

Enterprise Analytics Accelerating Your Path to Value with an Open Analytics Platform

Federico Pozzi

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driven by

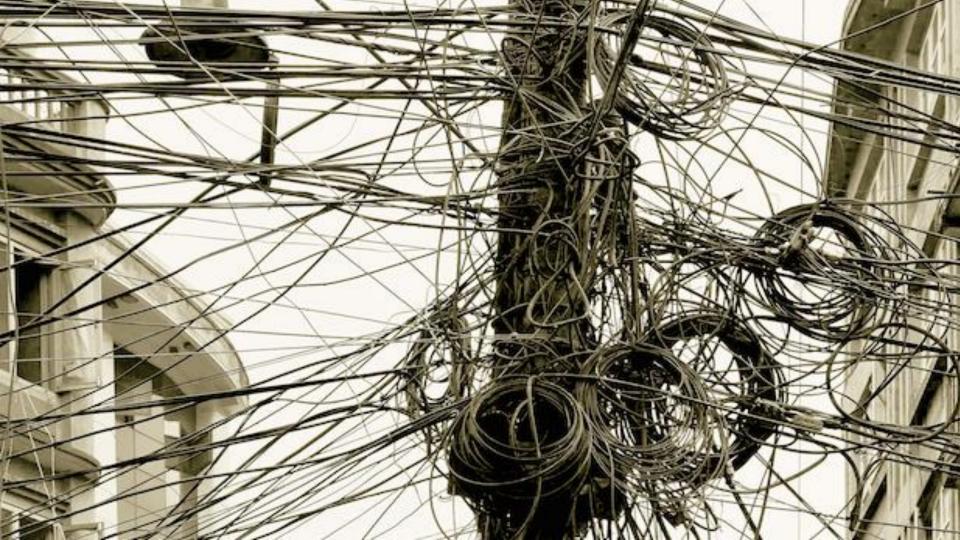


supported by









Characteristics of a badly managed platform

- No clear data ownership
- Lack of board level support for fact based decisioning
- Low trust from end users in data
- Security leaks

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- Copies of copies of copies of the same data
- Unclear process for accessing data
- Multitude of end user tools
- No clear alignment between business and IT
- Lack of process to guarantee privacy of data



Why now ?

- Access to Technology
- Cheap / Free
- Digitalisation
- Innovation
- Cloud adoption
- Big Data Revolution

- Regulation (GDPR)
- Cost
- Ethics



The seven traits of a modern analytical platform

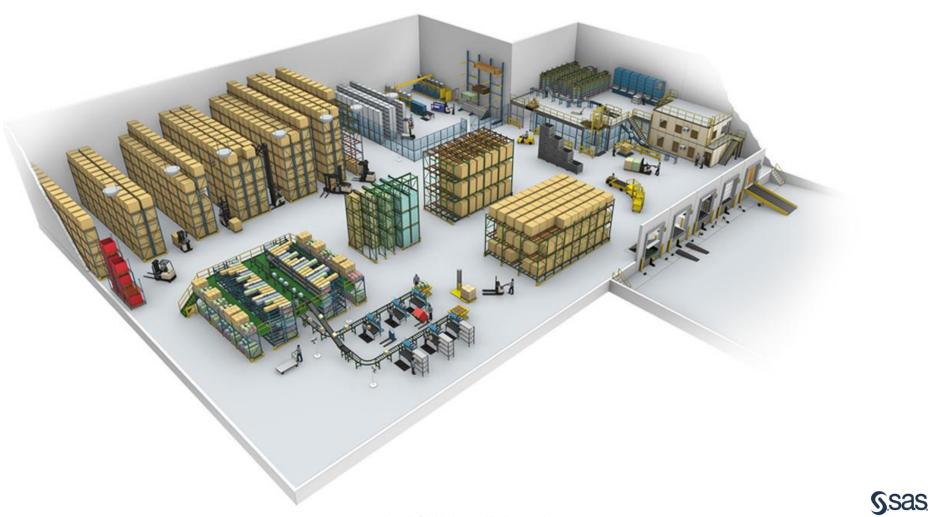
The seven traits of a modern analytical platform

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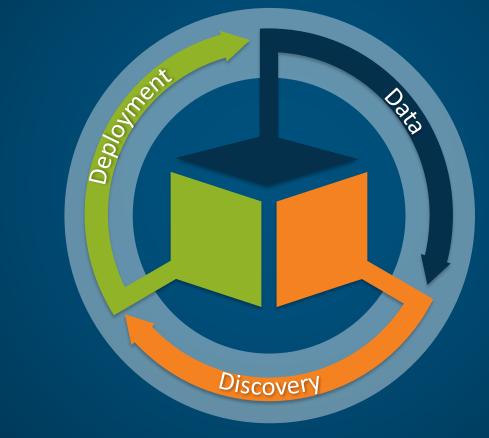
Steven O'Donoghue | JANUARY 5, 2017

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Process supports the analytical lifecycle

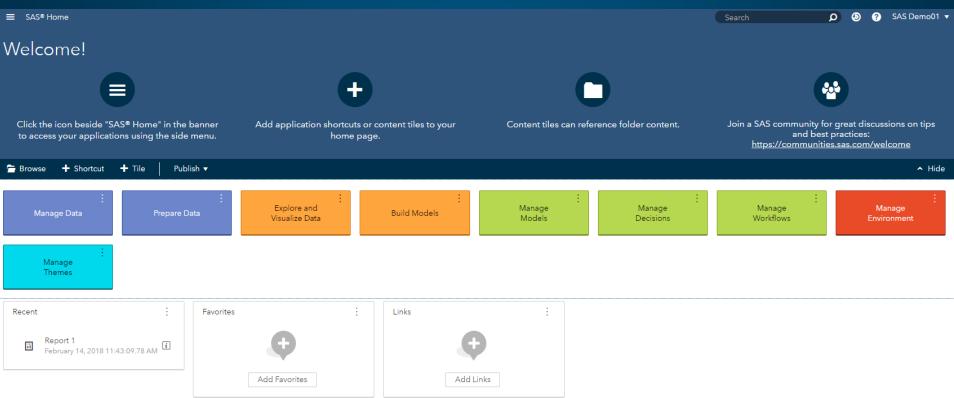




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Visual Interfaces in SAS Viya



SAS Enterprise Decision Management at a Global Financial Services Firm: Enabling More Rapid Implementation of Decision Models into Production





Buyer Case Study

SAS Enterprise Decision Management at a Global Financial Services Firm: Enabling More Rapid Implementation of Decision Models into Production

Brian McDonough

IDC OPINION

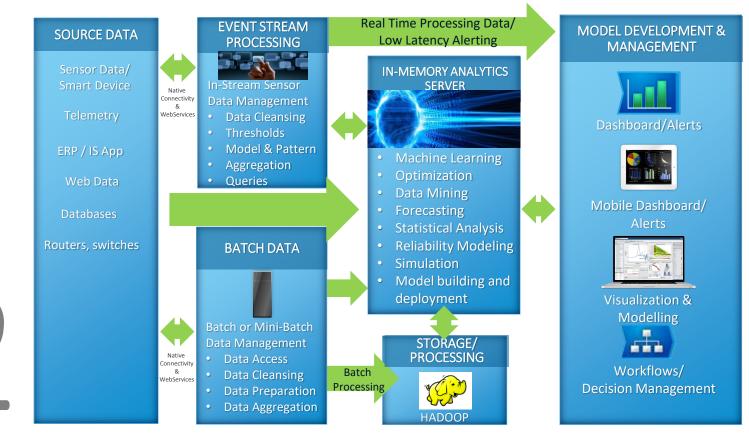
The goal of decision management is to combine analytics, process management, collaboration, and rules management functionality to support more consistent and accurate decision making. Decision management has long been addressed through analytic applications for specific decision processes as well as component technologies such as predictive analytics and business process management. software. It has only been in the past few years that decision management platforms have emerged to combine component technologies in an integrated offering. Vendors of these platforms first addressed the need for integration between rules management and analytical modeling to better address highvolume transactional decision making. The goal for implementing these platforms has been to build greater intelligence and automation into a wide range of decision processes. These offerings have quickly added features and functions to enable better collaboration between business analysts and model developers, with features for data discovery, visual rules modeling, model development, and testing prior to deployment in a production environment. A financial services company implemented a decision management platform from business analytics vendor SAS Institute to improve its ability to run analytical models in production environments. The financial services company was already mature in its use of business analytics, including the development of predictive models with SAS Enterprise Decision Management, to optimize decisions in the credit risk department. The financial services company realized several benefits from the implementation:

- Model deployment times were induced by an estimated 75% because of the capability of SAS. Enterprise Decision Management to take tested models unring real operational data and make them available in the production environment. This included model integration with operational systems to give all employees involved in the credit risk process instant decision support based on the latest models and nules.
- The capability of SAS Enterprise Decision Management to take tested models running real
 operational data and make them available in the production environment reduced the need for
 line-of-business employees to redy on IT for custom development and implementation every
 time a model or decision tree needed to be added to the production environment. This enabled
 the credit risk managers to be more saff-sufficient and agile in responding to changing decision
 requirements while relying on trusted data from a data warehouse.
- The rules management capability and process design functionality enable business analysts to rapidly adjust actions that the financial services company's frontine employees take based on changes in policies and processes intended to optimize business outcomes. The integration between the functions of SAS Decision Managementations modelies to focus on their tasks, with feedback and collaboration from the business user.

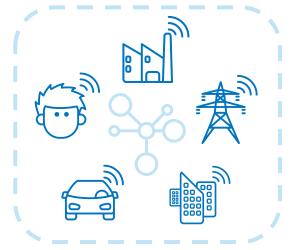
May 2014, IDC #248639



Engines for processing data in-memory, in-database and real-time streaming



New Landscape - New Needs



Bigger Data *Volume Velocity Variety*



Act Faster

Reduced time to decision and action Immediate low latency answers Continuously evaluate opportunities and risks More agile, more responsive





Real Time Marketing



Communications



Fraud Detection





Cross-industry

applicability

and value

Streaming Analytics





Enterprise Decisions



Industry, Energy



Health Care



Supply Chain









Connected Customer

Retail



Surveillance







Insurance

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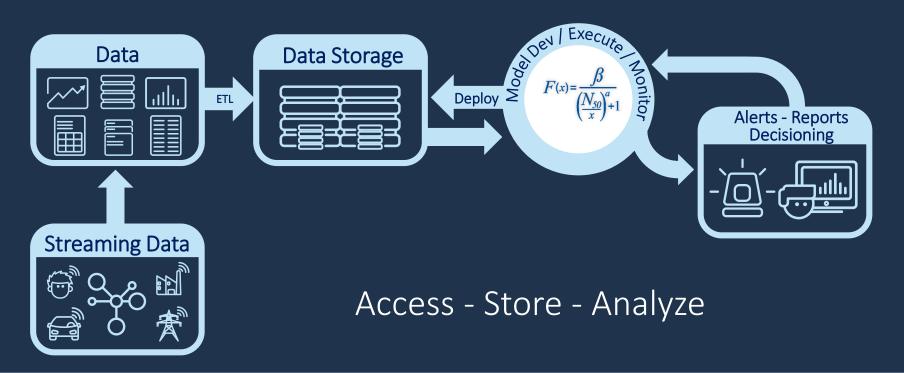
Manufacturing



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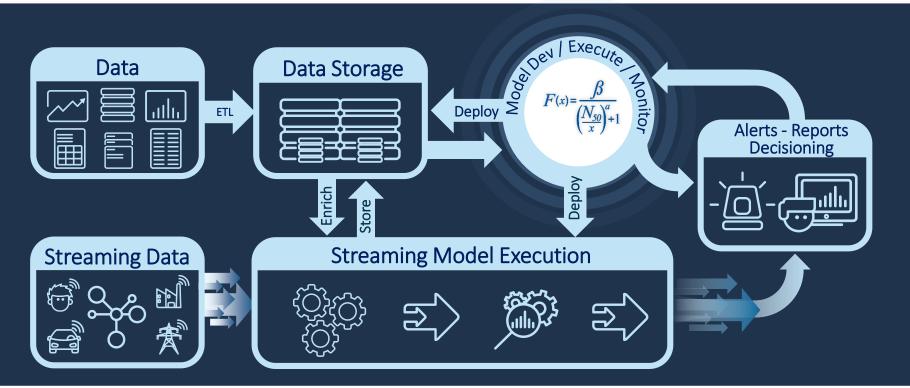
Healthcare

Analytics Lifecycle Traditional Analytics Lifecycle



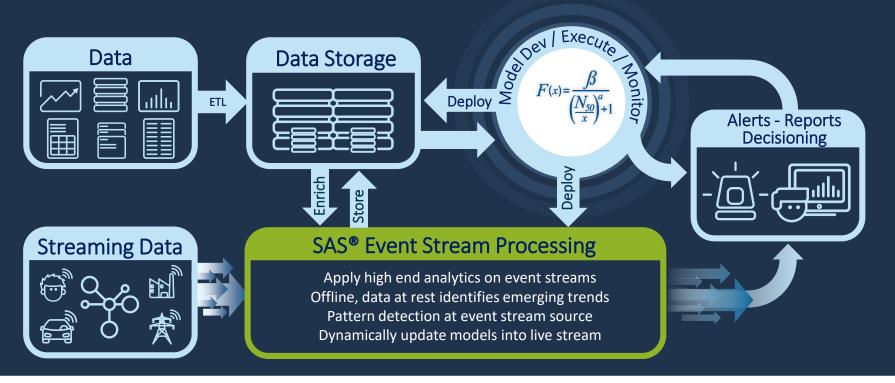


Analytics Lifecycle Stream – Understand – Act





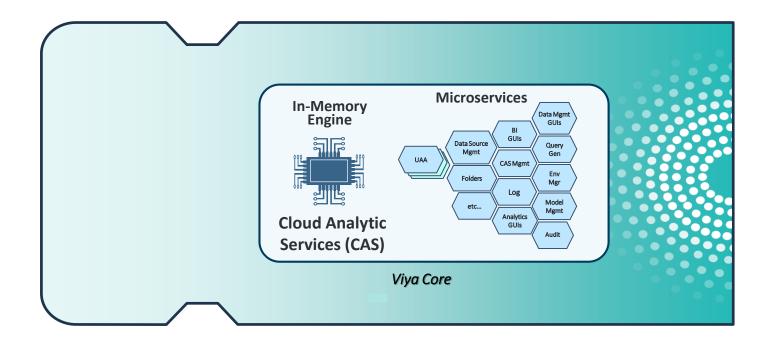
SAS[®] Event Stream Processing Engineered For Fast And Adaptive Action





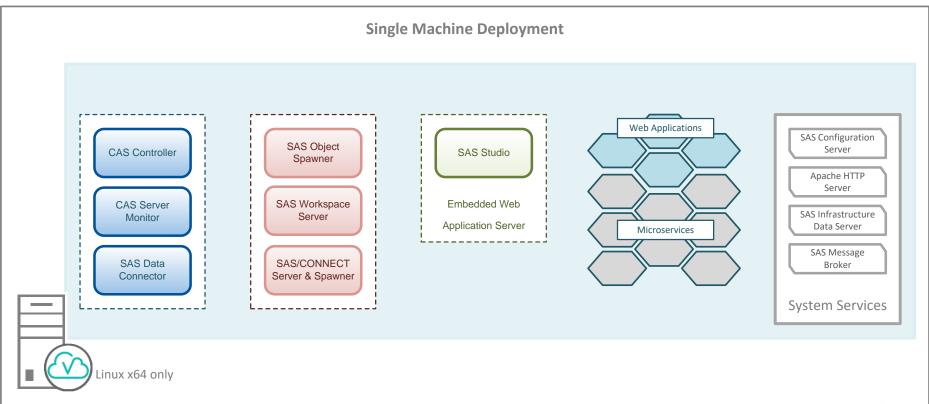
The platform is scalable and can grow

The SAS platform architecture-stripped down



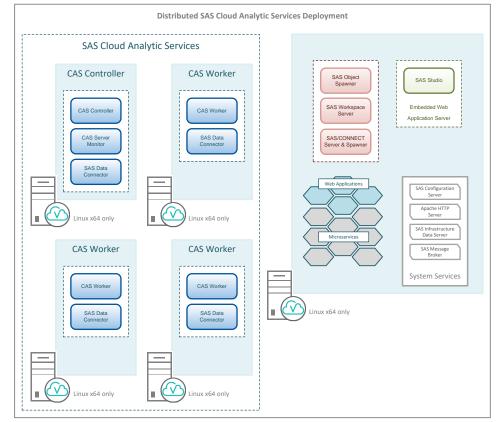


SAS Viya Single Machine Deployment





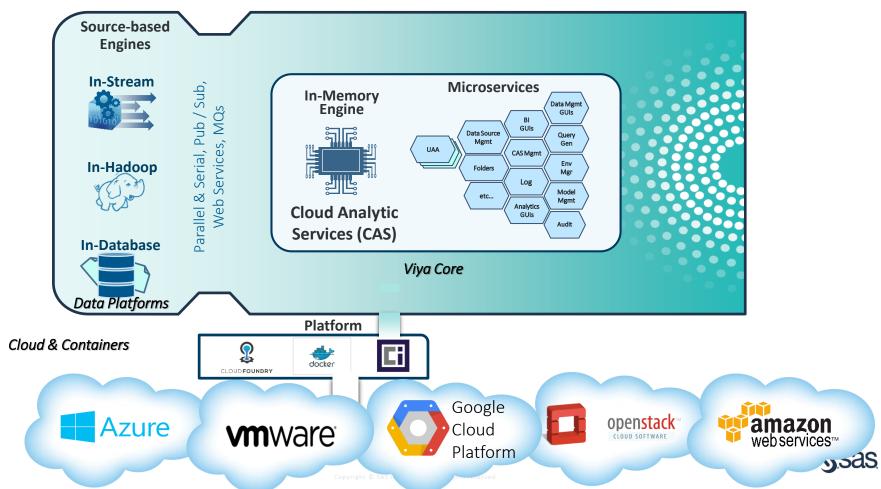
SAS Viya Multi-Machine Deployment Distributed CAS





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The SAS platform architecture

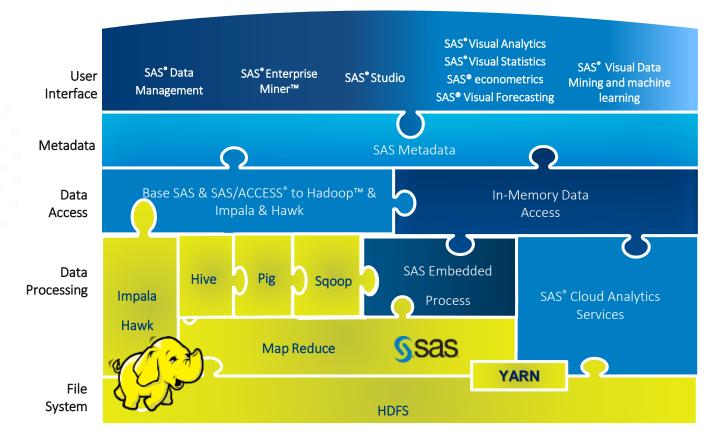


Access to a variety of data sources



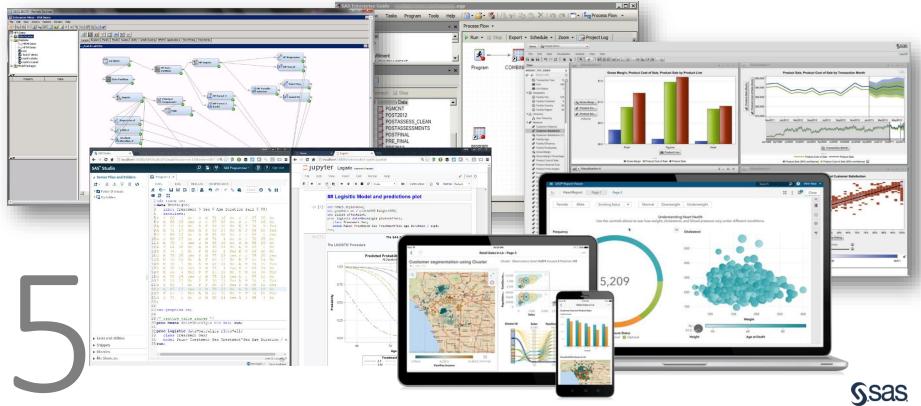


Sas & hadoop

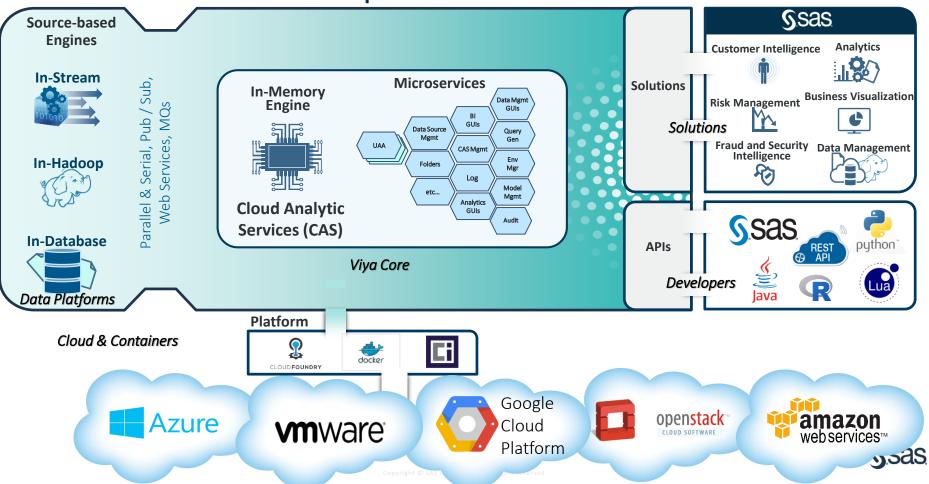




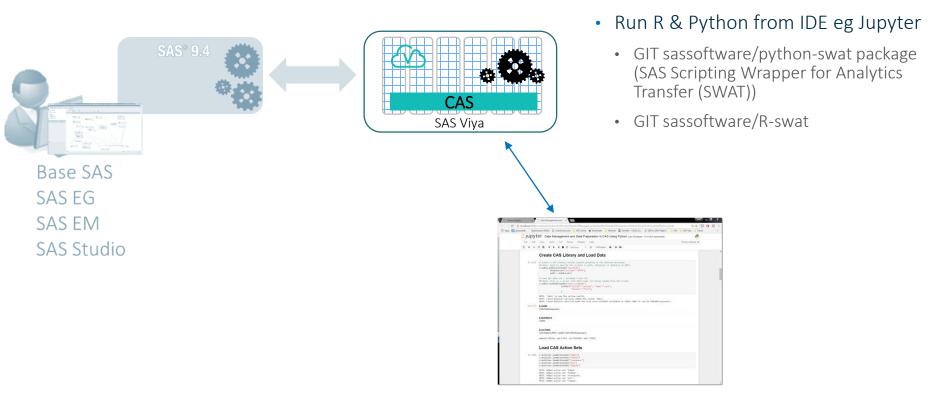
A variety of analytical tools available to support a range of end user needs



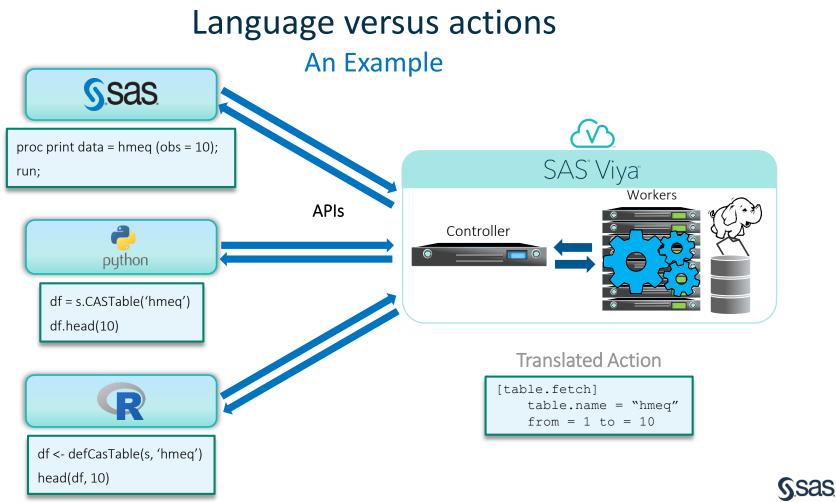
The SAS platform architecture



Open-source connectivity







A shared services operating model

Decentralisation

- Higher costs
- Variable Standards
- Different Control Environments
- Duplications of Efforts

Shared

- •Lean, Flat Organisation / Common
- Independent of Businesses

• Business Units

retain Control

• Recognition of

Local Priorities

- Identification of Efficiencies between Business Units
- Understanding of Group Functions and Missions
- Dissemination of Best Practices

Centralised

• Unresponsive

Systems &

Knowledge

Transfer,

& Tools

of Scale

Standards

• Economies

Support

• Efficient

- No Business Unit control of Central Overhead Costs
- Inflexible to Business Unit Needs
- Disconnect from Business Units



A governed environment, with room for experimentation

- IT governance
- Data governance
- Analytic governance







WARGAMING.NET

ALEXANDER RYABOV

Head of Data Services, Business Intelligence

The seven traits of a modern analytical platform

- 1. Process supports the analytical lifecycle
- 2. Engines for processing data in-memory, in-database and real-time streaming
- 3. The platform is scalable and can grow
- 4. Access to a variety of data sources
- 5. A variety of analytical tools available to support a range of end user needs
- 6. A shared services operating model
- 7. A governed environment, with room for experimentation



Thank you for joining the the data science jam sessions.

Enjoy the networking drink & music!

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Download the and& summit app!



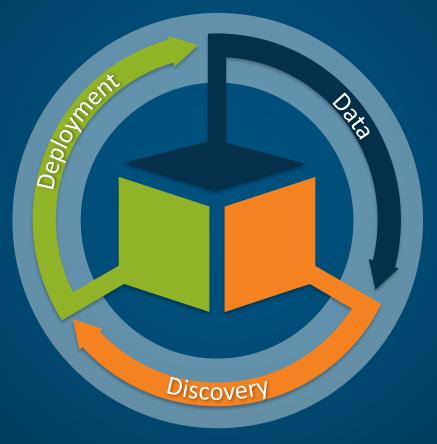
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Thanks for your attention





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