Are you ready for true cloud native computing? Meet SAS Viya 4

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SAS Platform & Cloud

Portfolio Themes

1

Cloud-Native – Loosely-coupled, independent, interchangeable, scalable. All with support for continuous delivery.

2

Open – Standards-based integration for authentication, other services. REST APIs for interoperability. New MVA for multi-cloud.

3

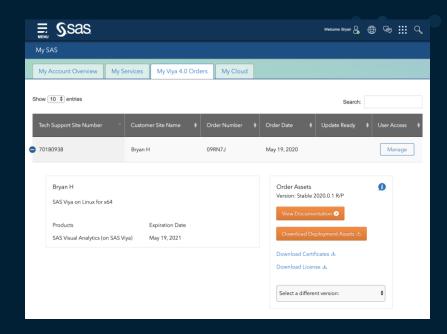
Automation – Deployments of the SAS Platform can fit into GitOps/DevOps processes. SAS compute uses AI/ML to optimize infrastructure resource usage.



- Containerization of all Viya 4 components
- Cloud Native and API-First Design



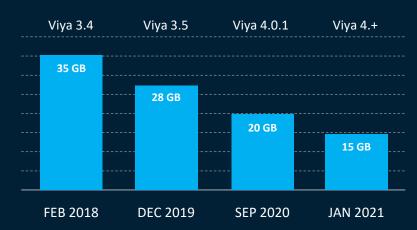
- Containerization of all Viya 4 components
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- Customer Portal for Self Service





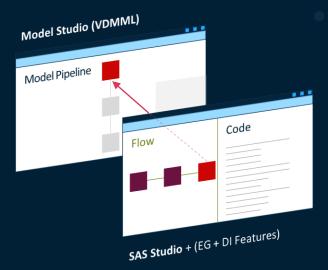
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- Footprint and startup time reduction of microservices

Aggregate Memory Footprint of Viya Microservices (no CAS SMP or MPP memory included)



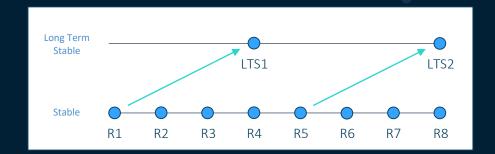


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- Cloud Native and API-First Design
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- Unification of SAS 9 / Viya platforms
- Seamless Migration from Viya 3.x to Viya 4
- Continuous delivery supported by all SAS teams





CONTINUOUS DELIVERY CADENCE

	Stable releases	LTS releases
Frequency	Once a month	Every 6 months
Release includes	New features, changes to features, bug fixes, removal of features, etc.	Based on the stable release from two (2) months prior, which forms the basis of the LTS release candidate.
Support	Current stable release plus three (3) previous stable releases (or four months total)	Current LTS release plus three (3) previous LTS releases. Enables a Technical Support policy of "two years minus a day" which means customers must update at least once every two years.



CONTINUOUS DELIVERY CADENCE (continued)

	Stable releases	LTS releases
Target customers	 Customers willing to always operate with the most upto-date features and bug fixes. Customers looking to take advantage of the full value that SAS products have to offer. Software-as-a-service customers 	 Customers who are not yet comfortable with SAS's continuous delivery. Customers only willing to upgrade to get new features less frequently, such as once a year. Customers who need to validate their environment(s) or who operate in a regulated domain.



NAMED VERSION NAMES

LONG-TERM SUPPORT RELEASE

STABLE RELEASE

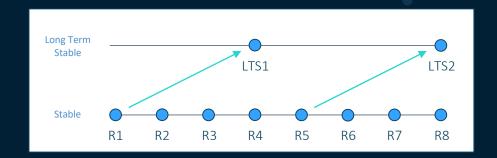
2020.1

2020.1.1

- Year-based version name more "calver" name than semantic number
- Easy-to-understand numbering
- All versions are aligned. Instead of Visual Analytics 8.4 and Model Manager 15.3, now Visual Analytics 2020.2 and Model Manager 2020.2.
- Fits into SLAs for critical fixes
- Items in roadmap become items in release notes



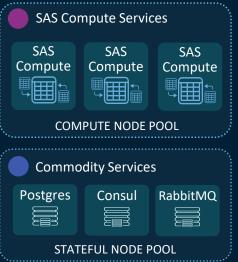
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- Continuous delivery supported by all SAS teams
- Infrastructure as Code (IaC)
- Multi-tenancy as the default configuration

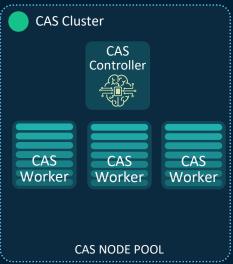




SAS Viya deployed in Kubernetes











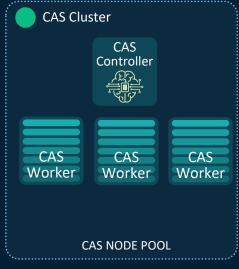


SAS Viya













Active AD



DNS



Load Balancer



Monitor



Service Bus



Cosmos DB



DB for PostgreSQL

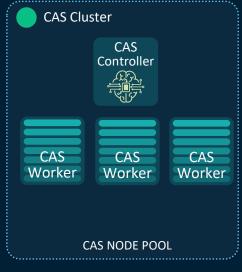


SAS Viya













AWS IAM



Route 53 DNS



Elastic Load Balancing



CloudWatch



Simple Queue Service



Dynamo DB



AWS RDS for PostgreSQL

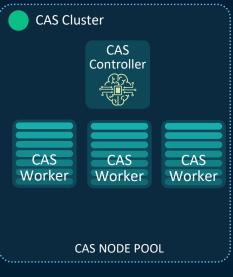




SAS Viya Coogle Cloud







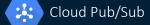


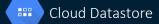
















Thankyou!

