 2030

SAS wird weitere M9 Release Updates mit SAS Lösungen auf Basis von SAS 9.4 M9 ausliefern.

Es wird nach SAS 9.4 M9 ein weiteres Maintenance Release (M10) geben.

Die Seite [Support Terms and Comparisons | SAS Support](#) enthält die Definitionen von Limited Support und Standard Support.

DISCLAIMER: The release date and all information in this presentation are subject to change until all SAS 9.4 M9 solutions and platforms and SAS 9.4 M10 are released.

# SAS 9.4M9 unterstützte Betriebssysteme

Update: Jetzt auch Support für RHEL10 / Oracle Linux 10

Linux	IBM MVS	Windows	IBM AIX	Solaris SPARC and X86
Red Hat <ul style="list-style-type: none"><li>• RHEL 8.10+</li><li>• RHEL 9.1+</li><li>• <b>RHEL 10.0+</b></li></ul>	<ul style="list-style-type: none"><li>• z/OS V2R6</li><li>• z/OS V3R1 or Later</li></ul>	<ul style="list-style-type: none"><li>• Windows Server 2016</li><li>• Windows Server 2019</li><li>• Windows Server 2022</li><li>• <b>Windows Server 2025</b></li></ul>	AIX 7.2 with TL5 or later	
Oracle <ul style="list-style-type: none"><li>• Oracle Linux 8.10+</li><li>• Oracle Linux 9.1+</li><li>• <b>Oracle Linux 10.0+</b></li></ul>		<p>Clients</p> <ul style="list-style-type: none"><li>• Windows 10</li><li>• Windows 11</li></ul>		
SUSE Linux Enterprise Server 15 and later within SUSE 15				
*Kein Support für Red Hat und Oracle Linux 7		*Kein Support für Windows Server 2012 und 2012R2	Kein Support für AIX 7.1	*Kein Support für Solaris SPARC und X86. Java 21 ist nicht verfügbar für Solaris.

# SAS 9.4 M9 auf z/OS und Support für Java 21

## Auslieferung in KW 38

- With SAS 9.4M9, the z/OS platform uses IBM Java 21.0.4 or later (64-bit). To support this Java change you must apply the following hotfixes, as is the default SAS deployment behavior, when installing or upgrading to SAS 9.4M9.
  - P6Z001 for Threaded Kernel Java 9.4\_M9
  - P7N001 for Base SAS JAR Files for z/OS 9.4  
P7P001 for SAS Integration Technologies JAR Files for z/OS 9.4
- Currently the SAS 9.4 platform and products on z/OS, including the initial release of SAS 9.4M9, require a 31-bit version of Java and use IBM Java 8 31-bit.

# Security – SAS 9.4 M9 und SAS Viya 2025.04 ff.

Aus Security Gründen nicht mehr unterstützte Prozeduren:

- ADDR
- ADDRLONG
- MODULE
  - Kann ersetzt werden durch Proc Proto / Proc FCMP
- PEEK
- PEEKC
- PEEKLONG
- PEEKLONG
- POKE
- POKELONG
- Diese Prozeduren waren in vorhergehenden SAS 9.4 Releases bei Einsatz der **LOCKDOWN** Option bereits nicht mehr ausführbar.

# Verschlüsselung der Verbindungen – SAS Server

- Mit Ausnahme von SSL werden alle anderen bisher verfügbaren Verschlüsselungsmethoden nach Q2/2026 für alle SAS 9.4 Releases deprecated - [SAS Support - Deprecation of the NETENCRYPTALGORITHM \(NETENCRALG\) system option values AES, DES, RC2, RC4, and TripleDES](#)
  - Keine weiteren Fixes
  - Limited Support
- Wir empfehlen daher dringend im Backend auf SSL umzustellen
  - Vor oder nach der Installation von M9 oder
  - Während der Installation (höhere Komplexität während der Migration)
- Übergangsweise können zwei Verschlüsselungsalgorithmen gemeinsam genutzt werden
  - The NETENCRYPTALGORITHM parameter allows for multiple algorithms to be used. So, you can use TLS/SSL concurrently with existing algorithms during any transition period.
  - Here is an example: -netcryptalgorithm '(AES SSL)'

# Neue Authentifizierungsmethoden in SAS 9.4

- Es gibt die Möglichkeit, mit Hilfe von Shibboleth SAML zu verwenden. Hierzu gibt es Paper auf support.sas.com. Diese Funktionalität ist nicht Bestandteil von SAS 9.4.
- Es gibt keine Unterstützung für OpenID/OIDC
- Multi-factor Authentifizierung für Web Clients wird ab SAS 9.4 für Google Authenticator und Simple CAS unterstützt. Für andere MFA Methoden können individuelle Lösungen implementiert werden.
- Multi-factor Authentifizierung für SAS Tier und SAS Clients befindet sich in der Entwicklung; es gibt hier für noch keinen geplanten Liefertermin.

# SAS Lösungen unter SAS 9.4 M9 - Auswahl

Einige SAS Industry Solutions sind bereits verfügbar. Weitere werden folgen mit den nächsten SAS 9.4 M9 Releases.

Customer Intelligence Solutions are being delivered in SAS 9.4M9 due to popular demand (not available in SAS 9.4 M8) (verfügbar seit KW 38)

- Campaign Management Server
- Marketing Automation Server
- Marketing Optimization Server
- Real-Time Decision Manager

Decisioning – verfügbar seit KW 25

- Business Rules Manager
- Decision Manager
- Model Manager
- Workflow Administrator und Workflow Studio

# Support aktueller SAS Viya 3.5 Releases

Maintenance Release	Supporttyp	Anmerkungen
SAS Viya 3.4 /3.5	Limited Support	SAS 9.4 M7 Limited Support seit 1. Februar 2025
SAS Viya 3.5 on Linux 24w44 Update	Standard Support	Bis 1.October 2027

Es wird voraussichtlich kein weiteres Maintenance Release geben.

Die Seite [Support Terms and Comparisons | SAS Support](#) enthält die Definitionen von Limited Support und Standard Support.

DISCLAIMER: The release date and all information in this presentation are subject to change.

# SAS Viya 3 Content Assessment

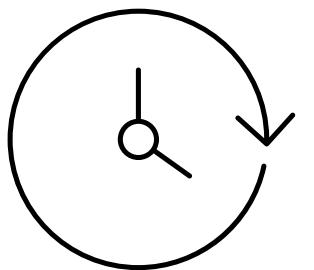
- Inventory uses an Ansible playbook to scan content on your deployment. This assessment counts the various SAS objects and content on your system.
  - CAS server, File system, Console, Postgres, Services, Infrastructure, Resource usage
- System Evaluation provides detailed information and characteristics about your content and your system. It helps you plan for migration to SAS Viya 4 by providing information about system status, installed software, and migration status.
- Es werden Reports erzeugt, die über den SAS Environment Manager abgerufen werden können.
- SAS Dokumentation:
  - [SAS Help Center: SAS Viya 3 Content Assessment](#)
  - Migration:  
[https://documentation.sas.com/doc/en/sasadmincdc/v\\_069/calmigration3x/n06wplu5iqmgz6n1mnpklw71eyvw.htm](https://documentation.sas.com/doc/en/sasadmincdc/v_069/calmigration3x/n06wplu5iqmgz6n1mnpklw71eyvw.htm)

# Support aktueller SAS Viya on Kubernetes Releases

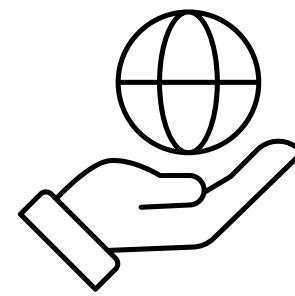
Maintenance Release	Supporttyp	Anmerkungen
SAS Viya LTS	Standard Support	Supportet für zwei Jahre. Kein Überspringen von LTS Releases für Standard Support. Aktuelles Release ist 2025.03 LTS, nächstes Release ist 2025.11 LTS
SAS Viya Stable Releases	Standard Support	Supportet für vier Monate. Überspringen von bis zu 3 Releases möglich. Aktuelles Release ist 2025.10

Die Seite [Support Terms and Comparisons | SAS Support](#) enthält die Definitionen von Limited Support und Standard Support.

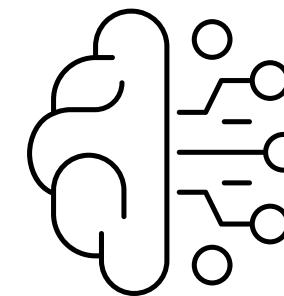
DISCLAIMER: The release date and all information in this presentation are subject to change



Support aktueller SAS Releases



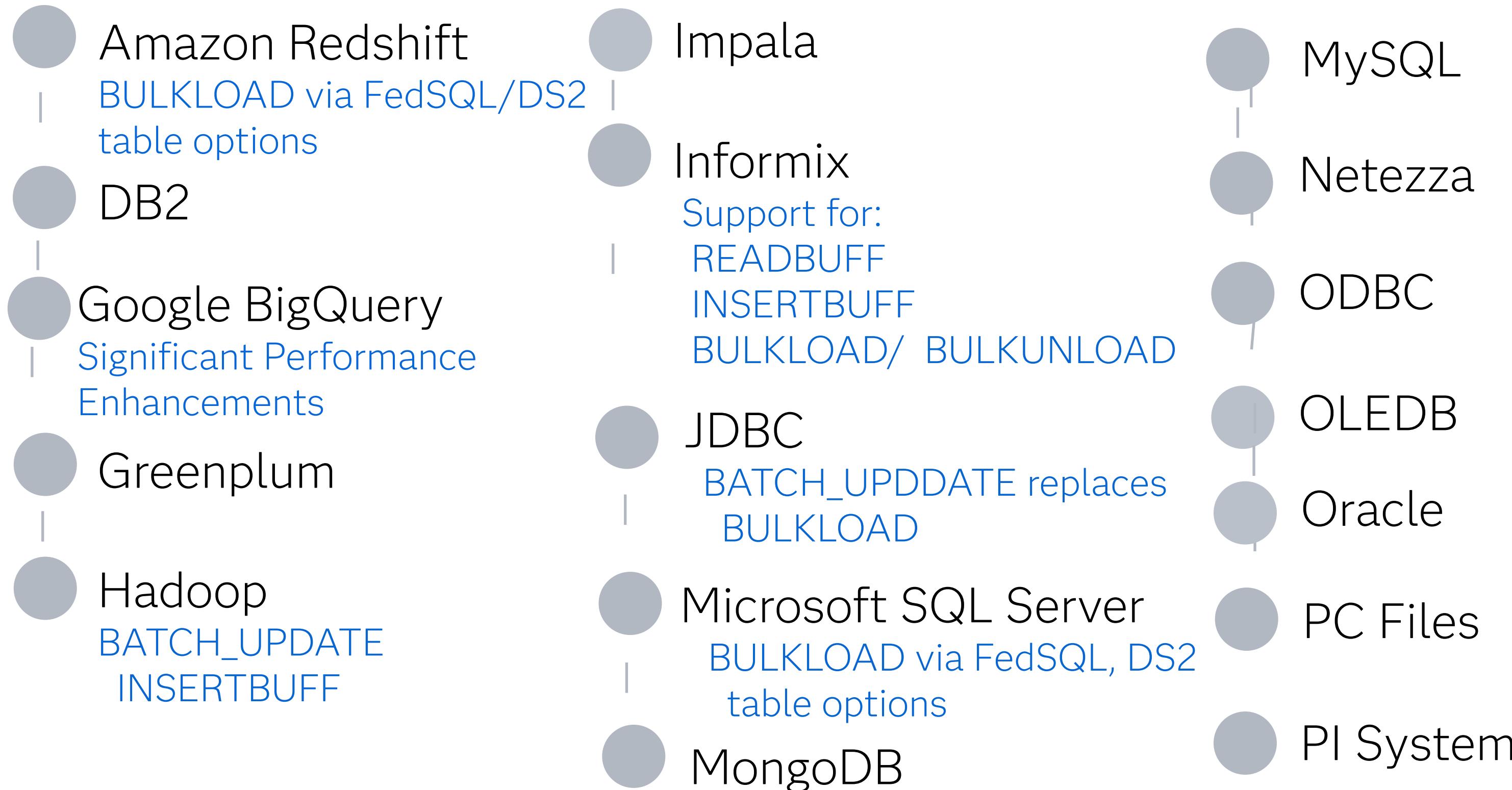
Neu in SAS Releases



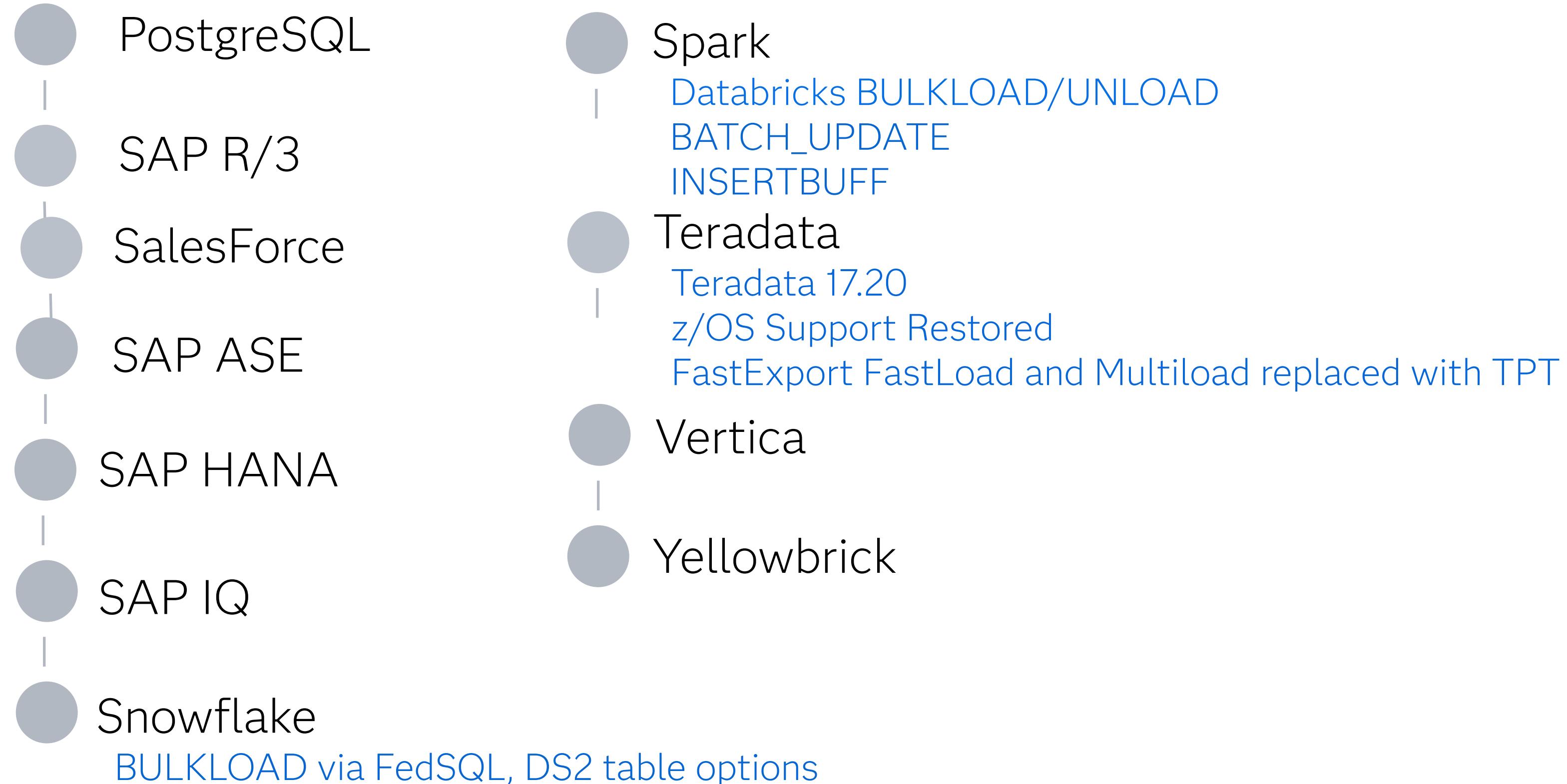
Ausblick

# SAS/Access Highlights for SAS 9.4 M9

See: SAS/ACCESS® 9.4 for Relational Databases and SAS/ACCESS® 9.4 for Nonrelational Databases



# SAS/Access Highlights for SAS 9.4 M9



# What is SAS Access to DuckDB?

SAS/ACCESS to DuckDB is a new capability that allows SAS users to connect directly to the DuckDB database engine using familiar SAS tools like *PROC SQL*, *libname*, and *data step*.



**DuckDB**

DuckDB is a fast, in-process analytical database designed for OLAP-style workloads. Unlike traditional databases that require a client-server setup, DuckDB runs embedded within your application—like SQLite, but optimized for analytics.



Verify system and environment [requirements](#)

## This integration enables SAS users to:

- 1 Query open file formats (like Parquet, JSON, CSV) directly using DuckDB's SQL engine.
- 2 Leverage DuckDB's performance for local or cloud-based data without needing a full database server.

# Why It's Important



## Performance & Cost Efficiency

DuckDB is optimized for analytical workloads and can process large datasets quickly in memory. This reduces the need for expensive infrastructure and improves query performance



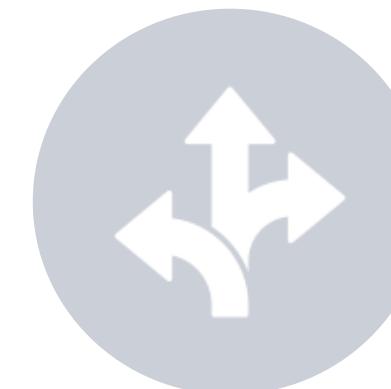
## Open File Format Compatibility

DuckDB supports reading from Parquet, JSON, CSV, and even Iceberg and Delta Lake (read-only), making it ideal for modern data lake architectures



## SAS Integration

With the new libname engine and PROC SQL support, SAS users can treat DuckDB like any other DBMS, enabling seamless workflows and reducing the learning curve



## Flexibility

DuckDB can be used in-memory or with persistent storage, and it supports cloud object stores like S3 and Azure Blob via secret-based authentication



## Future-Proofing

As data ecosystems evolve toward open, portable, and cloud-native formats, DuckDB positions SAS to remain competitive and interoperable

# New in SAS Studio 2025.09

## SAS Studio Documentation 2025.09

- Column-level lineage capabilities for data pipelines (aka flows) as well as powerful Impact Analysis UI that allows to quickly understand downstream impact and upstream origin of a particular table or column. It's right at hand, in the next tab with flows and other assets, see a picture attached.
- Extend flows capabilities by adding **flow status handling** feature which in this first release will allow to send status of flow execution into a table – very useful for monitoring purposes.
- Custom steps framework gets an enhancement – custom step author can add a visual expression builder to input table control, so a user can build a filter condition with point-and-click designer.
- Undo/Redo in Flows is available again.
- Next Run time field is added into Scheduled jobs view
- It's possible to add a snippet into a flow as SAS Program

# Visual Studio Code Extension for SAS

- Highly customizable
- IntelliSense code completion
- Syntax highlighting
- SAS Notebooks
- Connect to any SAS environment (SAS 9 and SAS Viya)

The screenshot displays the Visual Studio Code interface with two main panes. The left pane shows an SAS code editor with syntax highlighting for SAS statements like `data`, `do`, and `if`. A tooltip for the `ROUND` function is open, providing its definition: "Rounds the first argument to the nearest multiple of the second argument, or to the nearest integer when the second argument is omitted." The right pane shows a SAS Notebook interface with Markdown support. It includes a code cell with a proc sgrender statement, an output cell displaying a 3D surface plot titled "SAS Cowboy Hat in a SAS Notebook!", and a SQL query cell showing a table of car data from the Sashelp.Cars dataset.

File Edit Selection View Go Run ...

SAS log colour coding test.sas

```
1 /* SAS log colors now also for Local 9.4 and IOM connections */
2 data test1;
3   do number=1 to 10;
4     number_squared=number*number;
5     number_roman=put(number,roman.);
6     number_squared_roman=put(number_squared,roman.);
7     output; y=round
8   end;
9 run;
10
11 data test2_error;
12   | x=doesnotexist(5);
13 run;
14
```

WORK.TEST1

Number Number\_squared Number\_roman Number\_squared\_roman

Number	Number_squared	Number_roman	Number_squared_roman
1	1	I	I
2	4	II	IV
3	9	III	IX
4	16	IV	XIV
5	25	V	XV
6	36	VI	XVI

Keyword: ROUND

Syntax: ROUND(argument <, rounding-unit>)

Rounds the first argument to the nearest multiple of the second argument, or to the nearest integer when the second argument is omitted.

File Edit Selection View Go Run Terminal Help

SAS notebook - SAS Cowboy Hat.sasnb

SAS Notebook with Markdown support

- Using proc sgrender

```
/* And... Render the Hat! */
proc sgrender data=hat template=SurfaceTmpl;
| dynamic _X='X' _Y='Y' _Z='Z' _Title="SAS Cowboy Hat in a SAS Notebook!";
run;
```

6.9s

SAS Cowboy Hat in a SAS Notebook!

select \* from sashelp.cars (obs=10)

Make	Model	Type	Origin	DriveTrain	MSRP	Invoice	Engine Size (L)	Cylinders	Horsepower	MPG (City)	MPG (Highway)	Weight (LBS)	Wheelbase (IN)	Length (IN)
Acura	MDX	SUV	Asia	All	\$36,945	\$33,337	3.5	6	265	17	23	4451	106	189
Acura	RSX Type S 2dr	Sedan	Asia	Front	\$23,820	\$21,761	2	4	200	24	31	2778	101	172
Acura	TSX 4dr	Sedan	Asia	Front	\$26,990	\$24,647	2.4	4	200	22	29	3230	105	183

File Edit Selection View Go Run ...

SAS Viya 4 - th.seagull (snlwh - normal user)

# SAS Code mit GenAI generieren

[SAS Viya Copilot - Visual Studio Marketplace](#) und [SAS Extension for Visual Studio Code | SAS Developer Portal](#)

- The SAS Viya Copilot extension for Visual Studio Code is a tool that enhances your productivity as you program in SAS.
- SAS Viya Copilot uses Generative Artificial Intelligence (GenAI) to add comments to SAS code, write an explanation for existing SAS code, and generate SAS code based on instructions in comments in a SAS program.
- We are presently running a Private Preview program to use SAS Viya Copilot.
- **Prerequisites**
  - VSCode version  $\geq$  1.89
  - [official SAS Extension](#) version  $\geq$  1.14.0
  - a SAS Viya 4 deployment (2025.05 or later) for Copilot access keys - SAS Viya, SAS Viya Advanced, SAS Viya Enterprise, SAS Viya Programming

# Compute Tasks in SAS Viya – SAS Viya 2025.09

New Execution Path for Short Duration Jobs (ex: SAS 9 Stored Processes) in Viya Using Compute Tasks

- Compute Tasks API is designed to be a lightweight alternative to Job Execution Service. When using Compute Tasks, you can submit a program and receive its output in a single HTTP request. This reduces the unnecessary performance impact created when using Job Execution Service.
  - Executing a job using Compute Tasks API prioritizes speed over resilience hence this is suited for any job that executes in a very short duration, often within a couple of seconds, and can be canceled or re-submitted when needed.
- For more information, see [Compute Tasks Concepts](#) and [Work with Compute Tasks](#) in SAS Viya Platform: Programming Run-Time Servers.
- SAS Job Execution integration with Compute Tasks
- For instructions to edit the existing job definition so that it is executed using Compute Tasks instead of Job Execution Service, see [Executing a Job as a Compute Task](#) in SAS Job Execution Web Application: User's Guide.
- Caveat: Timeout is set to 30 seconds!

# SAS Viya 2025.10 - Auswahl aus den Release Notes

- Access to MS SQL Server: Support für Authentifizierung mit Client Secrets
  - Ermöglicht Bulkloading in ADLS Gen2
- Initialer Support für Multi-Zone Deployment
  - AWS und Azure – mit Einschränkungen - siehe Dokumentation
- Wechsel auf UBI 9 Images für Container
  - Kein Support mehr für Kubernetes Cluster auf Basis von RHEL 7.9
- Command Allowlist in SAS Launcher
  - SAS Launcher erzwingt eine secure-by-default policy. Wenn die SAS Launcher's command allowListe leer ist, werden keine Betriebssystembefehle ausgeführt.
- Crunchy Postgres Fehlermeldung
  - Es wird eine Fehlermeldung ausgegeben bezüglich data collation, die ignoriert werden kann.

# Aktuelle Neuerungen in SAS Viya

SAS Viya Release Notes: Kategorien und Dokumenttypen auswählen

SAS® Viya Release Notes

New Features, Updates and Critical Fixes  
Find the latest features and fixes for SAS Viya products and solutions for a release or across multiple releases.

Select Offerings, Versions, and Types

**Offerings**  
Select one or more items.

General Category:

- Programming
- Deployment
- Administration

Products and Solutions:

- Risk Modeling Add-on for SAS Visual Machine Learning
- SAS AI-Driven Entity Resolution Foundation
- SAS Alert Triage
- SAS Allowance for Credit Loss
- SAS Analytics for IoT
- SAS Analytics Pro

**Versions**  
Select a cadence and version.

Cadence:

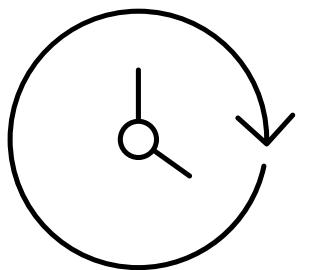
- Long-Term Support
- Long-Term Support (range)
- Stable
- Stable (range)

Version:

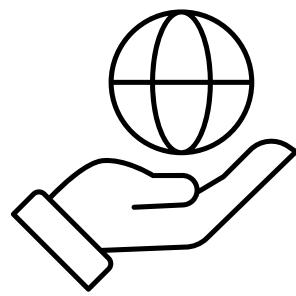
- 2025.09
- 2025.08
- 2025.07
- 2025.06

**Type**  
Select one or more items.

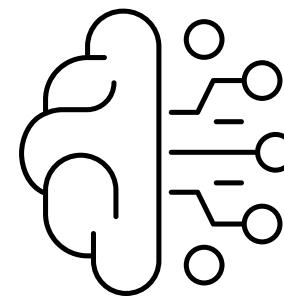
- What's New
- Critical Changes and Deprecated Features
- Deployment Notes



Support aktueller SAS Releases



Neu in SAS Releases



Ausblick

# SAS Analytics Pro on SAS Viya

- SAS Studio 5.2 will remain supported until 2026.02, which will be the last stable release including Studio 5.2.
  - 2025.09 remains the LTS candidate, offering standard support until October 2027, under specific conditions
- Introduction of Code.Server (VSCode Web)
- To ensure continuity and modernization:
- Code.Server (VSCode Web) will be introduced in 2025.12 as an experimental feature within SAS APro on SAS Viya.
- It is planned to transition to full production status in 2026.03, replacing SAS Studio as the default development environment
- Remote Client Access Enhancements
  - Since 2025.06, we have already lifted restrictions on remote SAS APro on SAS Viya access for SAS Enterprise Guide and VS Code Desktop clients.
  - This will align SAS APro with the connectivity model used in SAS Viya and Viya Workbench

# SAS Viya Platform

Q4 2025

- Stored Process Performance– Control Session Support to reduce session initialization time in Reusable Compute Servers
- Secure Compute
  - Protecting compute data libraries predefined in dataSources service
  - Protecting user-based paths in a single user Compute server
- Extended Data Types– BIGINT support within CAS Actions for SAS Visual Analytics Reporting use cases
- BIGINT support in SPRE
- CAS Optional– Deployment configurations to allow Viya Programming Only customers to deploy SAS Viya Infrastructure without CAS Server

# SAS Enterprise Guide

## 2025.09 and later

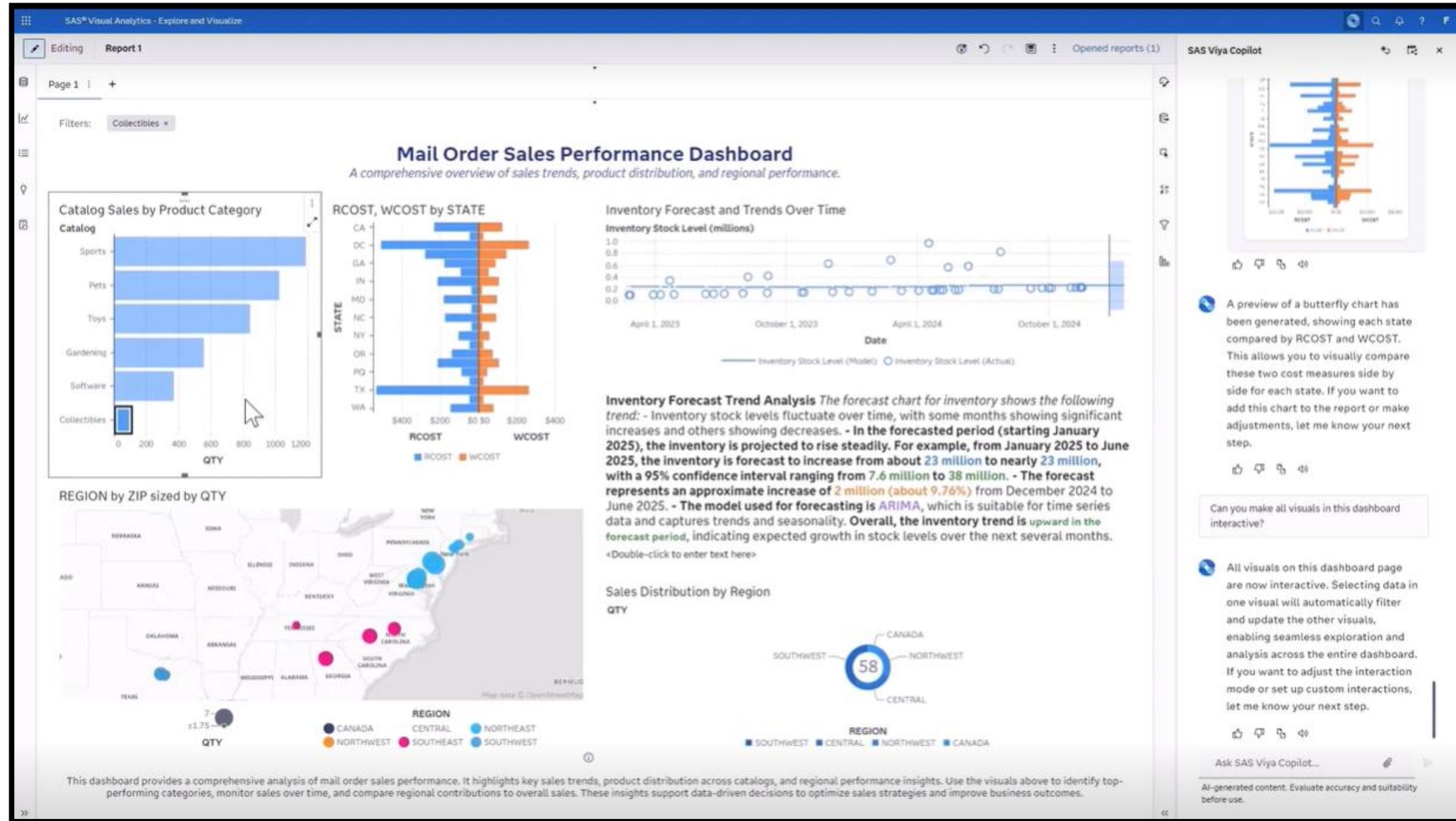
- 2025.09
- EG 8.6 HF1 (KW38)
- EV Import and importEGProjects CLI
- Support mapping file paths for
  - - File nodes (used by Import Data)
  - - Program nodes
  - - hard-coded paths in SAScode
  - - Program nodes
  - - for linked SAS code files
- Enterprise Guide 8.7 (not before Q1/2026)
- SAS Viya 4 integration
  - Encoding support for using .sas files stored on SAS server
- SAS Viya 4 migration
  - Capture column metadata in EG Project to avoid having to manually run migrated Studio Flow first time usage
  - Export snippets for consumption in SAS Studio

# SAS Studio

Q4/2025 / Q1/2026

- Analyst step – Compare Data
- Data Step Debugger
- Exclude a step from run
- Parameters, Prompts
- Search in SAS Server and SAS Content panes
- Enhanced File & Folder selector
- Code Copilot and Viya Copilot Chatbot pane (TBD)

# SAS Viya Copilot (Coming Soon!)



## Prep & Analyze Data

Use Copilot to automatically clean, join, and explore your datasets. Get guided recommendations on transformations, missing values, and key trends before moving to modeling.

## Generate ETL

Create repeatable data pipelines in natural language. Copilot translates your intent into code, builds the flow, and lets you schedule or modify it instantly.

## Generate Dashboard

Ask Copilot to design dashboards from scratch. Just describe the KPIs and visuals you need, and it will generate interactive reports ready to share.

# Agentic AI Accelerator

Building Agents leveraging SAS Viya technology

- Community Blog:
  - [SAS Agentic AI Accelerator – Register and Publish Models](#)
- GitHub
  - [GitHub - sassoftware/sas-agentic-ai-accelerator: The SAS Agentic AI Accelerator provides a way of building AI agents leveraging SAS Viya technology.](#)

# Vielen Dank!

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