

**DRAFT SLIDES**

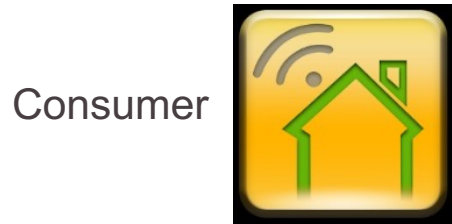
# Leveraging Data Fabric to Streamline DataOps and Analytics

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Video



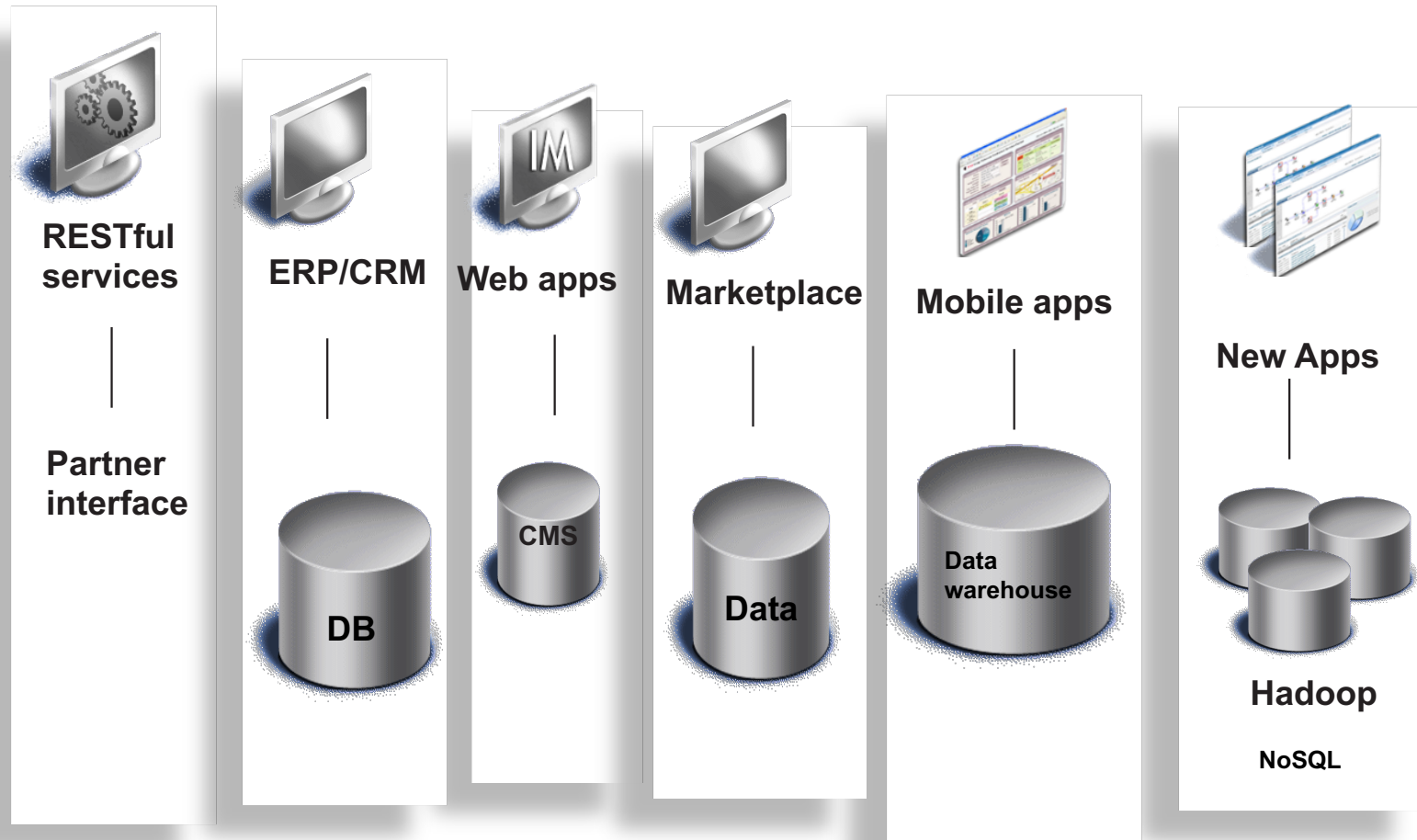
Web apps



Mobile

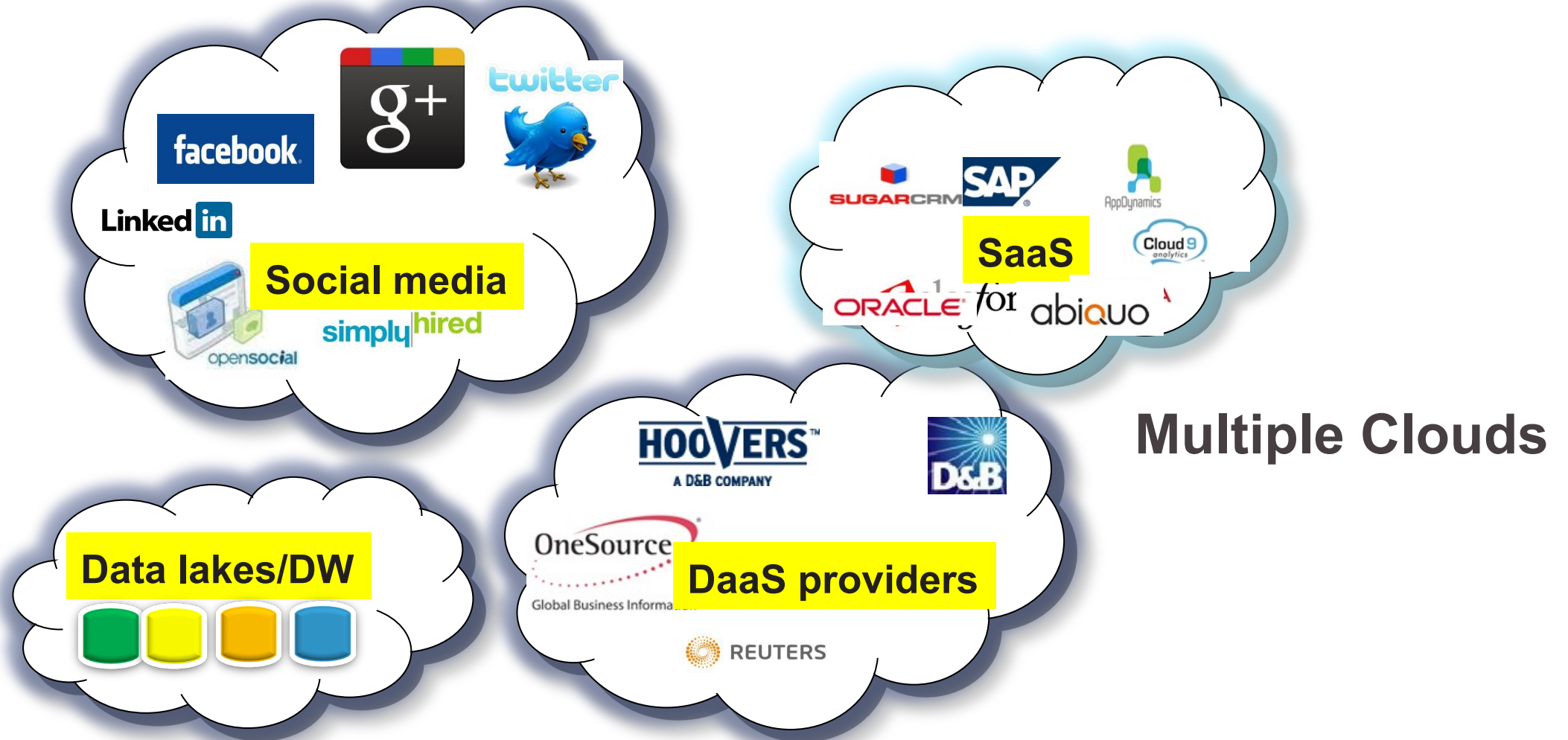
... It creates new possibilities ... when leveraged!

# However, your data is locked in multiple apps, data repositories on-premises.....



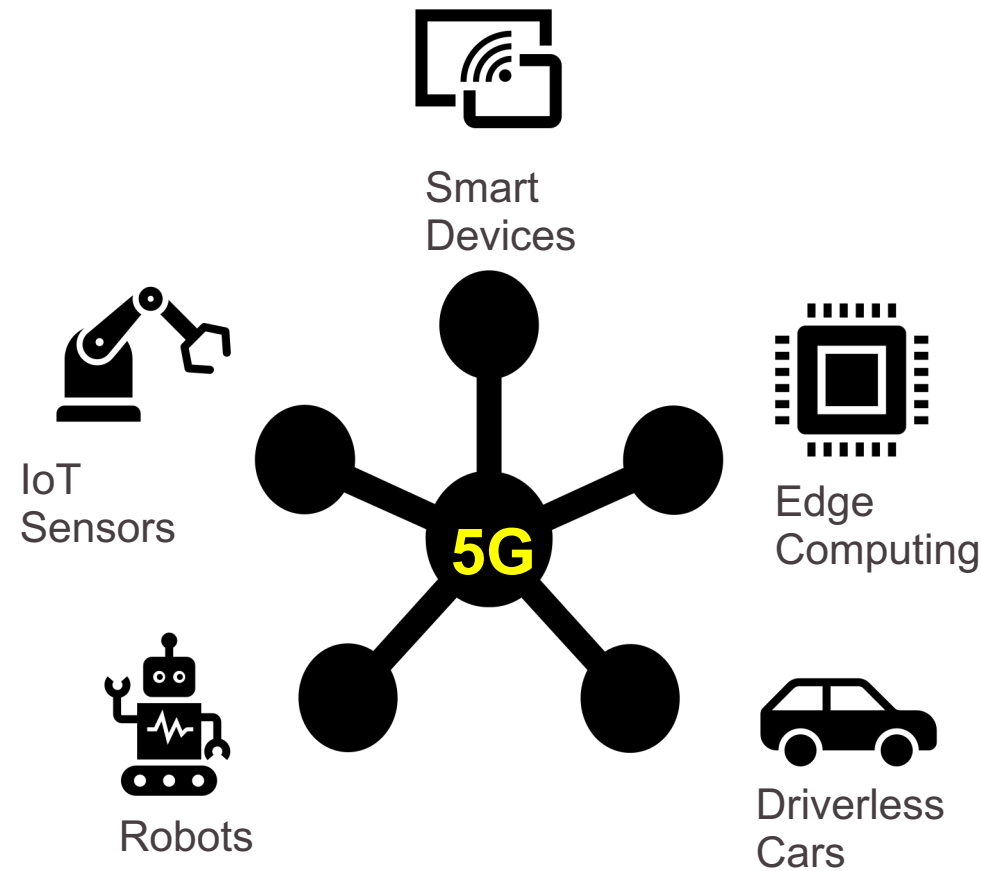
**On-premises**

# And we now have data also stored and processed in the cloud !



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# And data extends out to the Edge... that is growing even more rapidly ....



**Applications need  
contextualized  
data**



**Insights need  
contextualized  
data**

# Traditional data architectures fail to support new generation requirements...



**Lack of real-time data support:** Traditional architecture mostly support batch or slow-data processing



**Not agile:** Unable to quickly respond to new business needs.



**Lack of automation:** Most traditional systems lack automation to simplify data management function.



**Lack of support for non-structured data:** Most traditional data systems don't support semi-structured and un-structured data



**Lack of collaboration:** Most traditional architectures do not have multi-persona support.



**Dynamic integration:** Brings together diverse sources to support customer scenarios quickly.

# FORRESTER

## Data fabric

*“Dynamically orchestrating disparate data sources intelligently and securely in a self-service manner and leveraging various data platforms to deliver integrated and trusted data to support various applications, analytics, and use cases”*

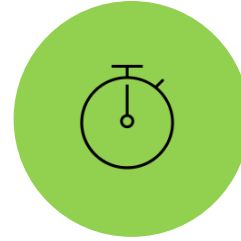
# DEFINITION



# Data fabric delivers a modern data architecture



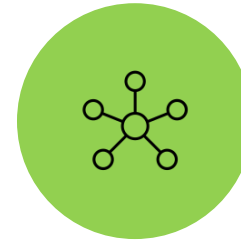
**Trusted and consistent data:** Provides trusted data for all applications and insights.



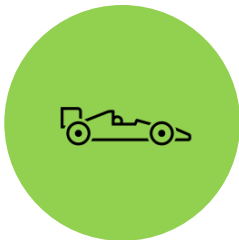
**Agile:** Quickly responds to new business needs — across enterprise.



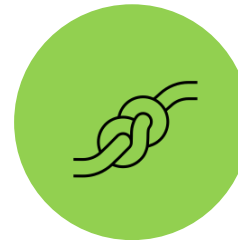
**Self-service (Business):** End users can leverage data to support various use dashboards, reports.



**Self-service (IT):** High degree of automation for data management functions.

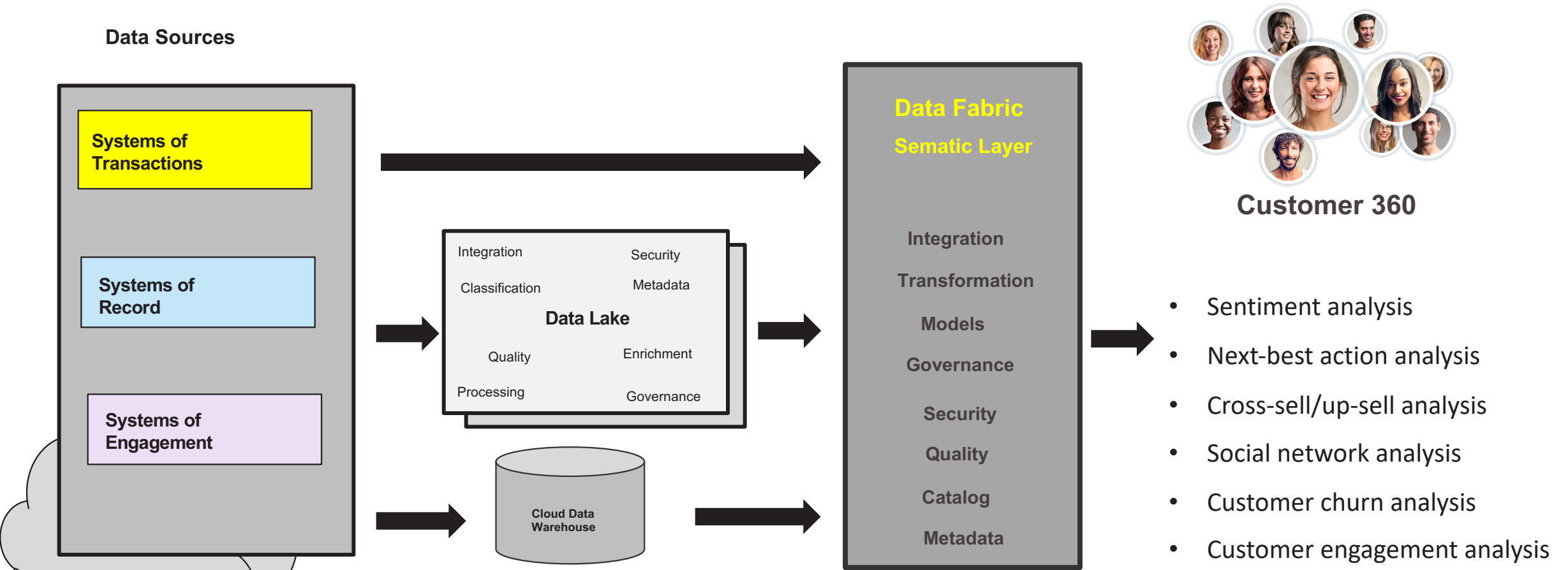


**Real-time initiatives:** Focuses on real-time and near real-time customer data initiatives.

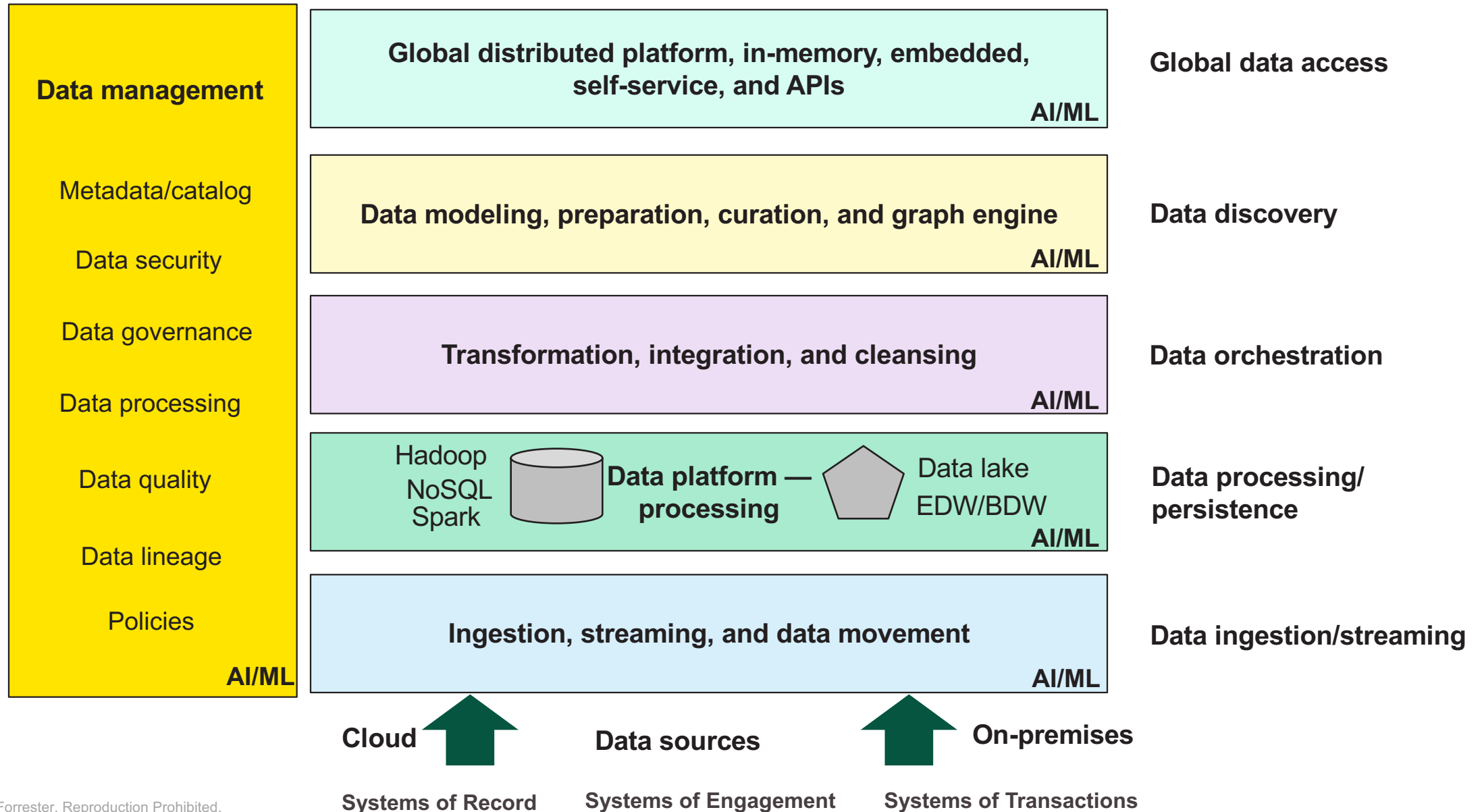


**Dynamic integration:** Brings together diverse sources to support customer scenarios quickly.

# Data Fabric – Delivers integrated, trusted and real-time view of business data ..



# Forrester's Data Fabric Reference Architecture



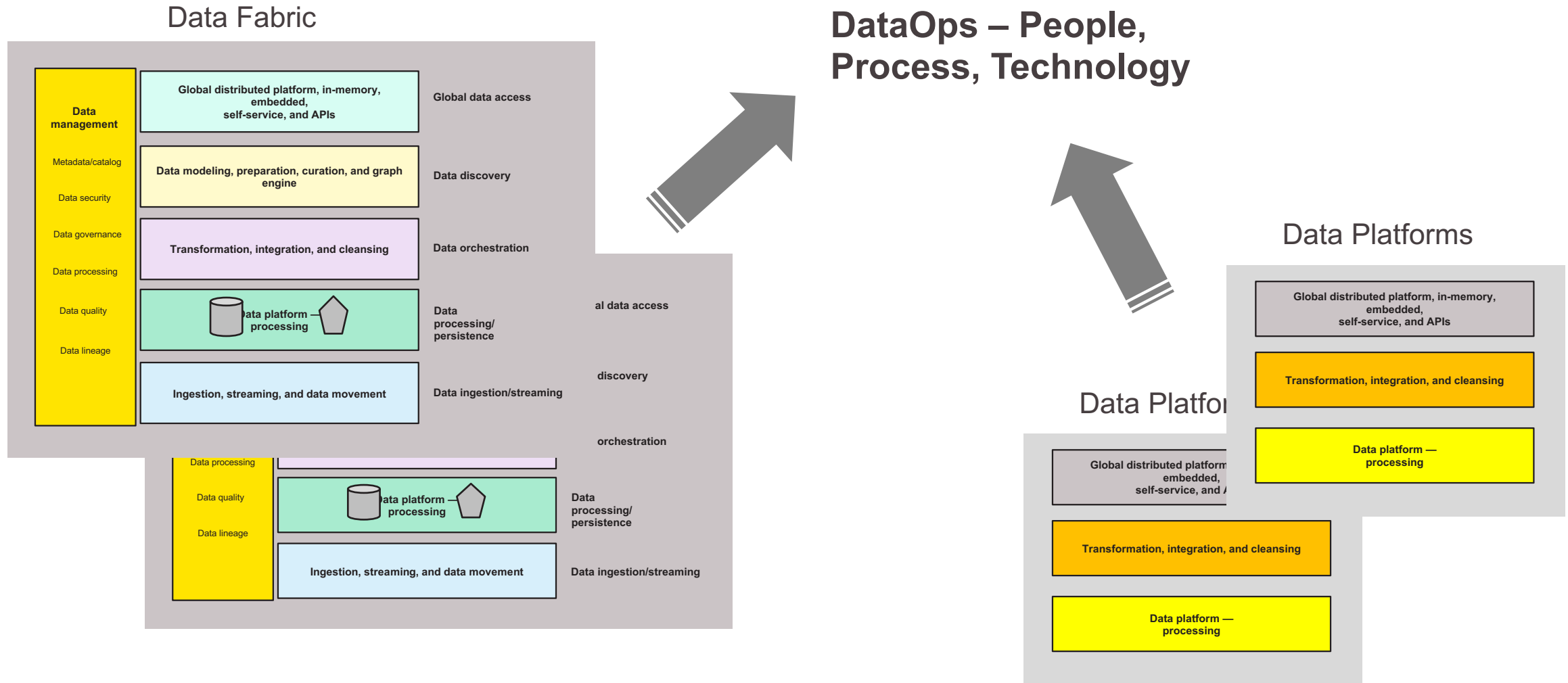
# FORRESTER

## DataOps

*“DataOps is people, process and technology that aims at making data available quickly, securely and in a timely manner to support multiple roles in an organization. DataOps focuses on end-to-end automation, self-service, integration and trusted data in close alignment with business objectives”.*

# DEFINITION

# DataFabric And Data Platforms Enables DataOps



# Typical use cases for data fabric

- Customer 360 — personalization
- Customer intelligence — for upsell/cross-sell, targeted marketing
- IoT Analytics
- Fraud detection
- Risk assessment analytics
- Healthcare-related analytics and insights
- Financial-services related analytics
- Insurance-related analytics
- Retail-related analytics



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# Recommendations

- **Accelerate business use cases** with a Data Fabric and DataOps strategy.
- Focus on new **real-time initiatives** which is the sweet spot for data fabric.
- **Create a data fabric team to succeed** – Enterprise architects, data architects, developers, data engineers, data security, business analysts.
- Keep **security in mind from start** when supporting various data sources especially when dealing with sensitive data.
- **Leverage data fabric** to automate integration, deliver self-service capabilities, support trusted and real-time customer data initiatives.

# Thank You.

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