

Navigating Your GRC Journey



MetricStream
GRC
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EUROPE

Convergence of “Big Data” and Data Governance, Risk & Compliance

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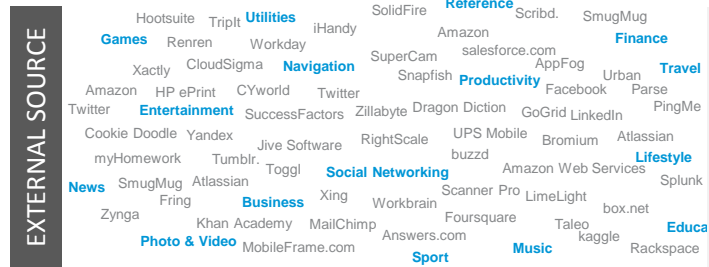
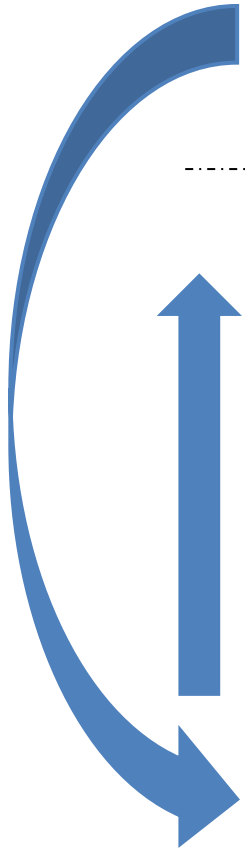


AGENDA

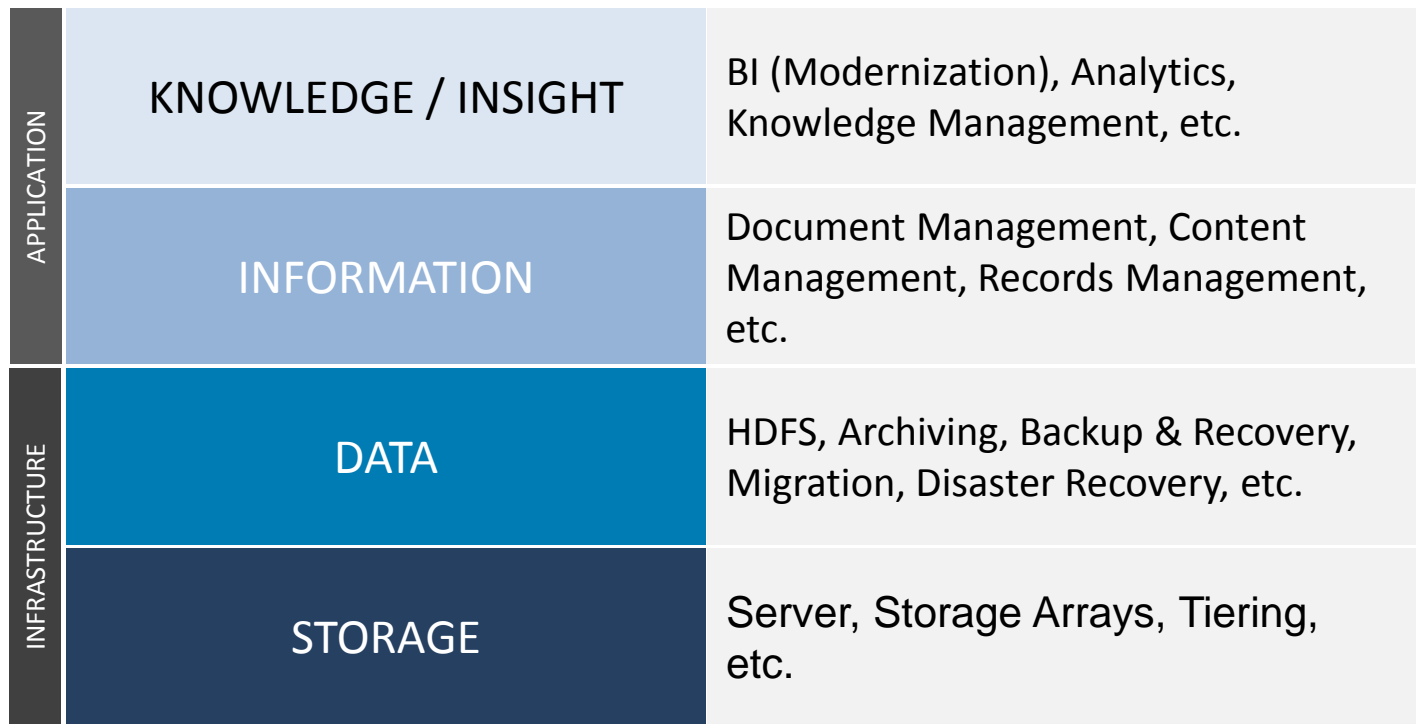
- **INTRODUCTION**
- **EXAMPLES OF GRC IN BIG DATA**
- **BREAKING IT DOWN – OUR FRAMEWORK**
- **QUESTIONS**

Introduction

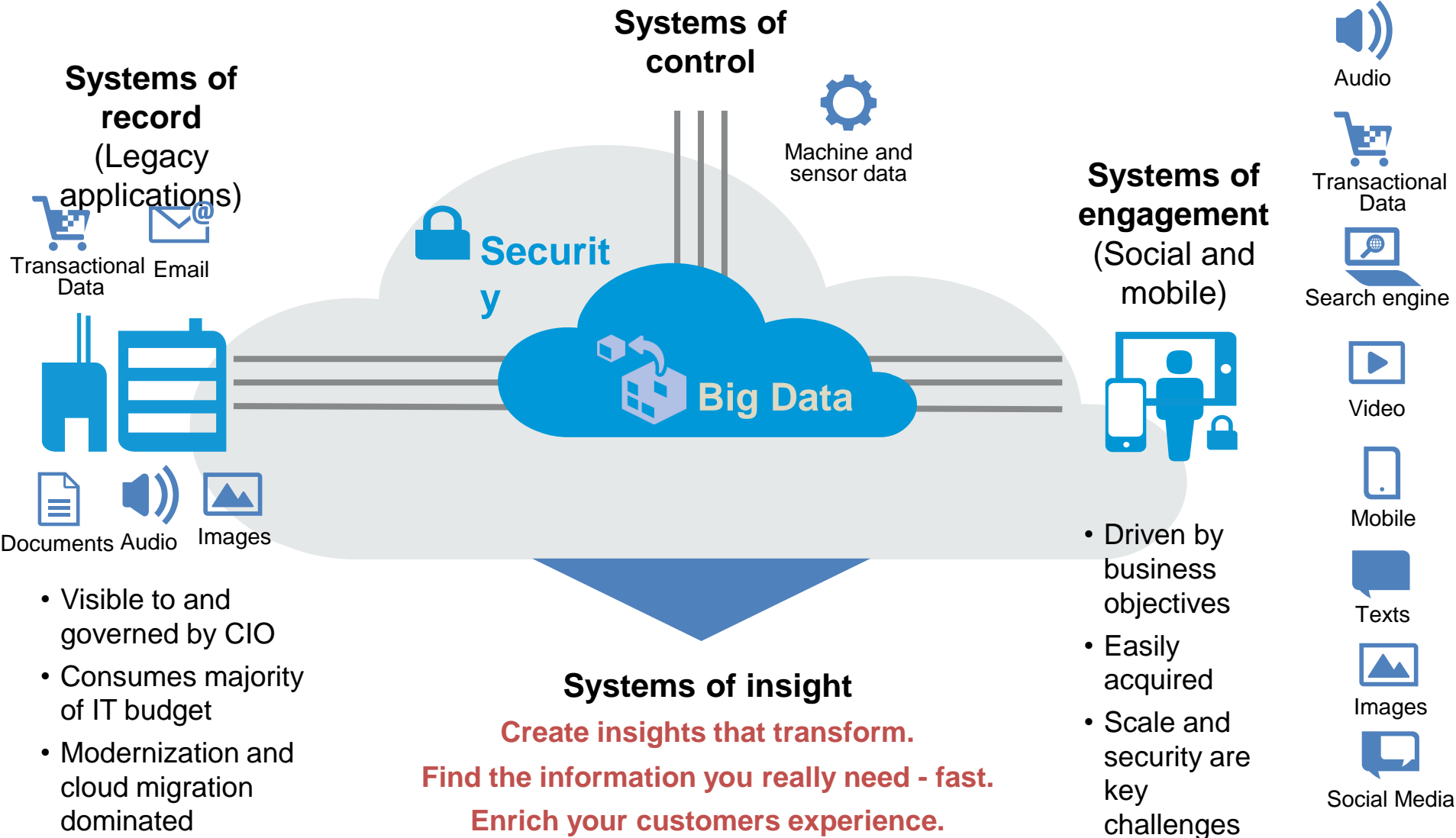
BIG DATA



Largely unmanaged, ungoverned, unused...



The Changing Face of Governed Data



A record is a **collection** of information

“As well as the content, the record should contain, or be persistently linked to,

or associated with, the metadata necessary to document a transaction, as follows:

...the structure of a record; the business context in which the record was created, received and used; the links between documents, held separately but combining to make up a record

•Source: ISO 15489-1: 2001 Section 7.2.1

Information Governance Definition

*“Information governance is defined as the **processes, policies, standards, organization, and technologies** required to manage and ensure the **availability, accountability, quality, consistency, auditability, and security** of information in an organization.”*

Machine Data

Business
Data

Human Information

Processes

Policy's

Standards

Organisation

Technology

Accessible

Context

Durable

Evidence

Quality

Reliable

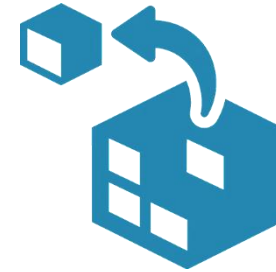
Retained

Secure

Why Data Governance for Big Data?



Traditional



Big Data

Flexibility

Self-Service

- Security
- Confidentiality
- Privacy
- Compliance

Speed

Agility

- Quality
- Trust
- Usability

Governance/Risk/Compliance of Sensor & Machine Data



- How is this data used?
- What business decisions are based on it?
- What were all the source data sets
- What elements need to be stored?
- For how long?

Social Media and its impact on Information Governance



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Governance, Ownership & Security of data in central hubs



- Who owns the data?
- How can it be used?
- Who has access?
- What are the compliance requirements around it?
- How do we maintain data lineage?

How do you Information Govern Organisational Big Data?



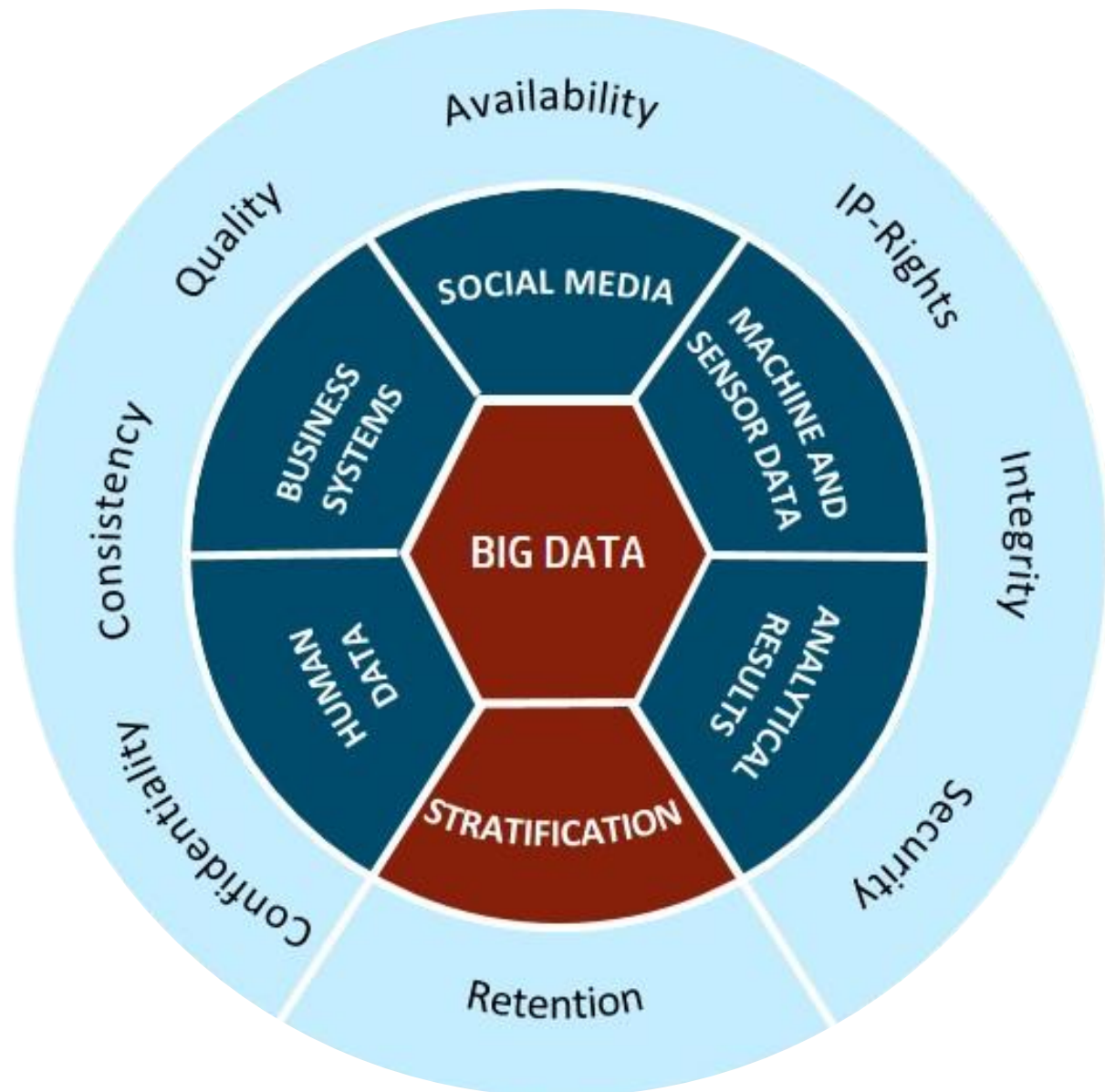
- Who owns the data?
- How can it be used?
- Who has access?
- How do we maintain data lineage?
- What is the business risk if not managed?



BREAKING IT DOWN - OUR FRAMEWORK

GOVERNANCE IN THE WORLD OF BIG DATA









THE 4 CORNERSTONES OF DATA GOVERNANCE

THE ORGANIZATION
STRATIFICATION
POLICIES & PROCESSES
ENABLING ARCHITECTURE



Data Governance- The Organisation

How you organise your governance, risk and compliance approach



Strategy &
Plan

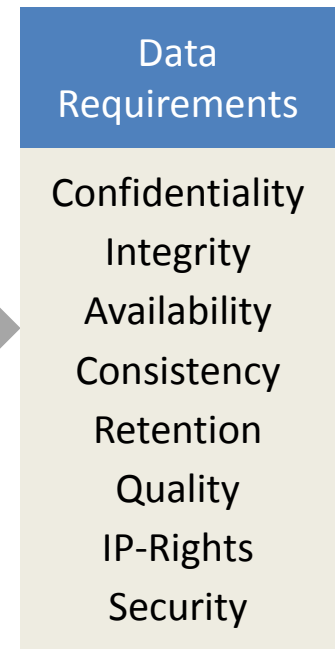
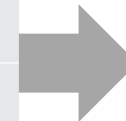
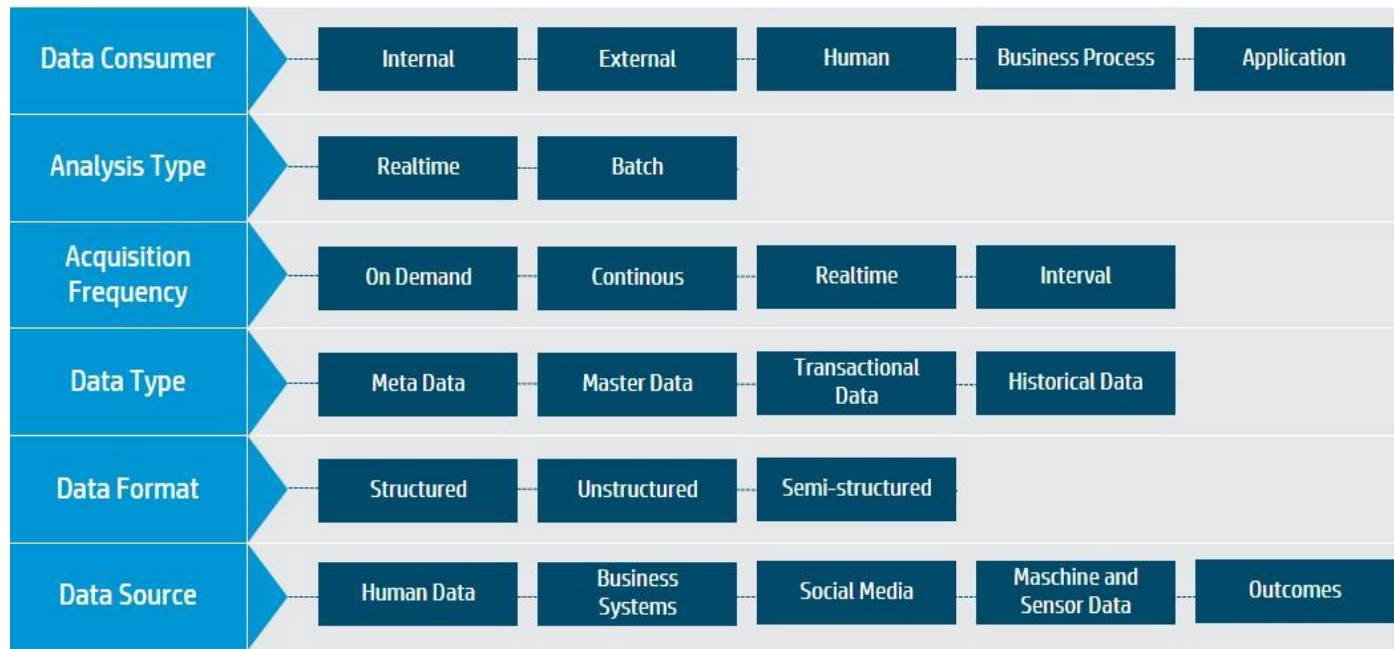
Pilot

Implement

Stratification Building Blocks

How you stratify and classify your data

The Business Context can be categorized and aligned to the data sources. This will help to determine the appropriate classification method (atomic or composite).



Policies & Processes

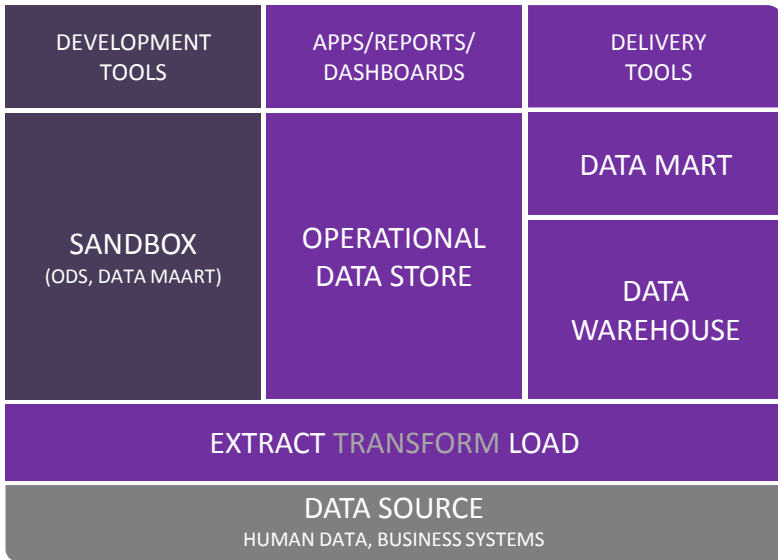
The policies & processes to be adopted and managed



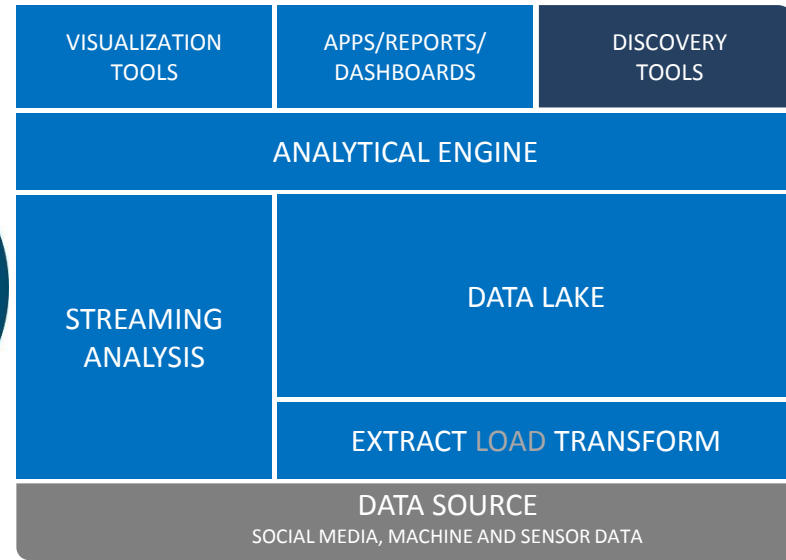
Policy & Process Category	Confidentiality	Consistency Quality	Availability IP-Rights	Integrity Security	Retention
Define & Approve	Process defines how the criteria and gradings for the policy will be identified, developed and approved				
Implement, Enforce, Automate	How and with what Policies will be applied, including area of application				
Monitor & Validate	Adherence to Policies and Processes, continuous improvements				
Communication & Education	Enablement and Training				

Enabling Architecture - Hybrid DM

The new world in which you will be governing new types of data



TRADITIONAL BI



HYBRID BI

Questions?



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Thank You