What's New in SAS 9.4 M7

9.4 Timeline

Initial Release July

M1 Dec

M2 Aug

M3 July

M4 Nov

M5 Sept

M6 Nov

M7 Aug 18

| 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |

9.4

7 Years

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SAS 9.4M7

- Security Enhancements

- Operating System Support
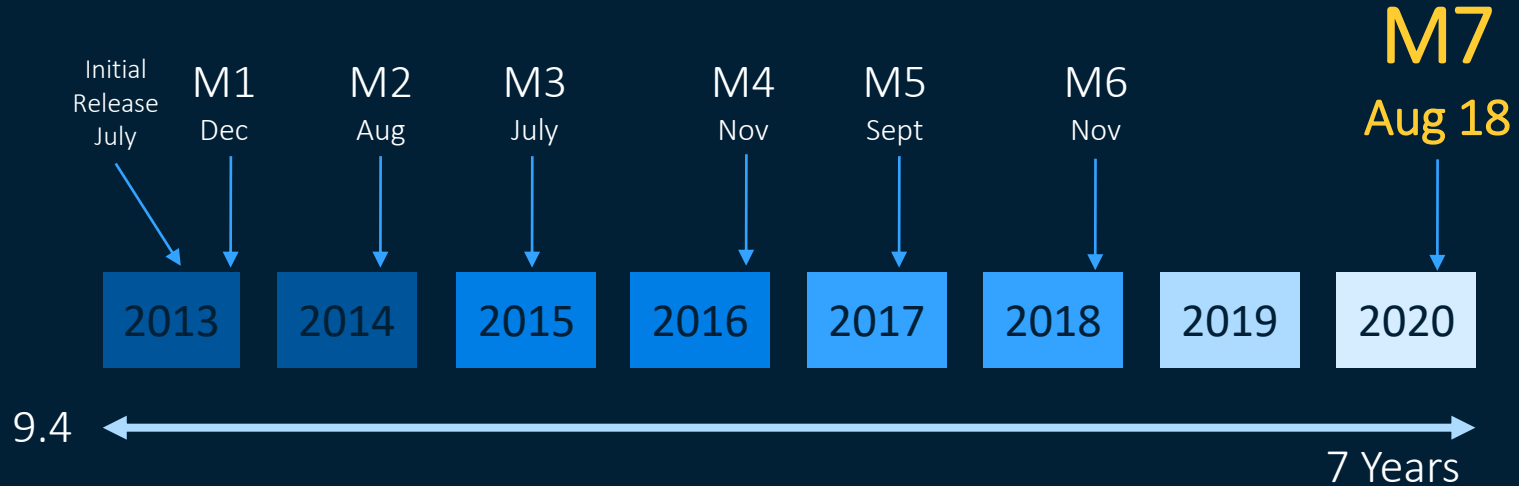
- Flash Removal

- Hot-Fix, Bug Fix and product/solution enhancements

- Upgrade in Place

SAS 9.4M7

- **Security Enhancements**

- Operating System Support

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Addressing security vulnerabilities

Fixes for vulnerabilities identified during National Institute of Standards and Technologies Common Vulnerabilities and Exposures (NIST CVE) testing as well as customer and SAS identified security issues

New support for Windows Defender Credential Guard Support

Updates to Third Party Components

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SAS Security Updates and Hot Fixes

Available from the Security Bulletins section of the SAS Support Downloads site

SAS delivers periodic updates to address third-party security vulnerabilities within the SAS product suite

Includes updates for CVE's reported against 3rd party components

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SAS 9.4M7

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Updating supported Operating Systems

Red Hat Enterprise Linux 8

SELinux Enforcing for Red Hat Enterprise Linux 8

Oracle Linux 8

Microsoft Edge on Chromium

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SAS 9.4M7

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Adobe Flash Removal

Completion of a multi year effort to remove Adobe Flash dependencies from over 70 SAS products and solutions

SAS products and solutions with Flash dependencies have been:

- Replaced with SAS Viya offerings
- Replaced with CI360 offerings
- Updated with HTML 5 User Interfaces

A few SAS products are no longer available, and their functionality replaced with other products and solutions

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SAS 9.4M7

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Hot-Fix and Bug Fix

Incorporates over 125 enhancements and fixes released since the November 2018 9.4 M6 release

Addresses approximately 200 reported platform bugs and enhancement requests

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Product and Solution Enhancements shipping with 9.4M7

Product and Solution hotfixes, bug fixes and enhancements for ~70 SAS offerings

- SAS Analytics – 10 offerings
- Data Management and Access – 42 offerings
- Visualization – 12 offerings
- Decision Management – 4 offerings
- Risk – 2 offerings

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Product Enhancements

SAS Analytics

SAS Analytics

SAS Forecast Studio authentication using Integrated Windows Authentication (IWA) when Windows Defender Credential Guard is enabled.

Client application download and install for:
- SAS Forecast Studio
- SAS Forecast Project Manager
- SAS Time Series Studio
- SAS Enterprise Miner

Product Enhancements

SAS Data Management

SAS Data Management

Data Integration Library designers for JDBC, JSON, Spark, Snowflake, Salesforce.com, Google BigQuery, MongoDB and Yellowbrick

10 new Metadata Bridges

New SAS/ACCESS Interface for
- MongoDB
- Salesforce – + Support for Proxy
- Spark – Linux only
- Yellowbrick
- SAS In-Database Technologies for Spark – (CDH 5.x, 6.x, HDP 2.x, 3.x, MapR 5.x, 6.x, AWS EMR 5.x, CDP.7.1 (on prem)

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Product Enhancements

SAS Decision Management

SAS Decision Management

Decision Manager
- Simplified rule set editor
- Inventory category view to import, export, and manage

Model Manager
- SAS Management Console to create data libraries and register tables
- Manage Folders feature to create and manage folders within Models, Projects, and Portfolios

Business Rules Manager
- Simplified rule set editor

SAS 9.4M7

- Security Enhancements

- Operating System Support

- Flash Removal

- Hot-Fix, Bug Fix and product/solution enhancements

- Upgrade in Place

## Improving the Upgrade in Place customer experience

SAS 9.4M7 delivers the culmination of a SAS-wide initiative to identify, analyze, and correct the root causes of reported issues with the SAS Upgrade in Place process.

- Addressed high frequency Upgrade in Place root causes
- Created and included the **System Evaluation application** in the SAS Content Assessment tool download
- Improved documentation
- Improved the SAS Deployment process

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Improving the update in place customer experience

The SAS 9 Content Assessment helps organizations understand the state of their SAS 9.4 systems.

SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation
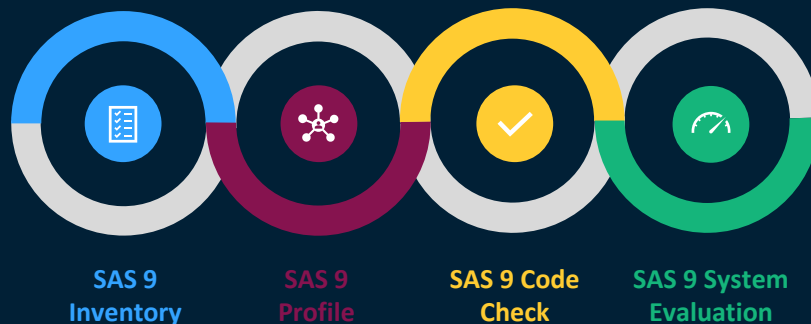
The SAS 9 System Evaluation analyzes SAS 9.4 system and configuration details to identify known deployment issues

So they can be remediated with Tech Support Deployment Specialists

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Now is the time to upgrade to M7

- Secure

- Up to date

- Stable

- Flash removed

- Easier upgrade process

- Maximize support timeline

M8 coming

- Mostly security updates

- Operating Environment Updates

- Java Technologies Upgrade

- Spring Framework Upgrade

- Postgres drivers

- Third party Technologies updates

Questions?

SAS