SAS® FORUM
RUSSIA 2016

Welcome

SAS Technology Directions

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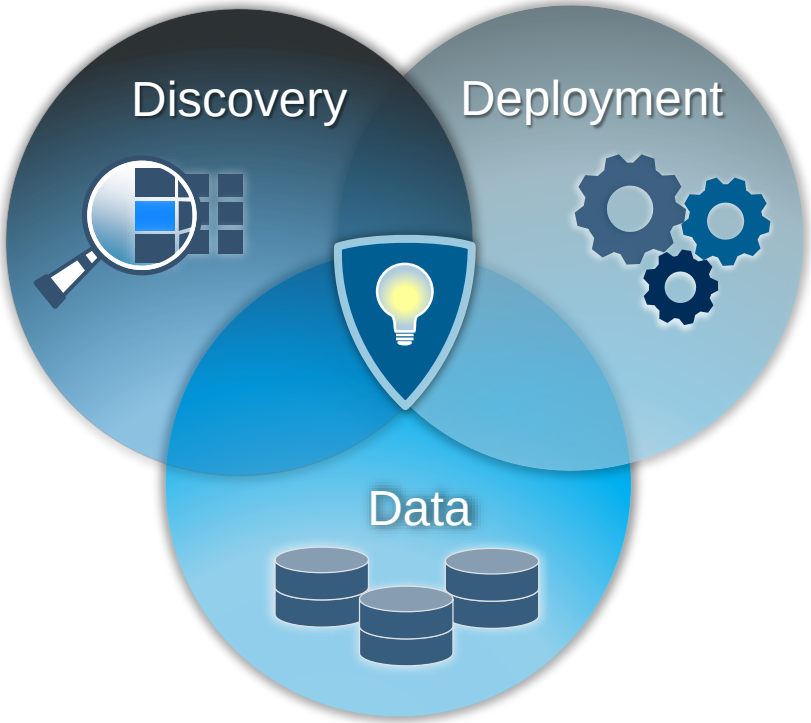
SAS ANALYTICS IN ACTION



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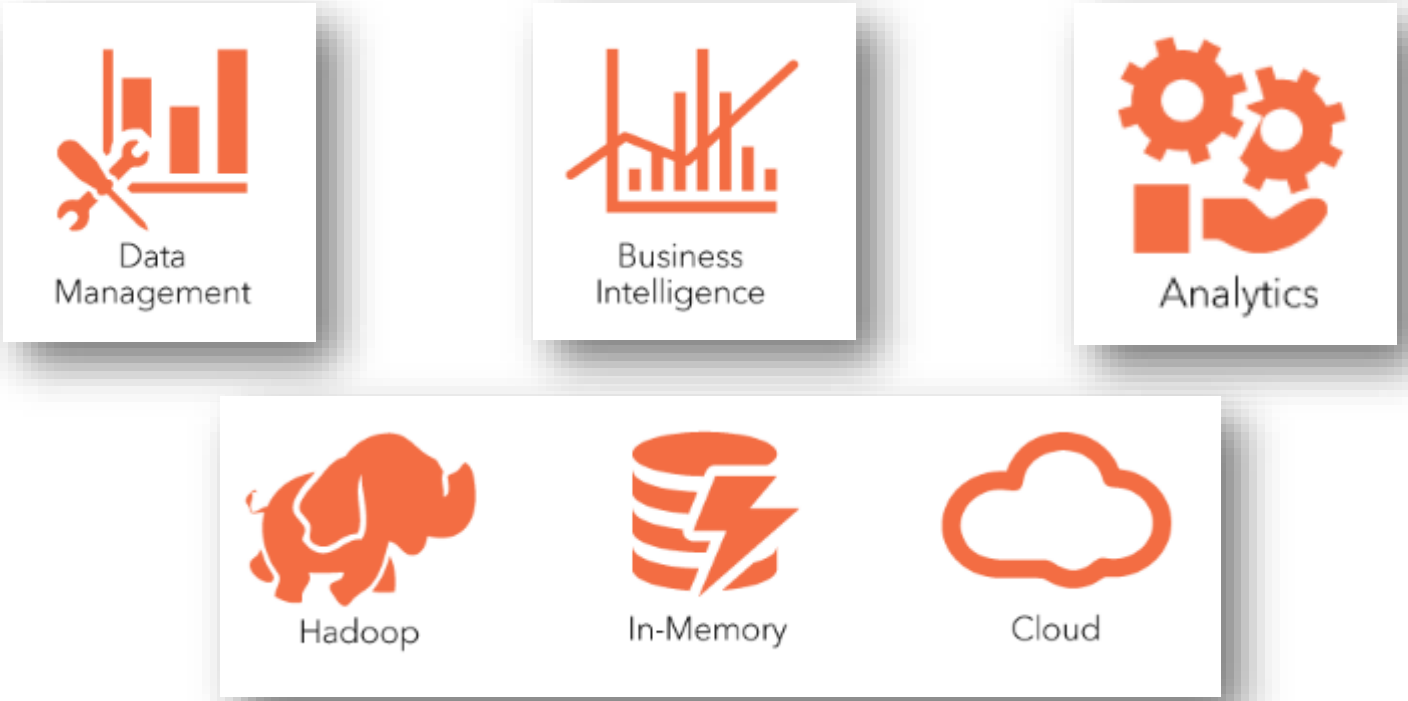
TECHNOLOGY DIRECTIONS



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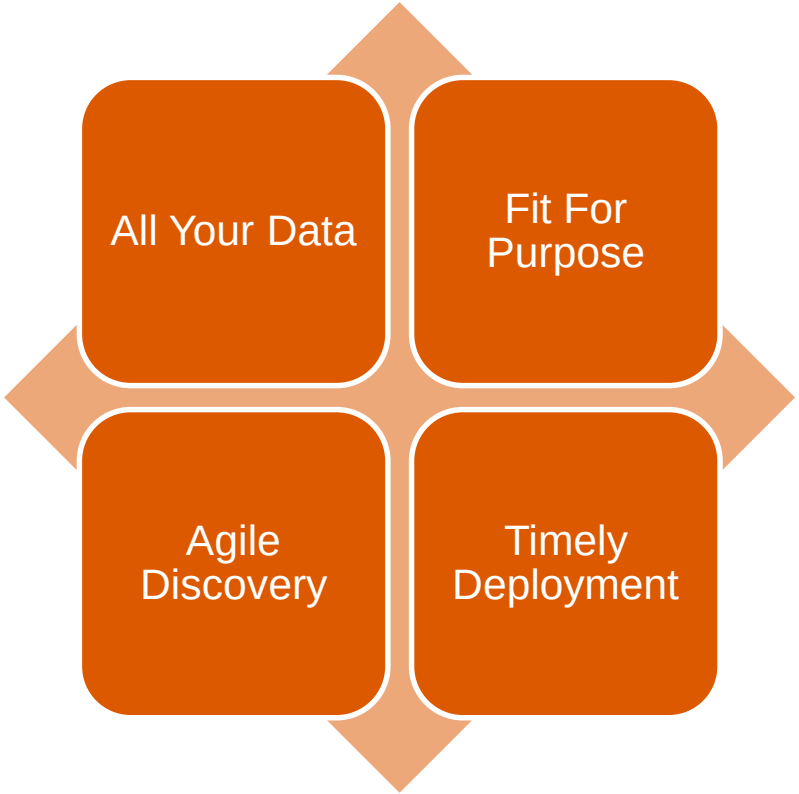

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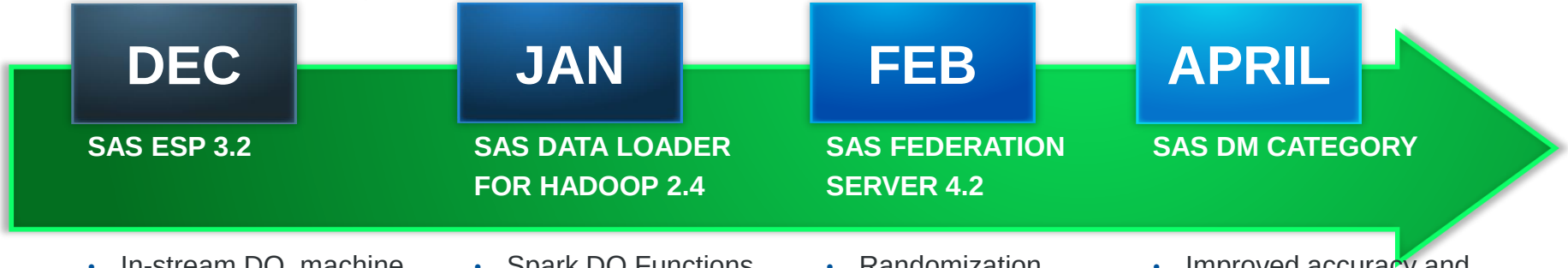
DATA MANAGEMENT RECENT RELEASES



- In-stream DQ, machine learning
- Support Dynamic ESP model changes
- Apache Camel Adapter
- YARN on Hadoop integration

- Spark DQ Functions
- Expanded Hadoop distributions (PivotalHD, IBM BigInsight)
- Big Data Match
- Impala queries
- Chain Directives
- REST API

- Randomization
- On-Demand DQ within FedSQL / DS2
- Native Hadoop/ Impala Drivers
- Shared Metadata (User Auth)
- SAS DS2 support and database pushdown

- Improved accuracy and security
- Improved productivity and performance
- Streamlined Integration
- SAS/Access updates Hive, HAWQ, Impala, PI and others

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DATA MANAGEMENT ROADMAP

Subject To Change

Q4 2016

SAS 9

- SAS/ACCESS 9.4M4
- SAS Data Quality Accelerators 2.8,
- SAS Code and Scoring Accelerators 9.4M4,
- SAS Data Quality Server 9.4M4,
- SAS Data Integration Studio 4.9.x,
- Data Management Platform 2.8,
- SAS MDM 4.3
- SAS ESP 4.1

2017 & beyond

SAS Data Management on SAS® Viya™

- SAS/Access Products (Data Connectors)
- SAS In Database Technology offerings

- Single Web Front for Data Management
- Data Quality (Profiling, Enrichments, QKBs)
- Data Stewardship (Workflow, Remediation & more)
- Data Integration (process flow design, transforms, more)
- Enterprise Data Management (MDM)

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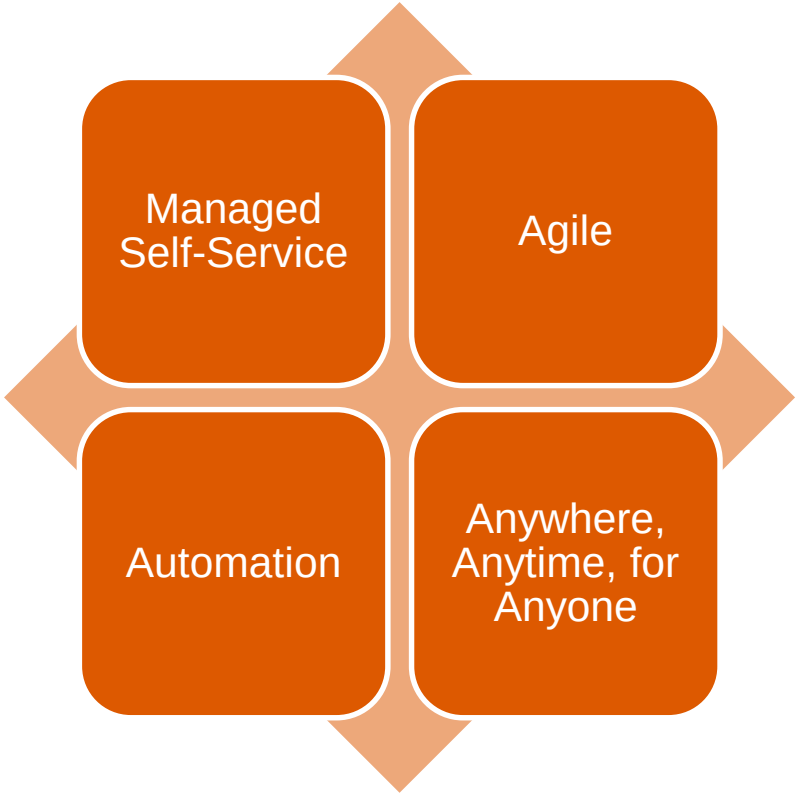
TECHNOLOGY DIRECTIONS

Business Intelligence



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BROADER SET OF CAPABILITIES IN FUTURE

Subject To Change

CAPABILITY RICH	SELF-SERVICE		IT FRIENDLY
Analytics	**Visualization**	**Mobility**	**Enterprise**
Text Analytics	Enhanced Visualizations / Interactivity	Enhanced Visualizations / Interactivity	Enhanced Administration
Location Analytics	Edit / Explore for Web Consumers	Edit / Explore for Mobile Consumers	Webification (HTML5)
Automated Modelling	Data Wrangling	Mashups	Gamification
Clustering / Segmentation	Real-Time / Operational Reports	Windows Support	Enhanced Cloud Support

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DATA MANAGEMENT RECENT RELEASES

Subject To Change

Q4 2016

SAS 9.4 M4

- SAS Visual Analytics 7.4
- SAS Visual Statistics 7.4
- SAS Mobile BI update
- SAS Office Analytics update

2017 & beyond

SAS Visual Analytics on SAS® Viya™

- SAS Visual Analytics 8.1
- SAS Visual Statistics 8.1
- SAS Office Analytics Update

- SAS Visual Analytics 8.2
- SAS Visual Statistics 8.2
- SAS Office Analytics Update
- SAS Mobile BI update

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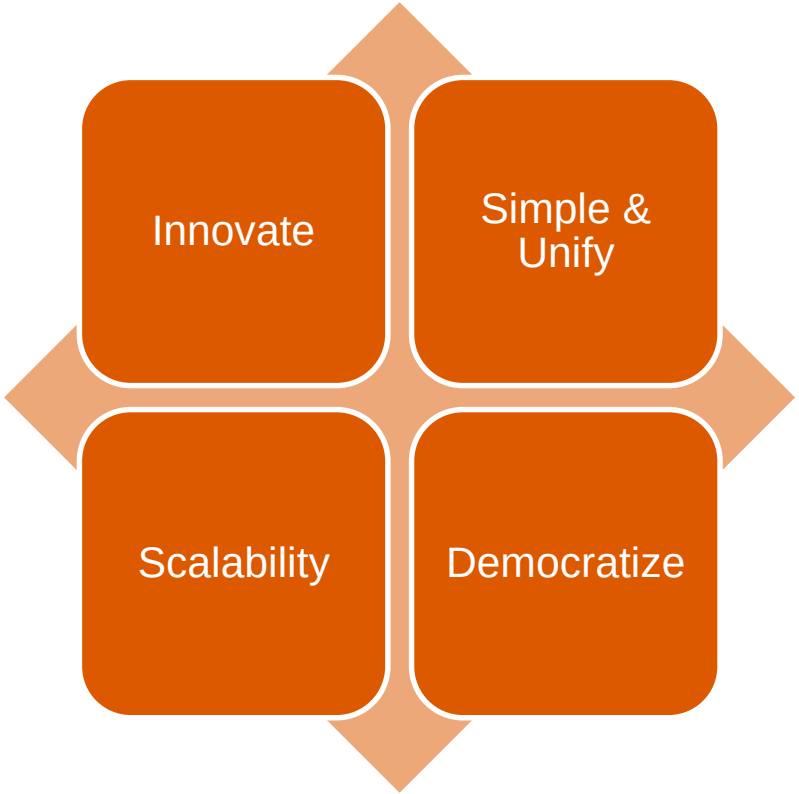
TECHNOLOGY DIRECTIONS



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ANALYTICS ROADMAP

Subject To Change

Q3/Q4 2016

2017 & beyond

SAS Analytics on SAS® Viya™

- SAS Visual Data Mining and Machine Learning
- SAS Visual Statistics
- Open Source Integration
  - Python, Lua, Java
  - Jupyter Notebook & SAS

- Bringing existing SAS Analytics procedures to Viya
- New analytical offerings
  - Factorization Models
  - Gradient boosting
  - Assess Supervised Models
  - Variable Cardinality Analysis.. And more
- SAS Analytics as a Server (*Cloud*)

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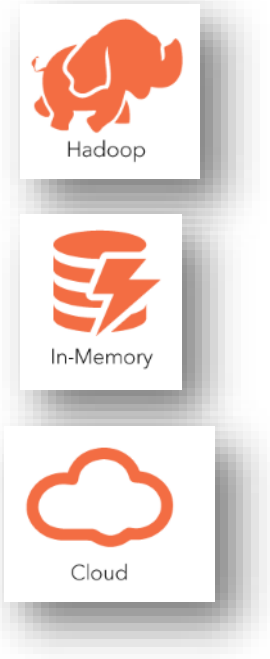
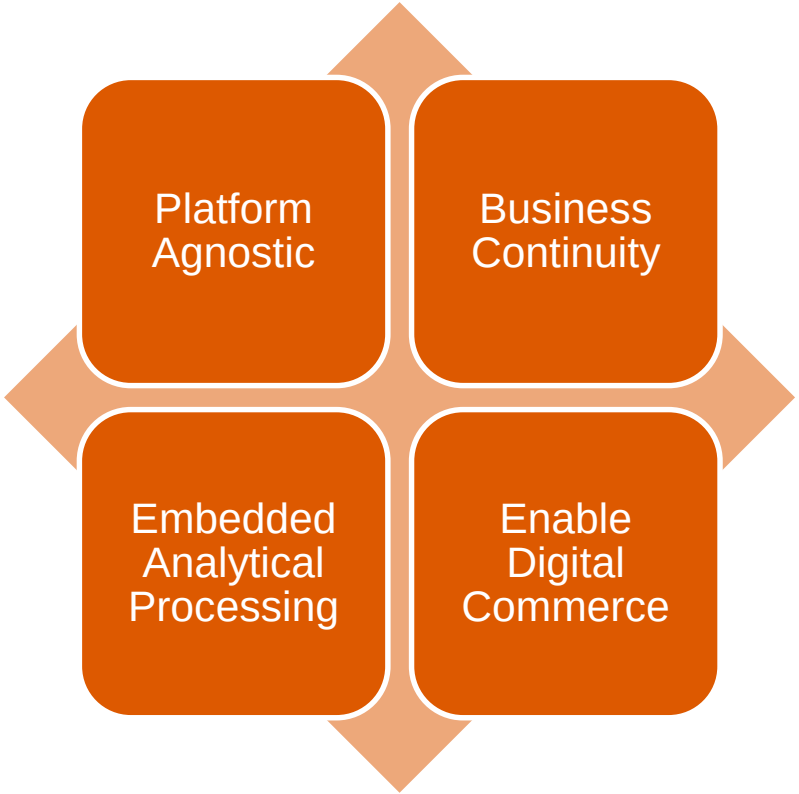
TECHNOLOGY DIRECTIONS





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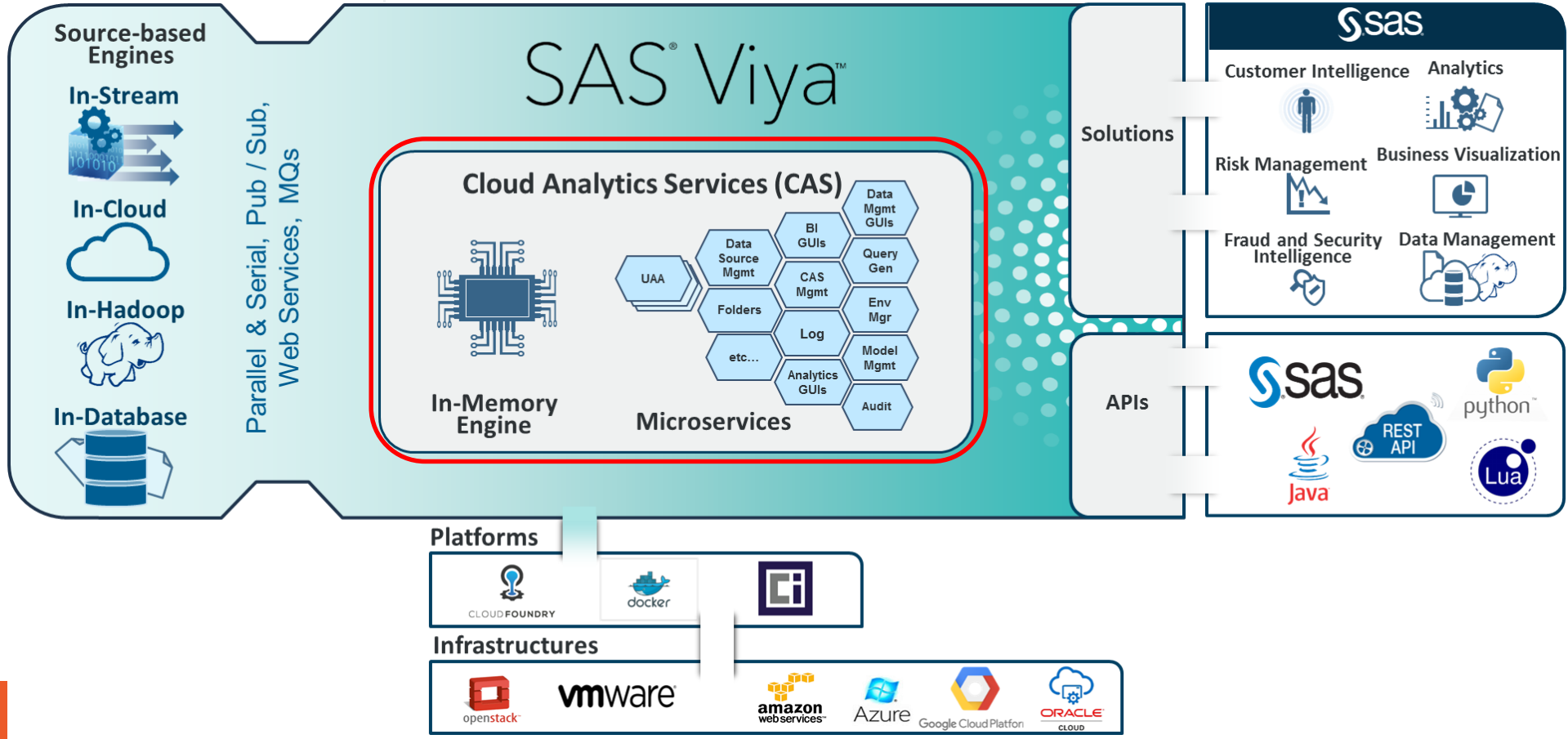
MICRO-SERVICE BASED ARCHITECTURE



Thank You

Let’s Connect:
@avchitale