



Collibra

Data Governance Software

Business Data Authority:

A data organization for strategic advantage

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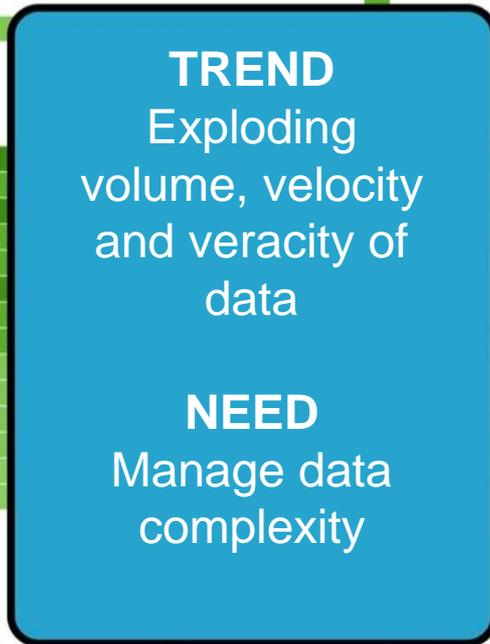
Data Governance
Software
Company

Reference Customers

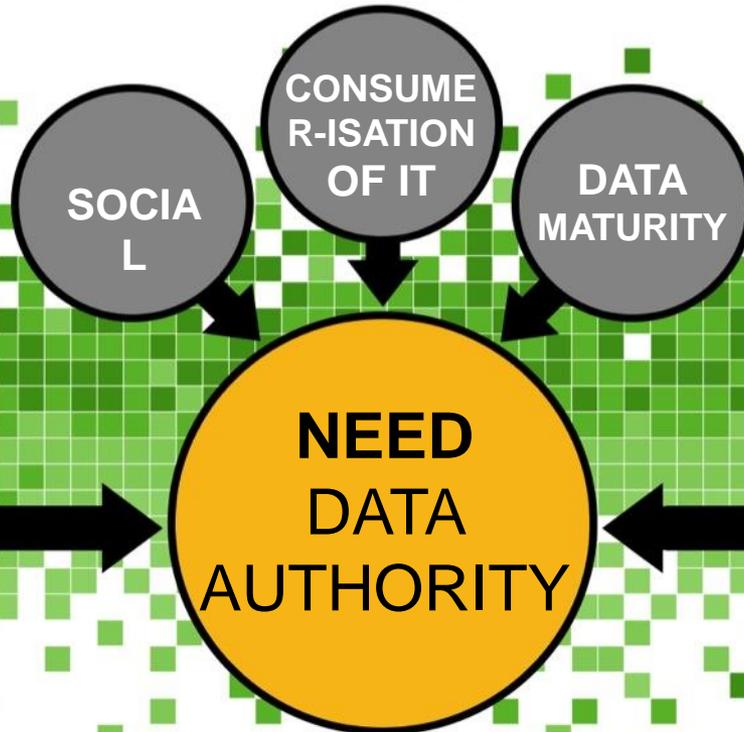


Business Data Growth and Challenge

DATA INFRASTRUCTURE (IT)



TRENDS



DATA CONSUMERS (BUSINESS)



Business data is growing in scale, complexity and velocity as companies strive to gain access to more diverse data sets that span cloud services, social technologies and mobile devices



The IT / Business Struggle



IT TEAM



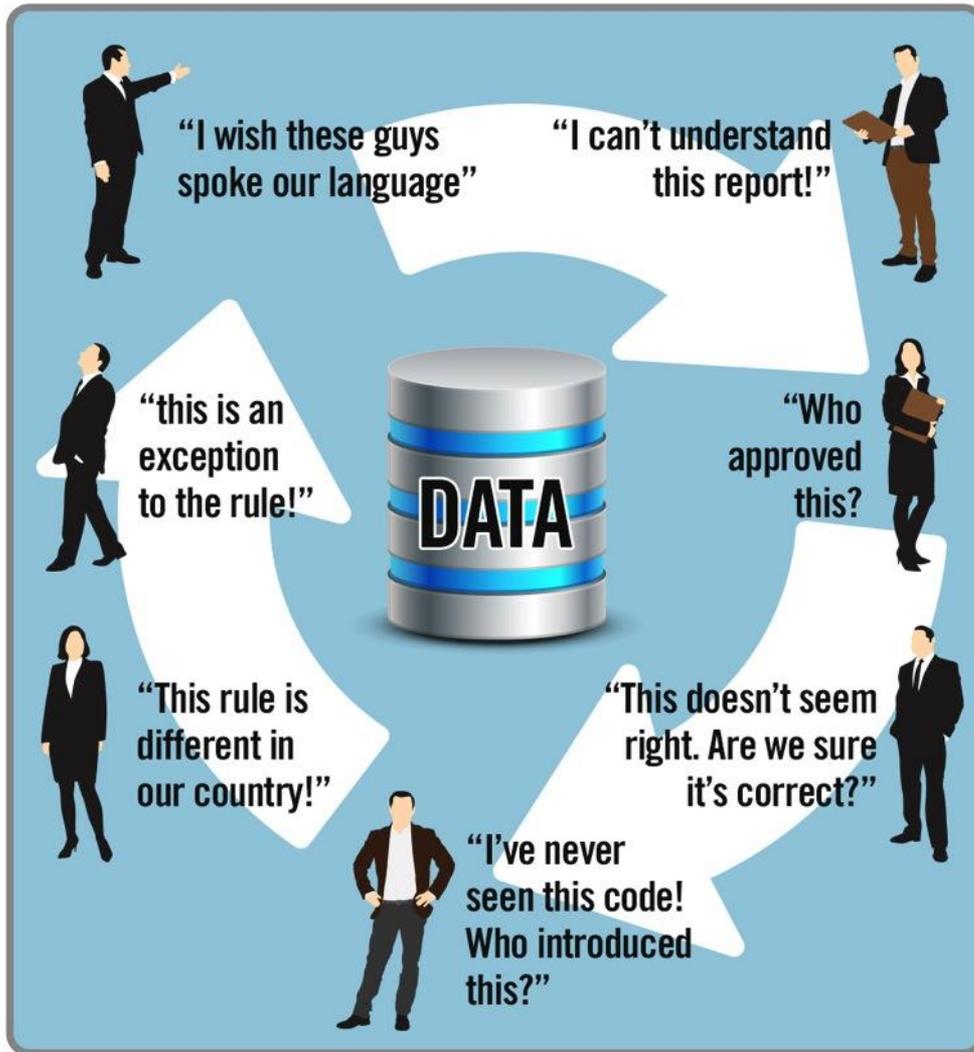
DATA



BUSINESS TEAM



Data Utility - The Problem



Need for greater agility and utility of business data

- ✓ Requires appropriate ownership and control
- ✓ Avoid pitfalls of reactive practices that limit scope and purpose of data

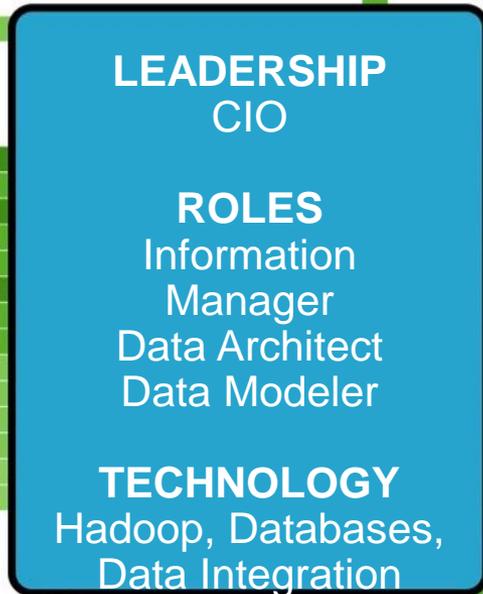
Need to identify and trust the right data assets

- ✓ Insights derived from data are often nuanced in shades of grey, not black or white.
- ✓ Once the data is embraced, it becomes clear that it's not a simple proposition because the data itself lacks contextual pointers.



Business Data Authority

DATA INFRASTRUCTURE (IT)



DATA AUTHORITY



DATA CONSUMERS (BUSINESS)



Business Data Authority: Data Governance & Stewardship provide the right level of *control* and *trust* in data.



Data Stewards

LEADERSHIP

Chief Data Officer

ROLES

Data Governance Manager
Data Steward

TECHNOLOGY

Data Stewardship Platform

Data Stewards enable the process of data management.

- Managing the business glossary
- curating reference data
- handling classifications, taxonomies and hierarchies
- setting up policies and rules
- measuring compliance
- monitoring quality and resolving issues
- facilitating data sharing



The Data Governance Center Tool



DATA GOVERNANCE CENTER
provides business value by



Making data governance and stewardship practical, collaborative, and automated



Facilitating and promoting usage and adoption, particularly among business users



Smoothly blending in with the landscape of surrounding tools and techniques



Focusing on time-to-value and reduced total cost of ownership



Case Study:

Enabling Data Governance with the Project Lifecycle

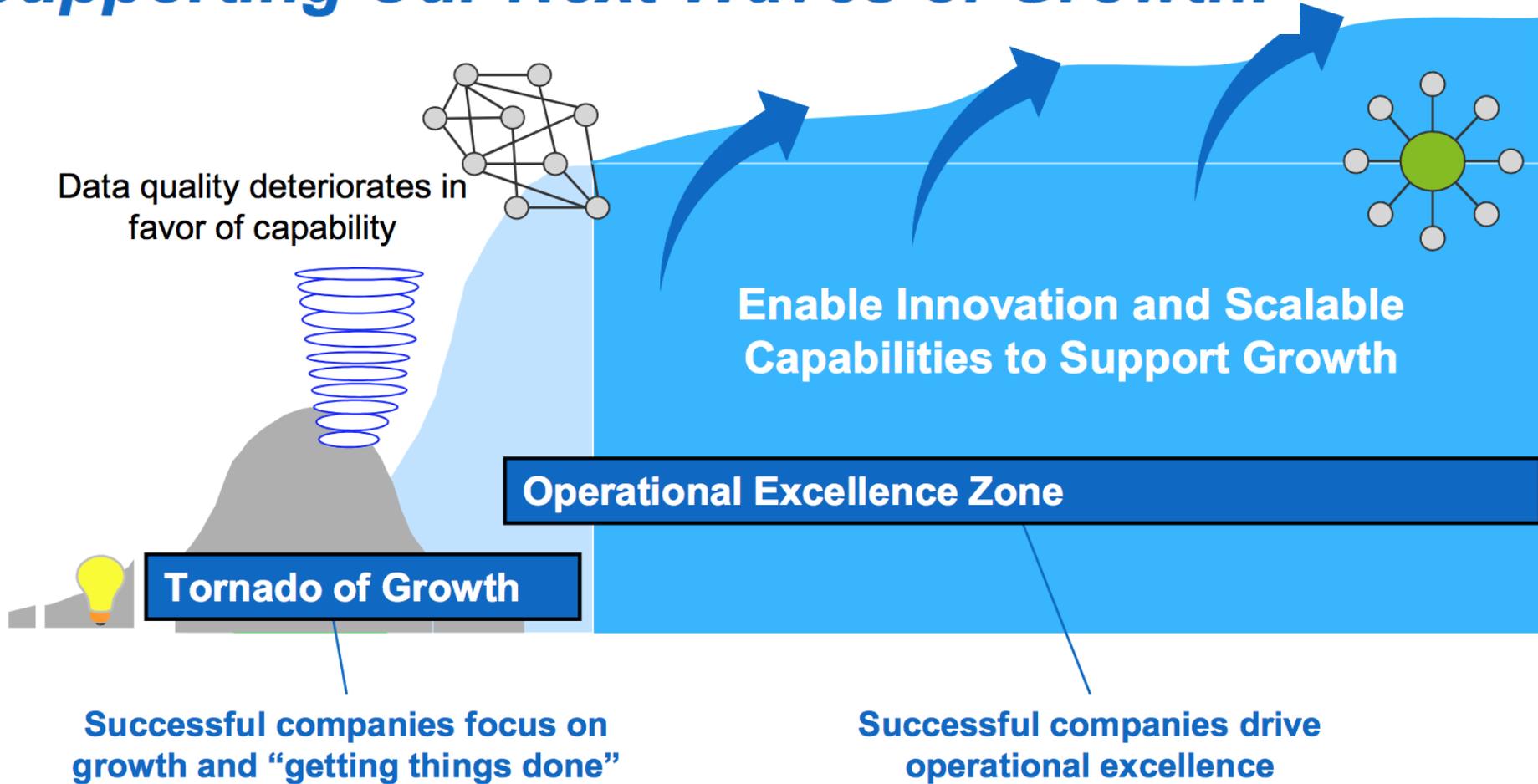


Enterprise Data Management

Why now?



Supporting Our Next Waves of Growth!



Source: Geoffrey A. Moore from the book *Dealing with Darwin* (2005)

DG Focus During Program Year 1



Defining and implementing a framework to guide execution of enterprise Data Governance.

■ Data Definitions

- NetApp Business Glossary
- Data Communities and Domains
- Definition Approval Lifecycle



■ Data Ownership

- NetApp Business Glossary
- Roles and Responsibilities
- Executive Owners, Stewards, and Stakeholders
- Exception Review Process
- Data Governance Councils



■ Data Quality

- Metrics Framework
- Closed Loop Corrective Action
- Project Lifecycle Best Practices



NetApp Business Glossary
Community and Domain Grouping

69 domains including 2300+ definitions and 1400 acronyms

Acronyms Corporate Product	Customer Support AutoSupport Customer Support Installed Base NetAppU Professional Services Service Parts Software Licensing & Entitlement Support & Warranty Offerings	Marketing Campaigns & Leads Contact Demand Generation Globalization Integrated Marketing Solutions & Initiatives	Sales Commissions CRM Business Opportunity Sales Booking Forecast Sales Territory Hierarchy US-Public Sector - USPS
Company Account Competitors Partners	Corporate Services Attendance Worker Business Applications Data Privacy Employee Information Legal Payroll Records Mgmt Risk Mgmt Safety & Stock VPRP	Data Governance Governance & Stewardship Standard Data Classifications	Supply Chain Demand Planning Inventory Logistics and Shipments Manufacturing Procurement

	Data Steward	Stakeholder	Executive Owner	Chief Steward
Operational	Operational point of accountability for terms and data definitions. The steward represents the Owner and Stakeholders.	Has vested interest in terms and definitions. Reviews and approves terms and definitions impacting their business area.	The highest point of accountability for terms and data definitions. Represents business function and stakeholder objectives.	Provides enterprise coordination for data governance activities across NetApp.
Propose	Propose, document and facilitate consensus on term definitions and business rules.	Represent functional area perspective during term definition review and approval process.	Assign accountable Data Stewards	Represent Data Governance enterprise wide view during term definition review and approval process.
Ensure	Ensure both creator and consumer stakeholders review and approve relevant definitions and business rules. Data quality standards and metrics? Map end-to-end data flow?	Participate in stakeholder review sessions led by Data Steward	Participate in stakeholder review and approval process. Make timely decisions on escalated data issues	
Get	Get stakeholder approval for well defined set of terms representing domain. Identify and resolve data issues that cross apply	Ability to collaborate with other stewards to approve terms and communicate impact within	Ownership for functional area of domain with ability to make	Enterprise view of data. Able to drive reconciliation of difficult, cross-functional data
Submit	Submit terms for app & Owner after term documented			
Participate	Participate in Project (projects) to ensure defin			



Objectives of EDM Project Lifecycle Integration



Data Governance

Ensuring project alignment to data governance strategies.

Deliverables and Steps:

- Data Requirements
- Data Definitions and Ownership
- Stakeholder Approvals
- Definitions in NetApp Business Glossary

Data Quality

Ensuring that the project has a high level of confidence in data quality before go live.

Deliverables and Steps:

- Data Quality Assessment
- Data Quality Strategy
- Data Quality Work Plan
- Data Integration / Conversion Design
- Data Integration / Conversion Execution Summary

Data Architecture

Ensuring project alignment to data architecture strategies.

Deliverables and Steps:

- EA Checklist
- Conceptual Solution Architecture
- Detailed Solution Architecture

Compliance

Ensuring that NetApp complies with data controls.

Deliverables and Steps:

- Privacy Impact Assessment
- Data Elements Matrix
- User Profile Matrix



EDM Project Lifecycle Integration Framework



Project lifecycle phases and checkpoints →

Concept Commit

Execute Commit

	Request Lifecycle	Plan	Design	Build	Test	Transition & Close
Data Governance		<ul style="list-style-type: none"> Data Definitions and Ownership Data requirements (part of BRD) 	<ul style="list-style-type: none"> Obtain Stakeholder Approvals 	<ul style="list-style-type: none"> Add Definitions to NetApp Business Glossary Track Data Gov. Issues and Resolutions 		
Data Quality		<ul style="list-style-type: none"> Data Quality Assessment Data Quality Strategy Data Quality Work Plan 	<ul style="list-style-type: none"> Data Integration / Conversion Design (as part of Technical Design) 	<ul style="list-style-type: none"> Data Quality Operational Process and Support Plan 	<ul style="list-style-type: none"> User Acceptance of Data Quality (Metrics, Questionnaire) Data Integration / Conversion Execution Summary 	
Data Architecture	<ul style="list-style-type: none"> Enterprise Architecture Alignment Checklist Conceptual Solution Architecture 	<ul style="list-style-type: none"> Detailed Solution Architecture 	<ul style="list-style-type: none"> Logical Data Model and Physical Database Design (part of Technical Design) 	<ul style="list-style-type: none"> Incorporate project Solution Architecture into Enterprise Architecture Diagrams 		
Compliance		<ul style="list-style-type: none"> Preliminary Privacy Impact Assessment (PIA) (if required) 	<ul style="list-style-type: none"> Data Elements Matrix (if required) User Profile Matrix (if required) 			



Data Governance Center



Data Governance
Center

“Deploys 20 times faster than anything else we have tried before”.

Information Architect at large financial services organisation

- **Business friendly, collaborative web-based application**
- **Fastest time to deployment**
- **Out of the box & fully configurable operating model (roles, workflows, metrics, federation, ...)**
- **Governance engine with detailed & open API**



Applying Data Governance

Load Your Operating Model

Organization Set-up DG Council, Stewardship Committee and Working Groups Multi-Tier Organization Support: Centralized, Decentralized or Federated	People & Processes Roles, Responsibilities & Controls Data Ownership Workflows & Common Processes SME Outreach Collaboration	Asset Types Business and Data Definitions Taxonomies Reference Data Rules and Policies Business Traceability
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Execute

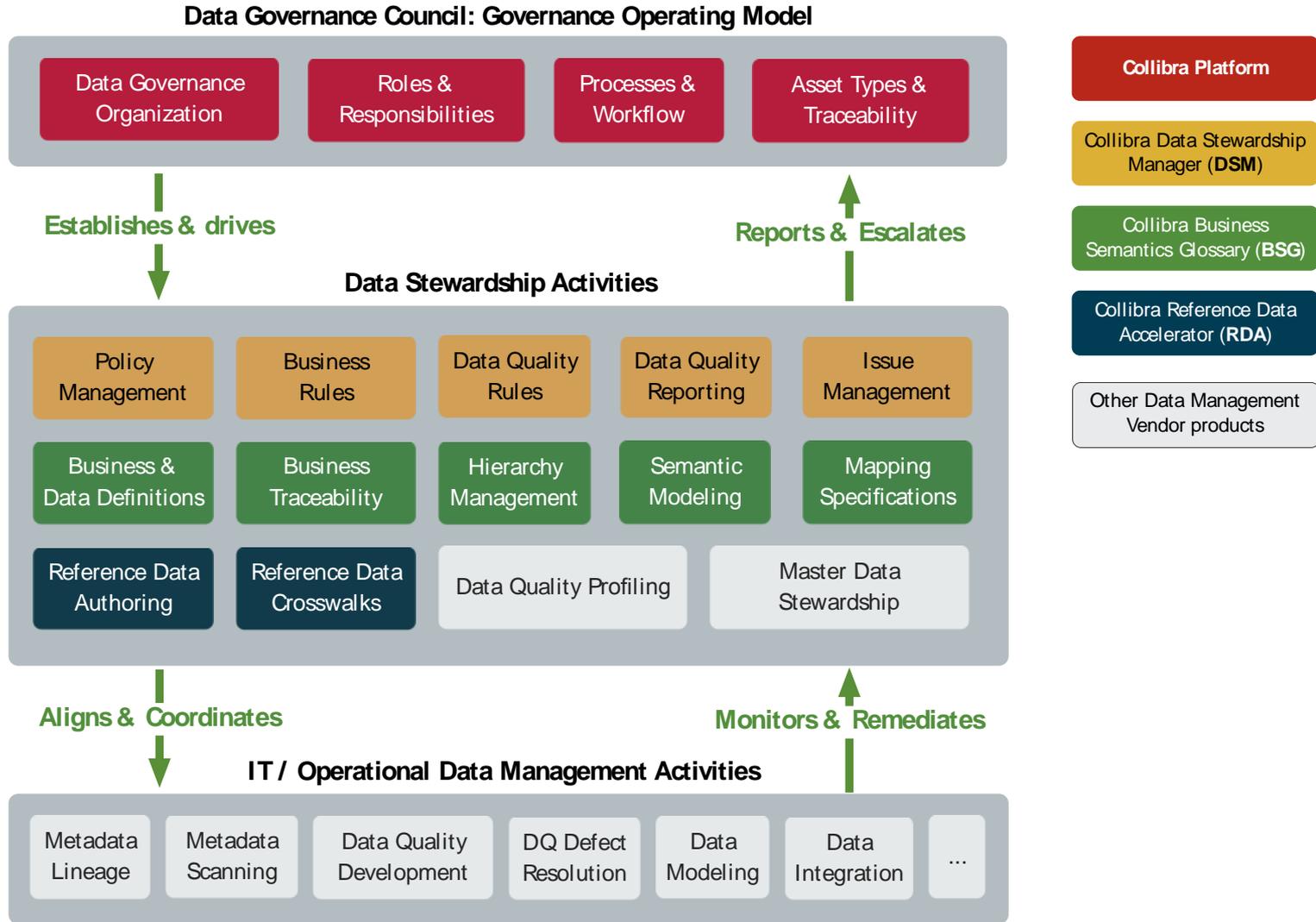
 Reference Data Management	 Business Glossary Data Dictionary	 Policy Management Issue Management
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Monitor

Actionable Metrics Make Good Conduct Visible		Measure Maturity Progress Data Quality Issue Management
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Data Governance Center Demo





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Questions & Feedback?