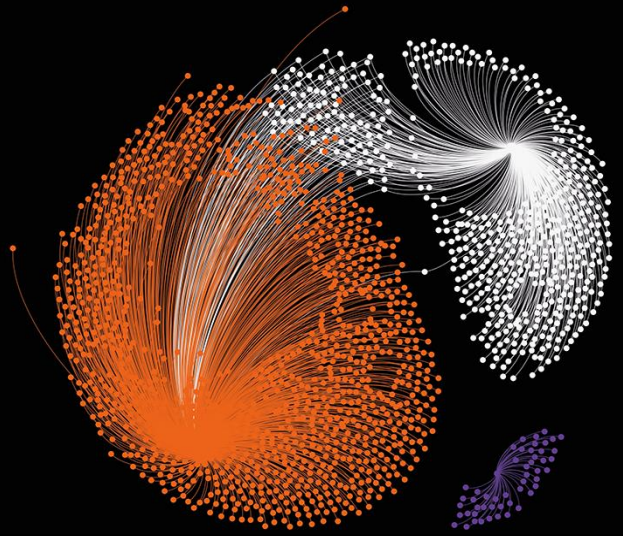

TERADATA
Advanced Analytics Software
Gerhard Otterbach, Teradata

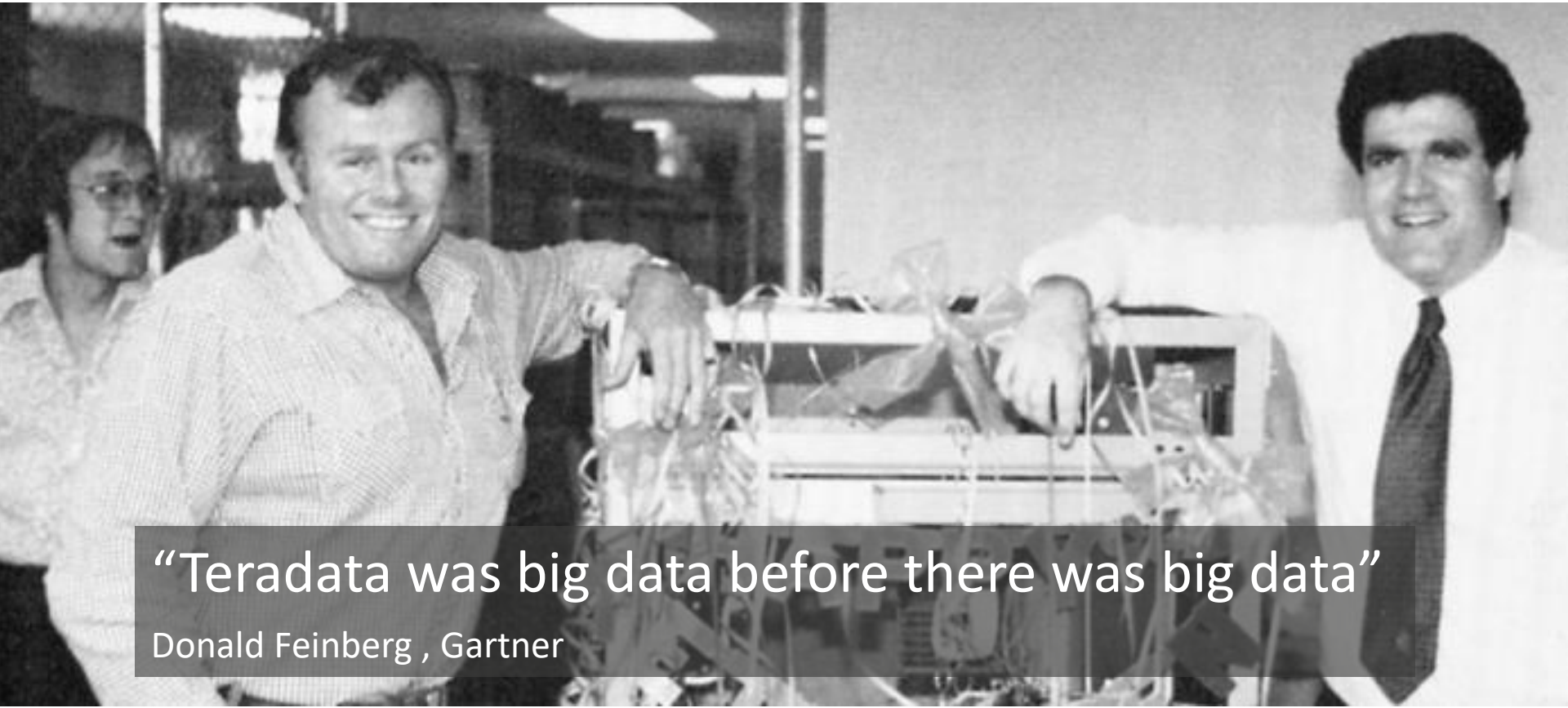


# The Future of Advanced Analytics Software or „The New SQL“

Gerhard Otterbach,
Sales Manager Teradata Germany

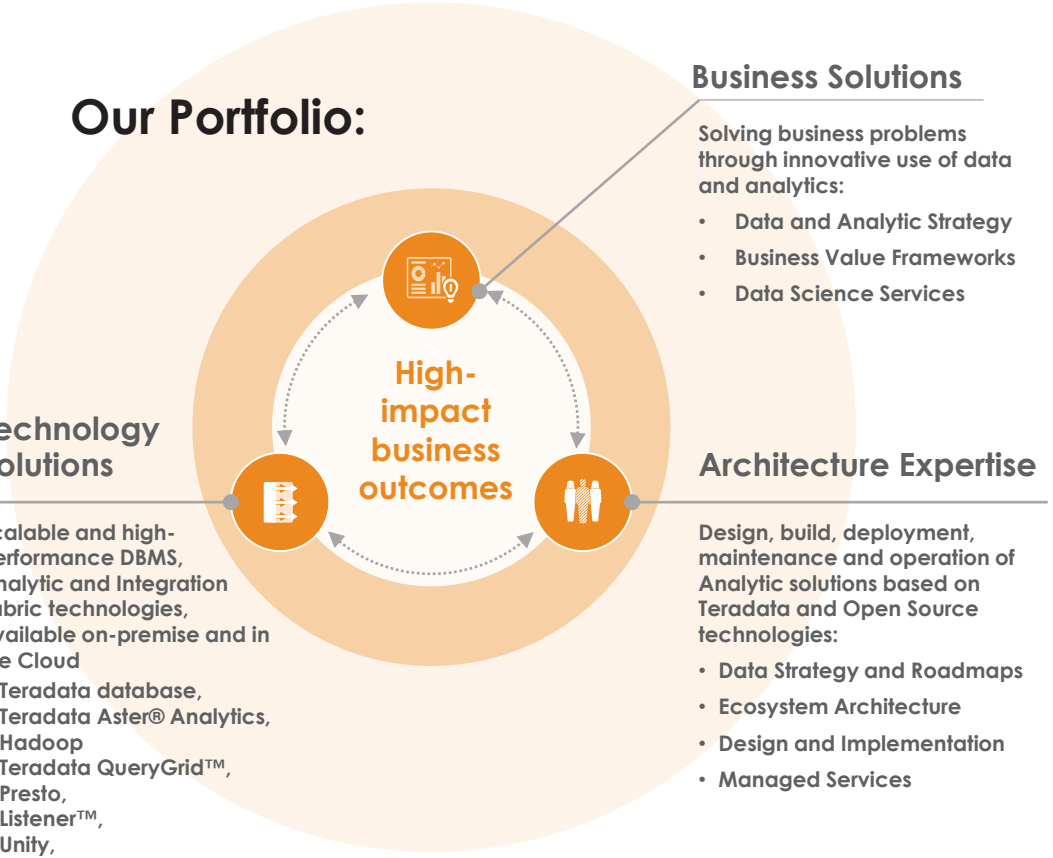
Munich, June 26th, 2018

# Teradata At A Glance: 39 Years Ago



# Teradata At A Glance

## Our Portfolio:




### Business Solutions

Solving business problems through innovative use of data and analytics:

- Data and Analytic Strategy
- Business Value Frameworks
- Data Science Services

### Technology Solutions

Scalable and high-performance DBMS, Analytic and Integration Fabric technologies, available on-premise and in the Cloud

- Teradata database,
- Teradata Aster® Analytics,
- Hadoop
- Teradata QueryGrid™, Presto,
- Listener™,
- Unity,
- AppCenter

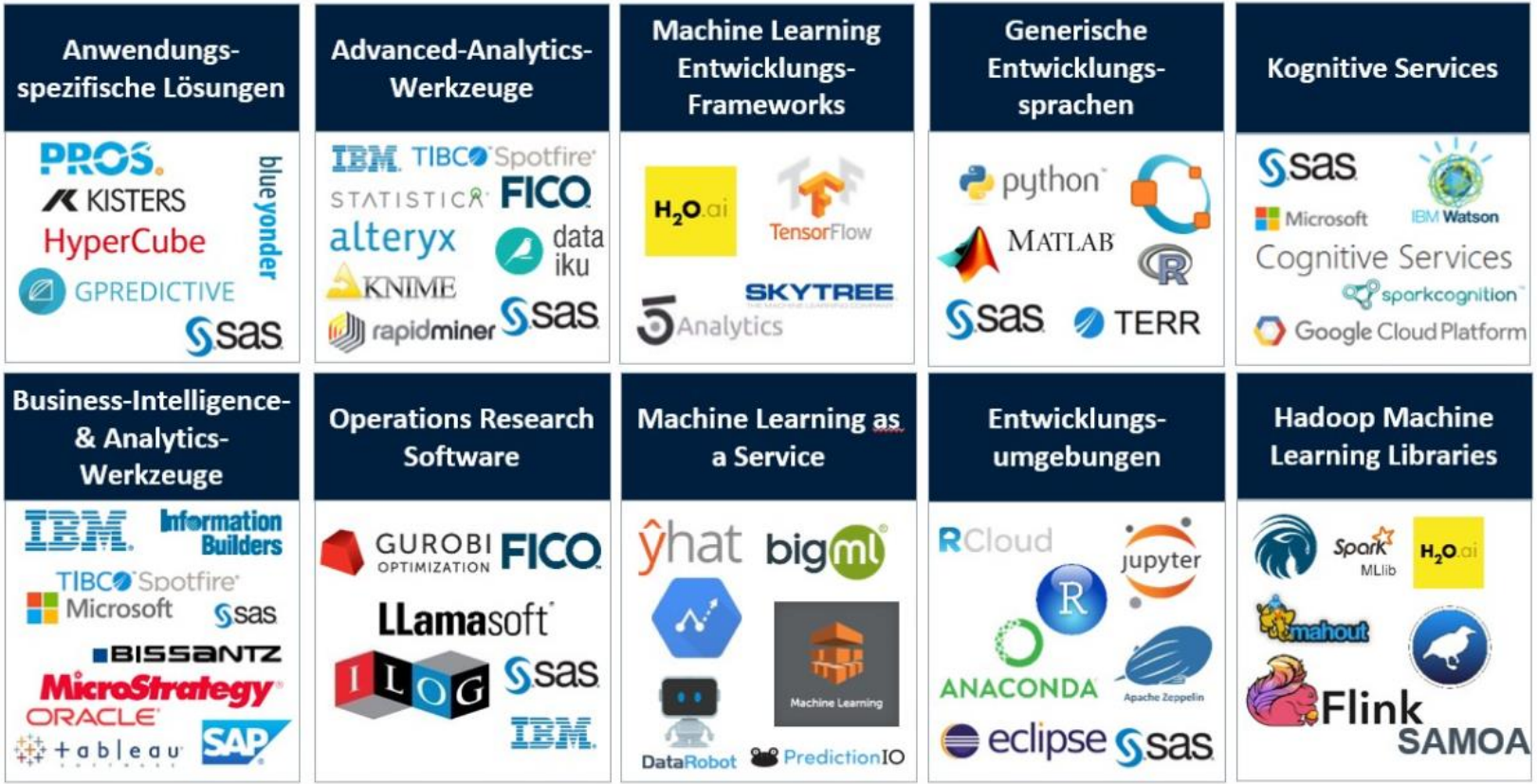
### Architecture Expertise

Design, build, deployment, maintenance and operation of Analytic solutions based on Teradata and Open Source technologies:

- Data Strategy and Roadmaps
- Ecosystem Architecture
- Design and Implementation
- Managed Services

- ~1,400 + Customers in 77 Countries
- ~10,000 Employees including ~5,000 Consultants
- Market Cap: U.S. $4 Billion+
- World's Most Ethical Companies – Ethisphere Institute
- Fortune: Top 10 U.S. Software Company
- The "Completeness of Vision" leader in **Gartner's** Magic Quadrant "Data Warehouse and Data Management Solutions for Analytics"
- Leader in the **Forrester** Wave™:
  - Big Data Hadoop-Optimized Systems
  - In-Memory Database Platforms

# Challenge I – The Big Data Tools & Languages




Source: BARC

# Challenge II – the never-ending fight – but who‘s right?

SQL vs. No(t only)-SQL




TERADATA.

# Challenge II – the never-ending fight – but who‘s right?

SQL AND! No(t only)-SQL

# Challenge III – data lake and data governance?

Governance vs. No Control



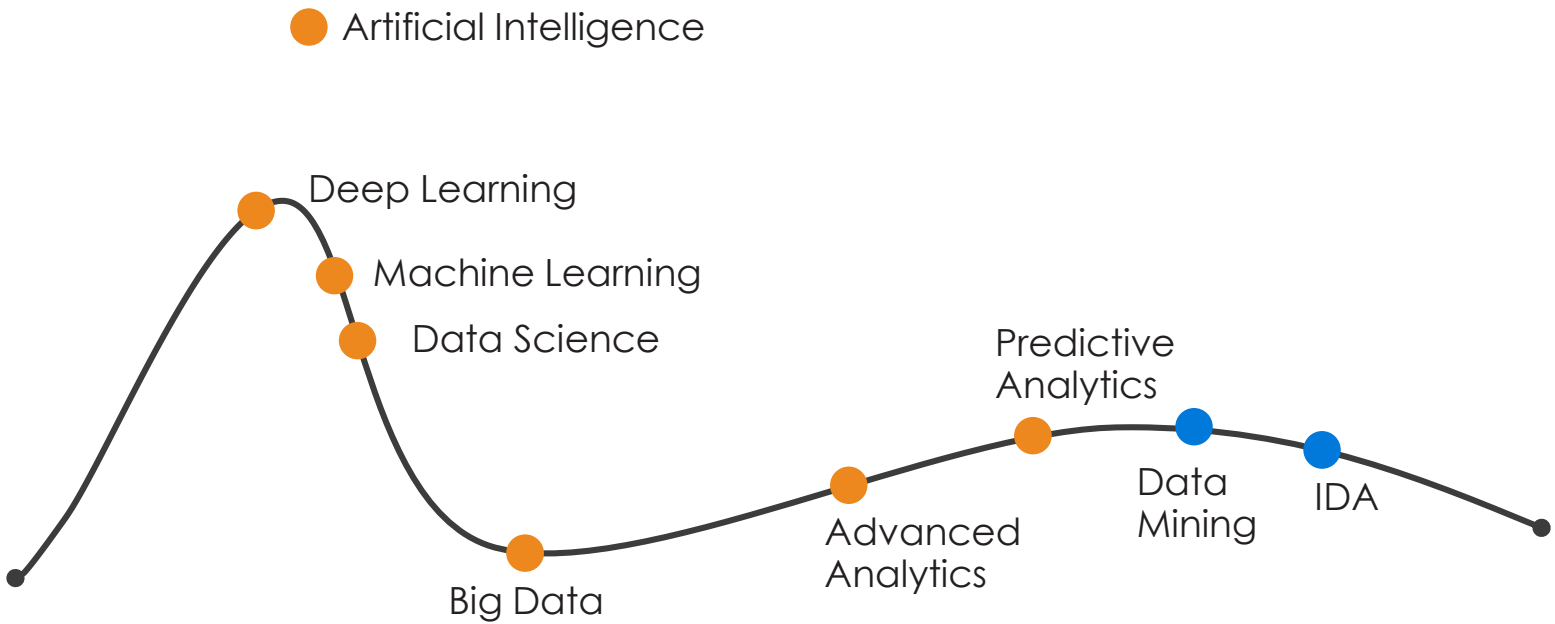

TERADATA.

# Challenge III – a data reservoir as the solution!

## Controlled ‚No Control‘

# Challenge IV – Artificial Intelligence Hype

## Artificial Intelligence outside the Charts – Hard touch down to be expected!

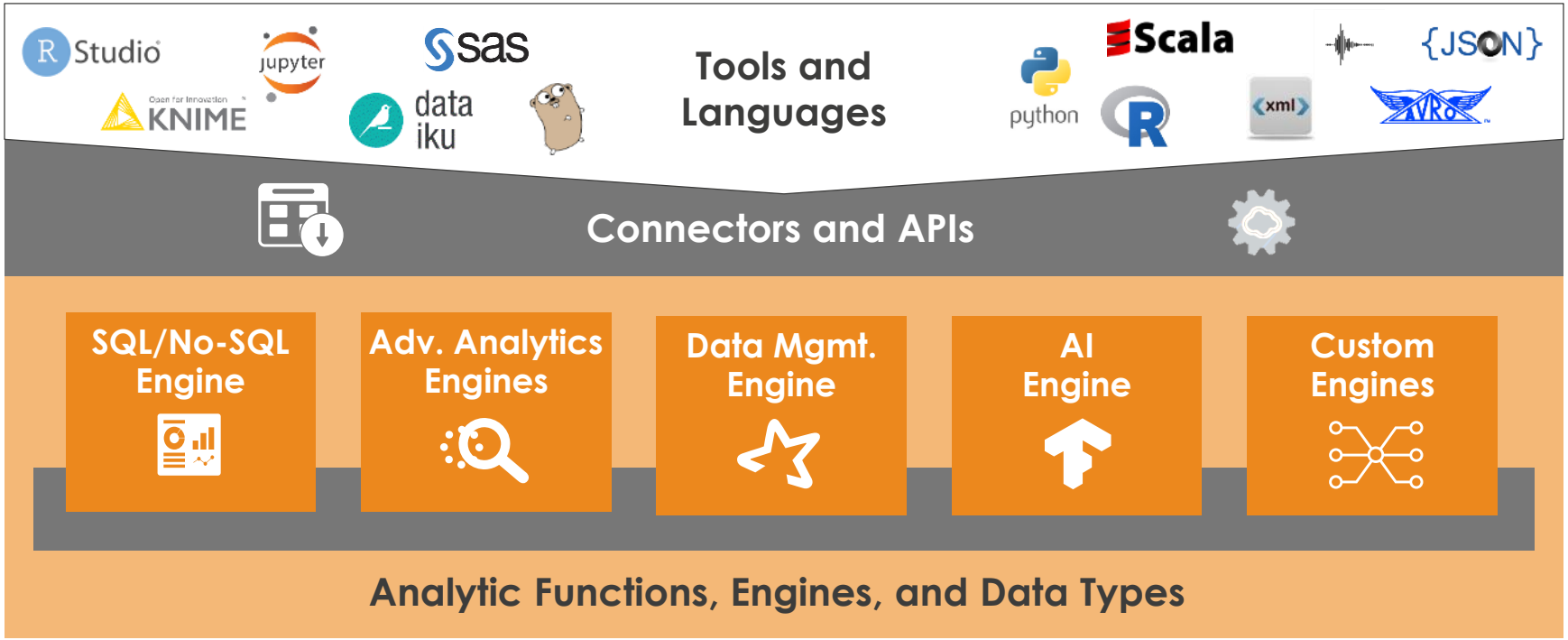



Source: Alexander Linden, Gartner BI Summit, March 2017



TERADATA.

# The Requirement: Analyze Anything AND Operationalize



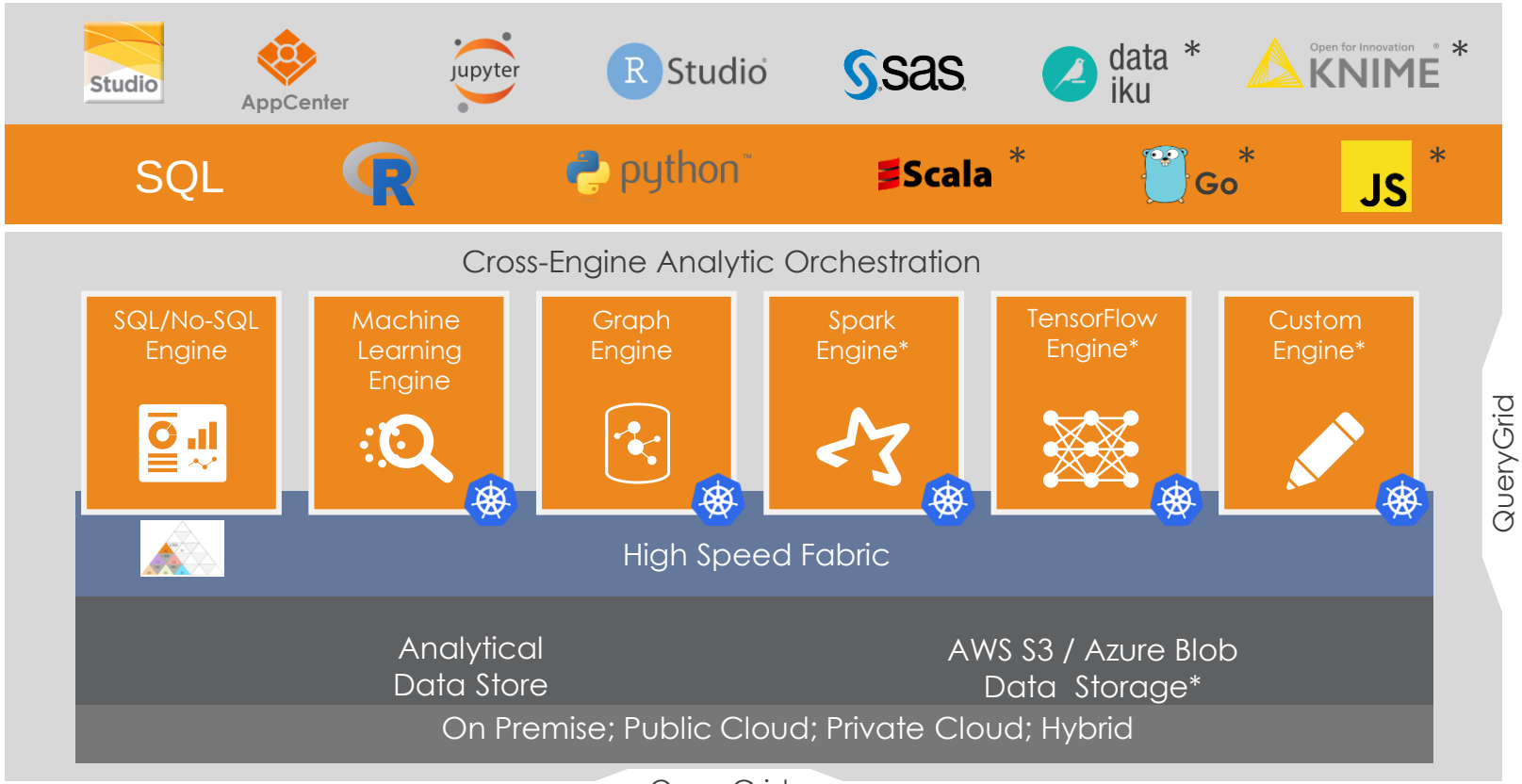



TERADATA.

# The Teradata Analytics Platform is the physical implementation of the open data architecture

Any User, Any Analytics, Any Data, Any Time @Scale

--- DEV/OPS ENABLED ---




Customer 360 --- Self Service --- No physical Datamarts

* Anticipated future capabilities

Managed by Kubernetes

# To Summarize

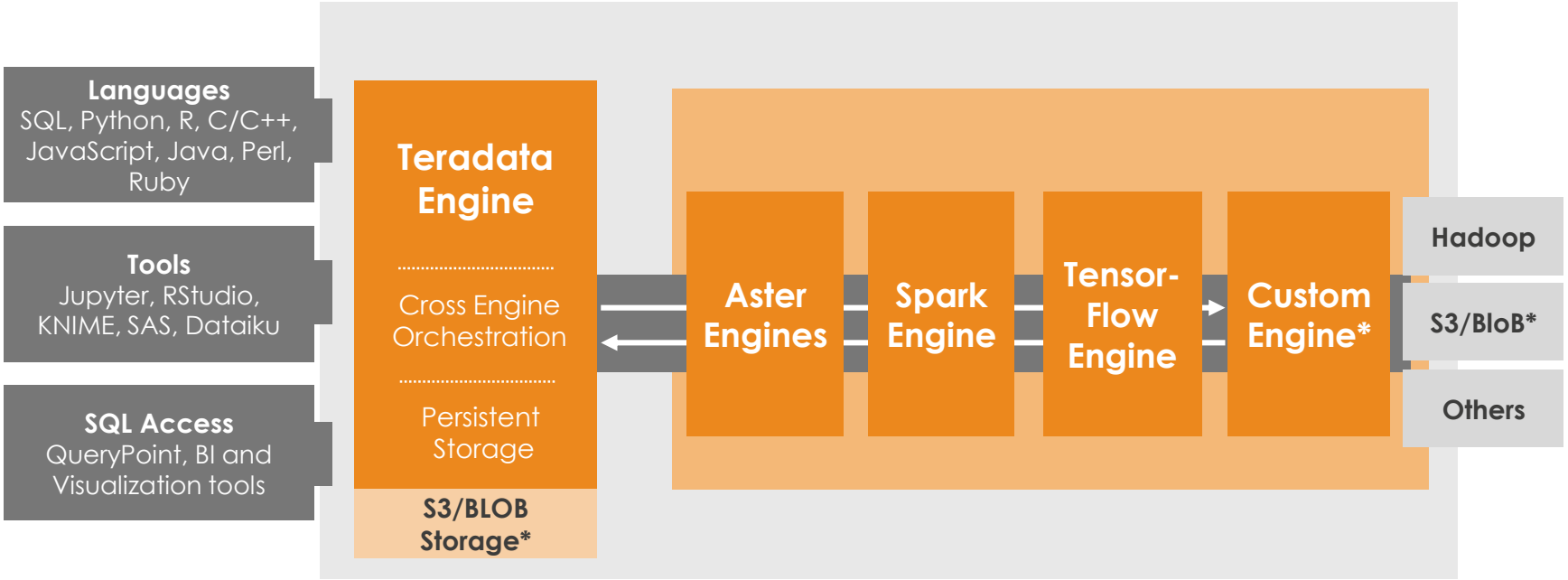
Analytics Tools & Languages Landscape is and will remain complex

SQL and No-SQL will remain next to and combined with each other

Artificial Intelligence is not a hype but operationalization is a must

**An "everywhere" Analytics Platform that integrates newest tools, engines, languages and storage systems is the key to success!**

# The Solution: The Teradata Analytics Platform

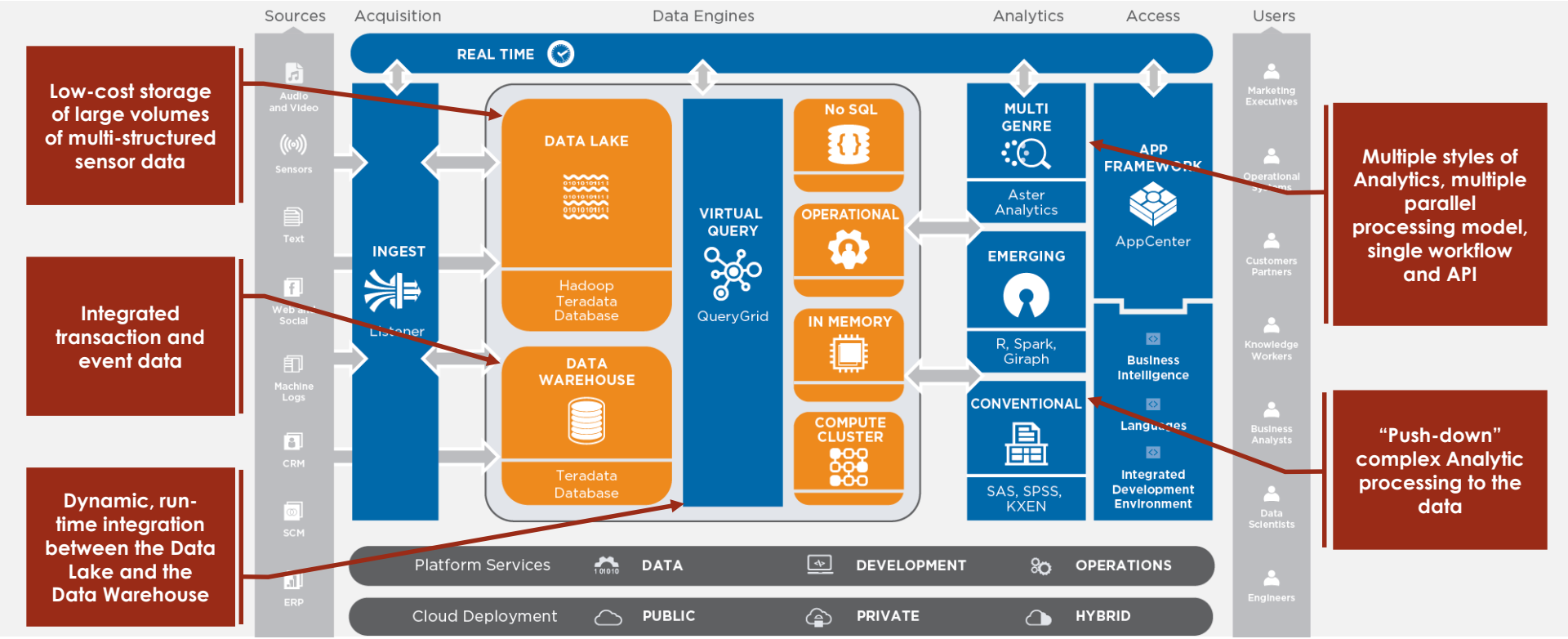



* Future



TERADATA.

# An ecosystem approach is required to support modern data management and complex analytics



# Teradata Analytics Platform address the unique preferences of analytic users

## Teradata Analytics Platform

### Analytic Functions and Engines

**Teradata Functions** - Time Series, Path, Decision Trees, Attribution, Text Analytics, and Scoring Functions

**Analytic Engines** - Graph, Machine Learning, Statistics, and Location Analytics
Spark* and TensorFlow*

### Tools and Languages

**Data Science Workbenches** - Jupyter, RStudio, KNIME, SAS, and Dataiku

**Languages** - SQL, Python, R, C/C++, JavaScript, Java, Perl, Ruby

### Multiple Data Types

Time Stamp and Period, Text, JSON, BSON, AVRO, CSV, Name Value Pair, XML, Relational

*Future

# Think Big **Commitment to Artificial Intelligence**

Teradata Labs

Teradata Deep Learning Community

Dozens of Experts in Deep Learning, Image/Audio/Video Processing, Computer Vision, GPU

200+ Practitioners delivering Artificial Intelligence Business Value on Customer Projects

500+ Solution Architects, Business Consultants and Software Engineers with knowledge of Artificial Intelligence Tools, Techniques and Technologies. Deep expertise in retail and across industries.


Industry Collaborations

Academic Collaborations

Analytics Ops

Data Management


TERADATA®