28. SAS Plattform Netzwerktreffen

06. Oktober 2022

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Roadmap Newsticker

Agenda

- Standard Support für die bestehenden SAS Plattformen
- SAS 9.4 M8
- SAS Viya on Kubernetes
- SAS IPO 2024

Standard Support für SAS Plattformen

- Standard Support
  - Hot Fixes und Security Fixes, Einarbeiten von Fixes in neue Versionen
- Limited Support
  - for products that are not updated; lasts until the product is retired, and it includes fixes where they are already available as well as access to the product documentation and self-help resources.

  Siehe auch: [Support Services and Policies | SAS Support](#)

  Standard Support je Plattform

  - SAS 9.4 M7: Bis September 2025
  - SAS 9.4 M8: tbd. (Bei Erscheinen des Releases vorauss. Ende Nov. 2022)
  - SAS Viya 3.x: bis Ende 2024
  - SAS Viya on Kubernetes: 4 Monate für stable Releases; 2 Jahre für LTS Releases ab Erscheinungsdatum

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SAS 9.4 M8

Vorauss. November 2022

Nicht ein gewöhliches SAS Maintenance Release!

- Changes im OS Support
- Austausch von Komponenten im Mid-Tier
- Sehr hohe Anzahl von Upgrades von Third Party Komponenten
- Upgrade der Java Major Version

SAS 9.4 M8 Road Map – Operating Environments

Removing Support

Windows 2008, 2008R2, 7

Suse Linux Enterprise Server 11

Red Hat Enterprise Linux 6

HP-UX 11i (H6i)

Oracle Solaris 10

AIX 7.1

z/OS V1

New Support

z/OS v2

SUSE Linux Enterprise Server 15

AIX 7.2

Windows 2022, 11

Continued Support

Red Hat Enterprise Linux 7*, 8

Windows 2012*, 2012R2*, 2016, 2019, 10

Oracle Solaris x64 11.4

Oracle Solaris RISC 11.4

SUSE Linux Enterprise Server 12*

Web Browser Support

Google Chrome 67.0 and later

Mozilla Firefox 60.0 and later

Microsoft Edge on Chromium 79.0 and later

*:Achtung: Supportlaufzeit!

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SAS 9.4 M8

Technische Änderungen - Security

The 9.4M8 Private JRE will be JRE 11 (except z/OS: still Java 8)

• Spring upgraded from version 3 to version 5

• Log4j Version 1 upgraded to Version 2

• Gemfire replaced with Geode

• SAS Logon Manager (Compute Authorization Services) updates for Spring 5 and Java 11

• OpenSSL will no longer be delivered with SAS Foundation, rather SAS will use the Operating System SSL libraries available in the customer's environment.

   • On z/OS, the IBM SSL libraries will be used.

   • The SAS Web Server and Postgres will continue to be compiled with OpenSSL

   • OpenSSL 1.0.2 support will be upgraded to OpenSSL 3 (OpenSSL 3 received FIPS certification on August 24, 2022)

• SAS support for TLS 1.3 will be added

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SAS 9.4 M8

Weitere Änderungen (Auswahl)

- Hundreds of third-party jars upgraded

- At last count, some 505 third party bundles (TPB) have been modernized (changed, added, or removed)

- The platform default versions of some 190 TPB have been changed or added

- tcServer replaced with Tomcat (for those using Tomcat released with M7, Tomcat upgraded to version 9)

- ActiveMQ upgraded • Slide_webdav replaced with Jackrabbit webdav

- Postgres upgraded to 14.2 (or later) as well as Postgres ODBC and JDBC drivers

- SAS Web Server upgrade

SAS 9.4 M8

Platform LSF upgrades

SAS Platform Suite for SAS will be upgraded to Version 13.1 and will include

- IBM Spectrum LSF 10.1.0.12

- IBM Spectrum Process Manager 10.1.0.12

SAS Grid Manager for Platform will include

- IBM Spectrum Platform Web Services 10.1.0.1

Linux Support for Job Flow Scheduler High Availability Added

Roadmap SAS 9.4

Überblick – Stand 06.10.2022

Kriterien	SAS 9.4 M5 / M6	SAS 9.4 M7 / 22w08	SAS 9.4 M8
Standard Support	Bis Ende 2024	Bis Mitte 2025	Tbd.
Releasedatum		Ende Februar 2022	geplant: November 2022
Java Version	Java 7	Java 8 / akt. Mid-Tier	Java 11 / akt. Mid-Tier
Log4j v2.17 +	Nur für M6: Quarterly Security Fix	Enthalten	Enthalten
Log4j v1			Ersetzt durch log4j v2
Funktionsumfang	Bisheriger Funktionsumfang	Einige Komponenten nicht mehr enthalten	Einige Komponenten nicht mehr enthalten (s. vorheriges Slide)

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In SAS 9.4 M8 nicht mehr enthalten

Plattformkomponenten

- Graph Applet
- SAS ODS Graphics Designer und SAS ODS Graphics Editor
- ID Portal and BI Portlets
- AppDev Studio
- Risk Dimensions Java Client
- SAS/SESSION for CICS
- df Federation Server Authentication components
- SAS Access: MYSQL for AIX, Oracle for MVS; Teradata for MVS, Adabas, Aster, HAWQ
- Scoring Accelerator: Aster
- SAS Dokumentation für Komponenten, die nicht mehr enthalten sind.

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SAS Lösungen auf Basis von SAS 9.4 M7

- Nicht alle unter SAS 9.4 M7 verfügbaren Lösungen werden auf SAS 9.4 M8 portiert.
  - Vorranging Portierung auf SAS Viya 4
- Bitte mit den SAS Account Teams Kontakt aufnehmen.

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SAS Viya Roadmap

…und Releasebezeichnungen

- Neues Namensschema ab SAS Viya 2022.09 (Jahr / Monat)
- Kadenzen wie bisher
  - Stable
  - LTS

SAS® Viya® ON MICROSOFT AZURE

Overview

- Marketplace offering of SAS Viya in all three major public cloud providers, starting with Microsoft Azure
    - Pay-as-you-go subscription purchased via the Azure marketplace
    - Automated deployment into the customer's Azure tenant
    - Customer pays infrastructure costs + metered usage of SAS Viya
    - Microsoft handles the billing
- Visual Machine Learning is the offering
    - Broad set of analytic lifecycle capabilities
    - Includes Python integration out of the box + Jupyter Notebooks
    - Connections to Azure data sources, integration with Azure services
    - Targeting data scientists and business analysts plus "citizen developer" persona
    - Community support model
    - NOTE: Different from the typical enterprise deployment option

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Weitere neue Plattformen, Produkte und Komponenten

Pipeline und verfügbare Komponenten (Auswahl)

Pipeline
- Batch CAS
- SAS Jobs SDK
- SAS Teams Integration

Bereits verfügbar
- SAS Viya on Open Source Kubernetes
- Workload management
- SAS Studio Engineer
- SAS Enterprise Session Management
- Partnerschaft mit SingleStore
- SAS for Microsoft 365

SAS® Viya® WITH SINGLESTORE

Key Capabilities

- OEM technology partnership
- Cloud-Native architectures
- Optional add-on offering

Lower Total Cost

- Simplified data storage with up to 80% compression
- Built-in encryption
- Reduced data duplication

Improved Productivity

- Ultra-fast ingest of any type of data
- High Concurrency, low latency queries
- Eliminate data movement

Easy Access

- ANSI SQL Compliant
- Co-located transactional & analytical data repository

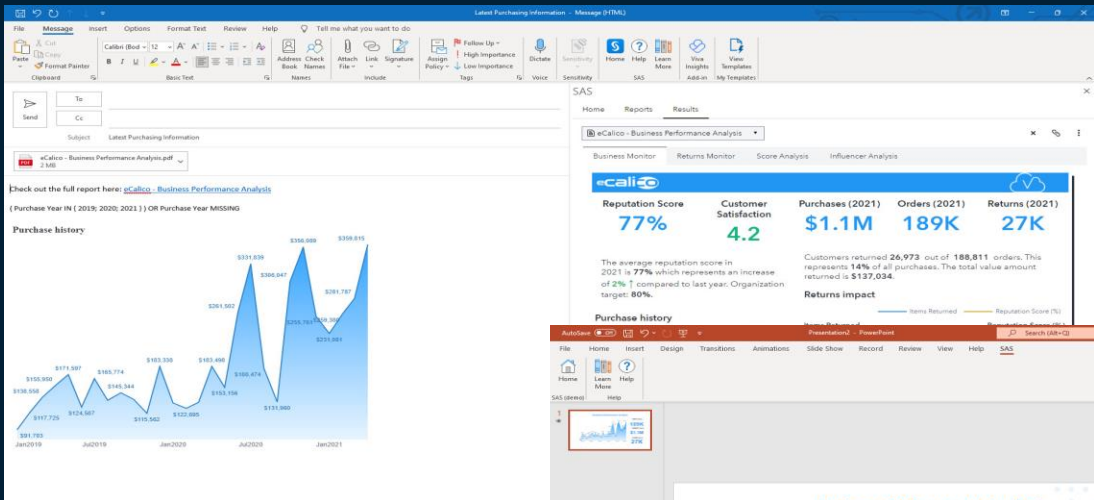### For Your Cloud Journey

- Cloud native architecture
- Public, hybrid and on-premises support
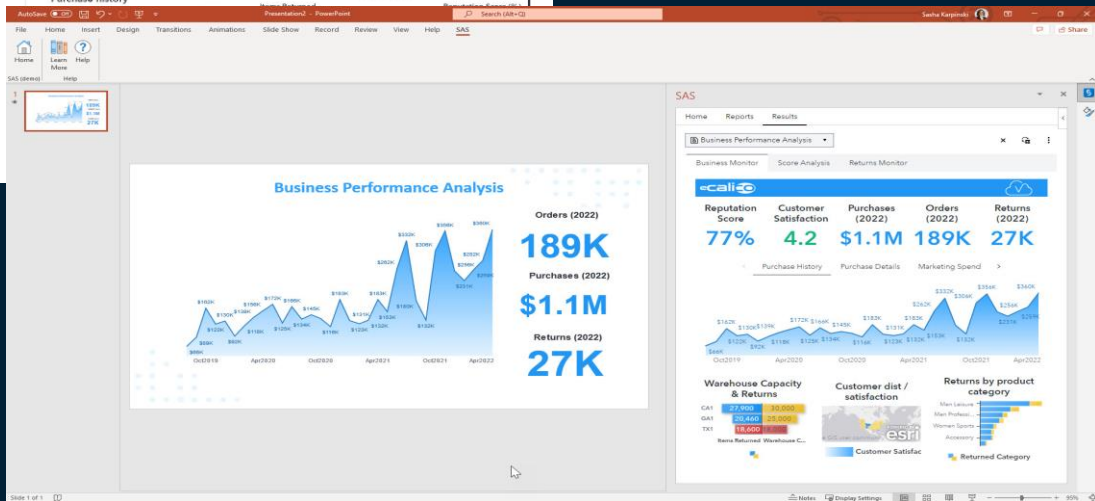- Dedicated **and/or** shared SingleStore Cluster

Outlook

Powerpoint

SAS
for Microsoft 365

SAS IPO - 2024

Preserve our heritage and market leadership into the next 50 years. Protect the investment of our customers

Sustainability – giving back to the people that have made SAS successful

Board leadership that understands our culture and is aligned to our values

Ensure innovation Profitability is now key to IPOs and we have 46+ years of profitability.

Continue to think long term and not quarter to quarter

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