Business benefits of good governance









WEBSTEP









2023



DATAmasterminds









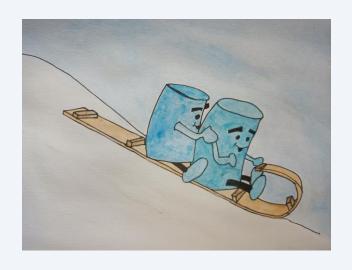
Cloudberries







About me Community









Data, Data, Data



DATA STRATEGY | DATA GOVERNANCE

VIRTUAL CDO | DATA QUALITY |

DATA ARCHITECTURE | RESEARCHER

Agenda

What is data governance Why data governance Frameworks The changing place of data governance **Microsoft Purview**

What is Data Governance



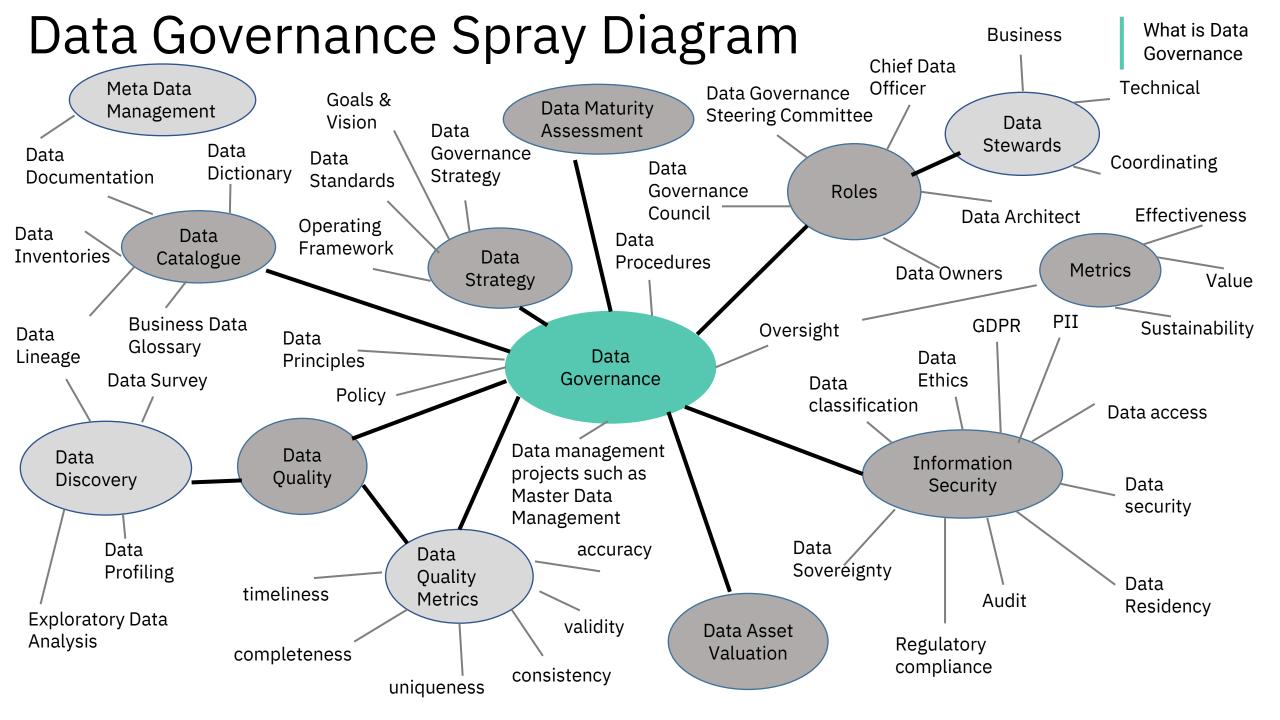
Data Governance defined

The DAMA Dictionary of Data Management defines Data Governance as

"The exercise of authority, control and shared decision making (planning, monitoring and enforcement) over the management of data assets"



Source: DAMA Management Body of Knowledge V2(DMBOK2)



Data Issues

Strategy and Oversight

- Lacking/ missing operating models for strategy and data governance
- Lack of KPIs for the leadership team showing the state of business data
- Fragmented data estate
- Poor data quality
- Difficulty tracking end-to-end data lineage for change and troubleshooting
- Data is not classified to meet regulatory standard

Technical

Culture and Value

- Don't understand value of data
- Don't know where to start
- Poor data culture in business
- Often a technical delivery team which is not engaged with the business
- Lack of ownership of data
- Data Stewards not defined

Ownership



Why Data Governance

Data Governance Business Drivers

WH Smith targeted by cyber attack with hackers accessing data on current and former employees

The high street retailer says its website, customer accounts and customer databases are on unaffected separate systems and an investigation has been launched into the incident.

Thursday 2 March 2028 11:18, UK



USS/ Capita data breach: information for staff

Posted on 16 May 2023

If you are or have been a member of the USS Pension Scheme then you may have received an email over the weekend regarding a data breach at their supplier, Capita.

The data breach has been in the media for some time, however USS were informed on 11 May that a datafile containing 470,000 active, deferred and retired members from across the HE sector, had been compromised.

Electoral Commission apologises for security breach involving UK voters' data

Names and addresses of 40 million registered voters were accessible as far back as 2021 after cyber-attack



The Electoral Commission said it was 'not able to know conclusively' what information had been accessed. Photograph: John Keeble/Getty Images

Confidence in the UK's electoral regulator has been thrown into question after it emerged a hostile cyber-attack accessing the data of 40 million voters went undetected for a year and the public was not told for another 10 months.

PSNI: Major data breach identifies thousands of officers and civilian staff

@ 9 hours ago





Watch: PSNI briefs media after major data breach

By Julian O'Neill

BBC News NI home affairs correspondent

The Police Service of Northern Ireland (PSNI) has apologised for mistakenly revealing details of all its 10,000 staff.

Business benefits of Data Governance





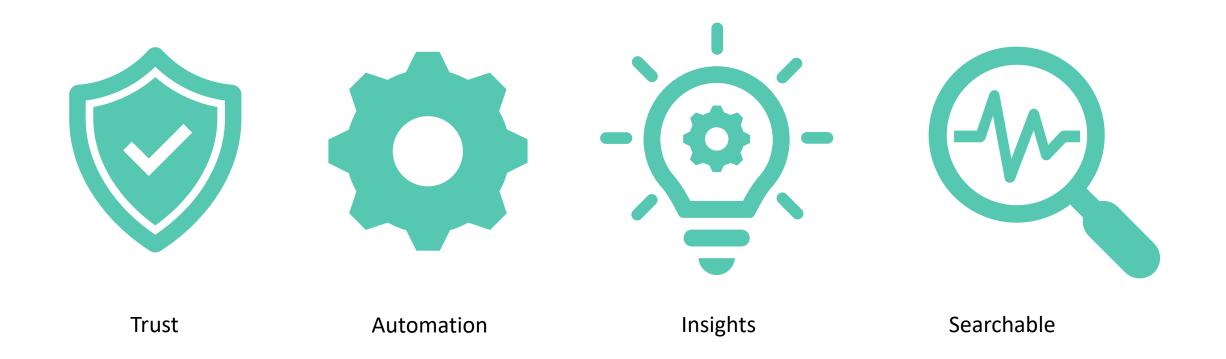








Technical benefits of data governance



Importance of Data Governance

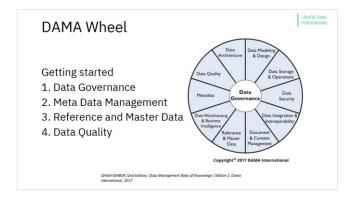
- Multifaceted data
- Data is everywhere
- It is an enabler
- It drives success
- It enables innovation

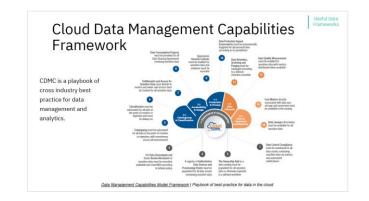


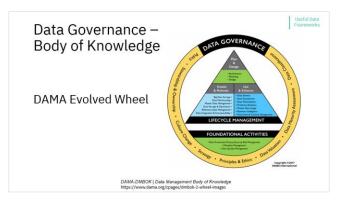
Useful Data Frameworks

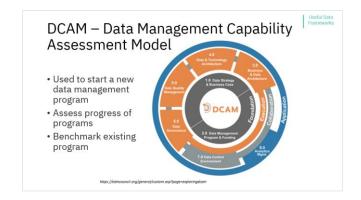


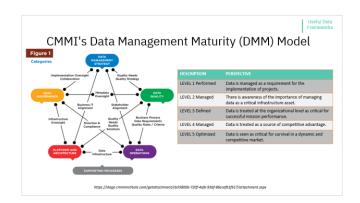
Frameworks

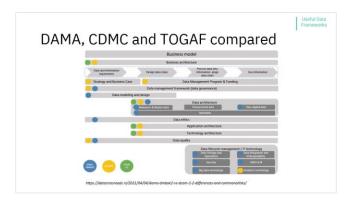








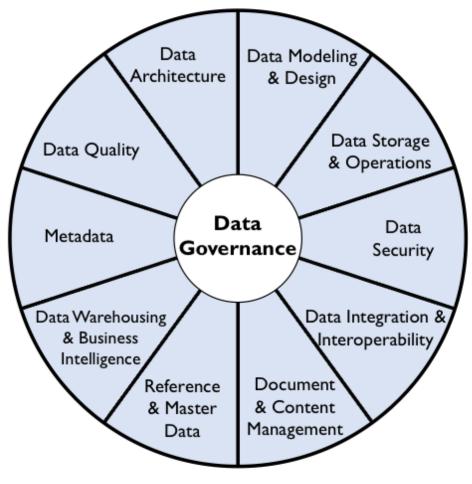




DAMA Wheel

Getting started

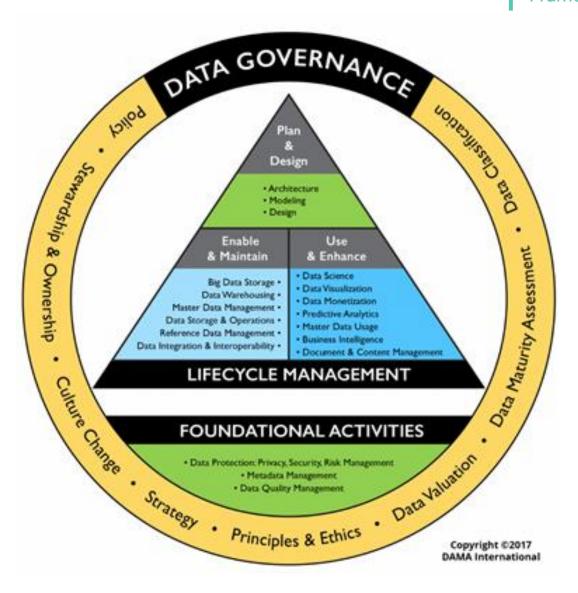
- 1. Data Governance
- 2. Meta Data Management
- 3. Reference and Master Data
- 4. Data Quality



Copyright[©] 2017 DAMA International

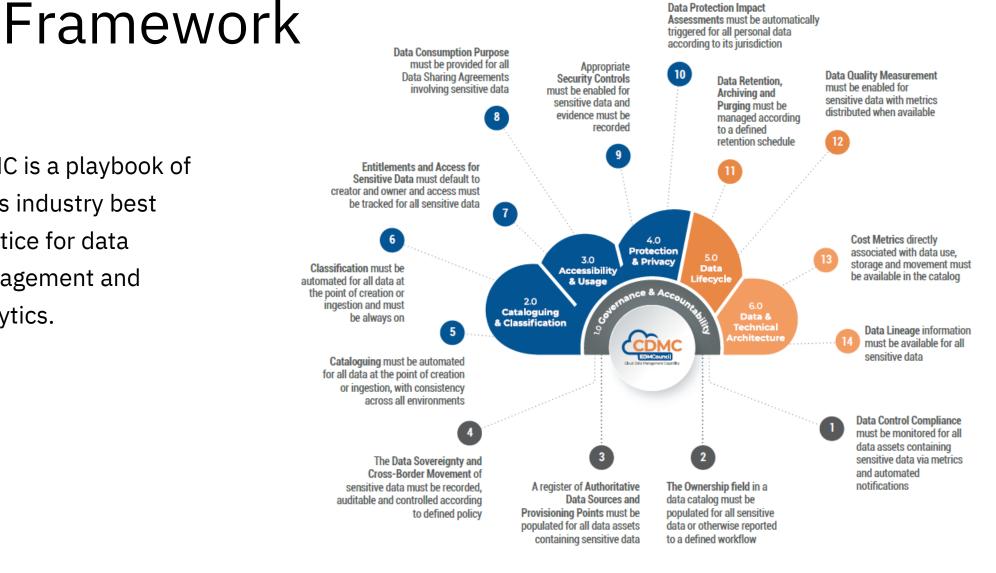
Data Governance – Body of Knowledge

DAMA Evolved Wheel



Cloud Data Management Capabilities

CDMC is a playbook of cross industry best practice for data management and analytics.

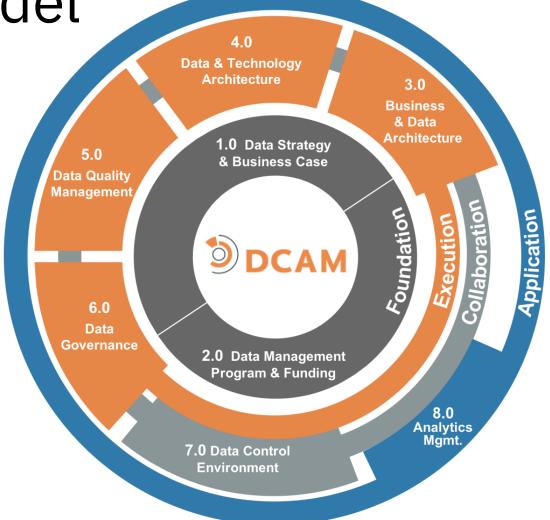


Data Protection Impact

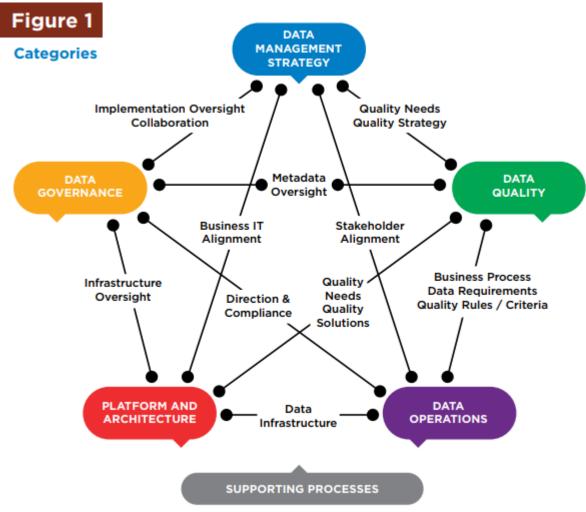
DCAM – Data Management Capability

Assessment Model

- Used to start a new data management program
- Assess progress of programs
- Benchmark existing program

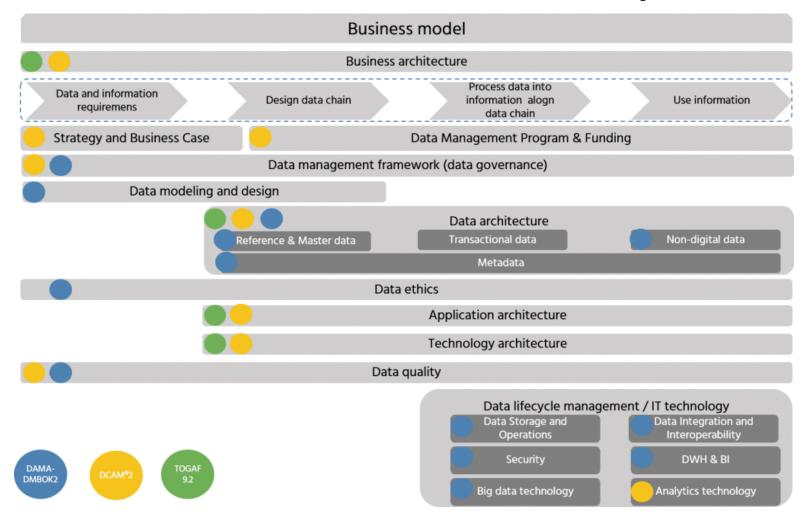


CMMI's Data Management Maturity (DMM) Model



DESCRIPTION	PERSPECTIVE	
LEVEL 1 Performed	Data is managed as a requirement for the implementation of projects.	
LEVEL 2 Managed	There is awareness of the importance of managing data as a critical infrastructure asset.	
LEVEL 3 Defined	Data is treated at the organizational level as critical for successful mission performance.	
LEVEL 4 Managed	Data is treated as a source of competitive advantage.	
LEVEL 5 Optimized	Data is seen as critical for survival in a dynamic and competitive market.	

DAMA, CDMC and TOGAF compared

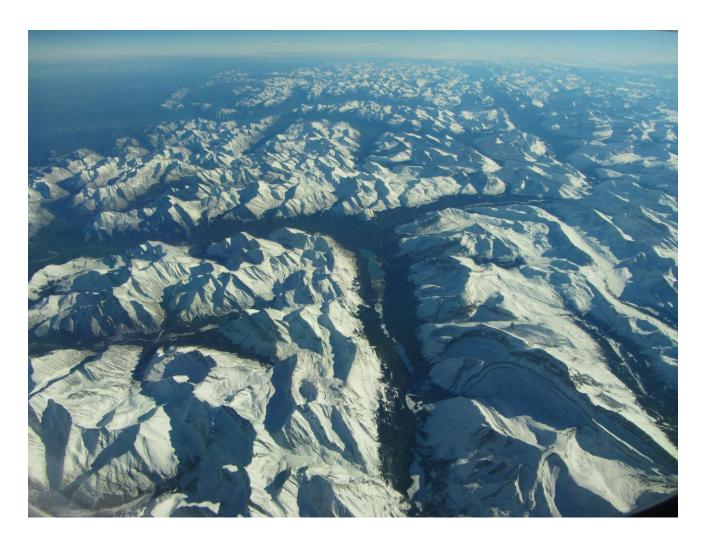


The changing place of data governance



Data Governance can change our world

- Data Erudition
- Quality Data
- Systems Mindset
- CODEX (Control of Data Expediently)

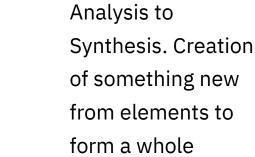


Systems Mindset





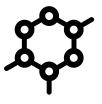
A System does something



Synthesis – From



from silos. An entity is observed to have properties, behaviours the parts do not have individually.



Holism



Interconnectedness



World View



Feedback loops – reinforcing and balancing





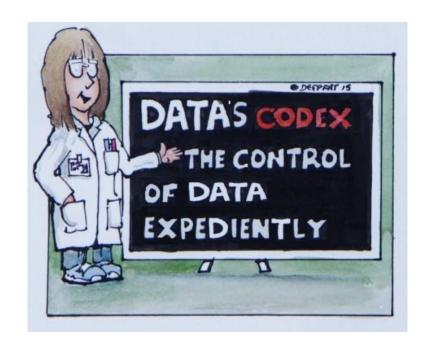


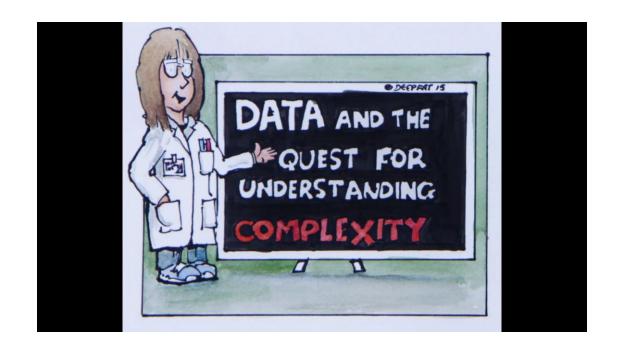
Communication



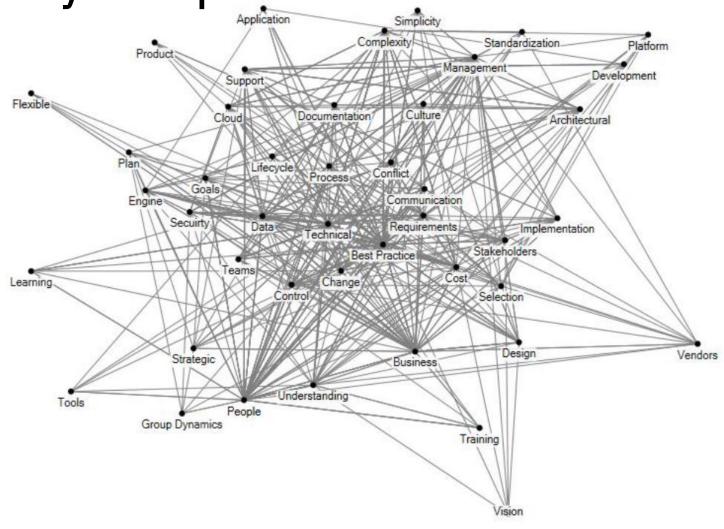


Introduction to the Codex



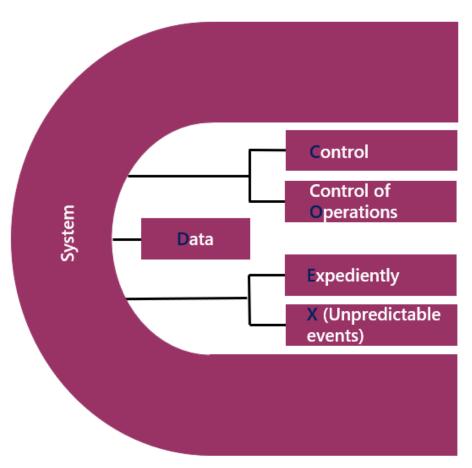


Complexity Graph

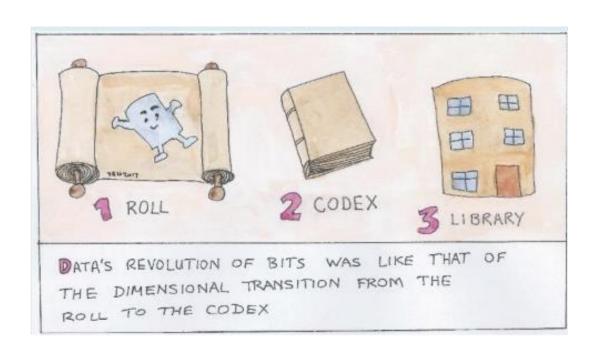


Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

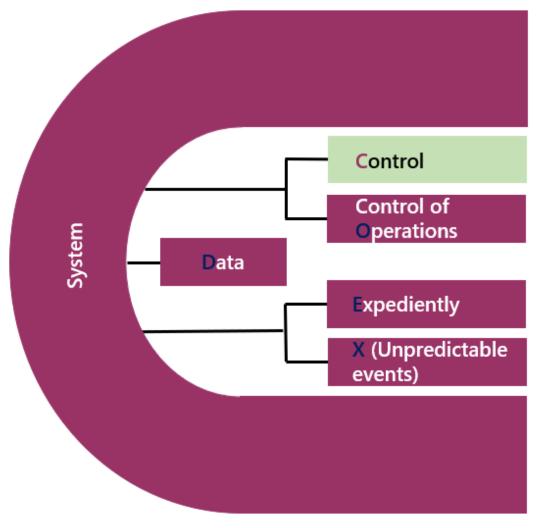
CODEX (Control of Data Expediently)



Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

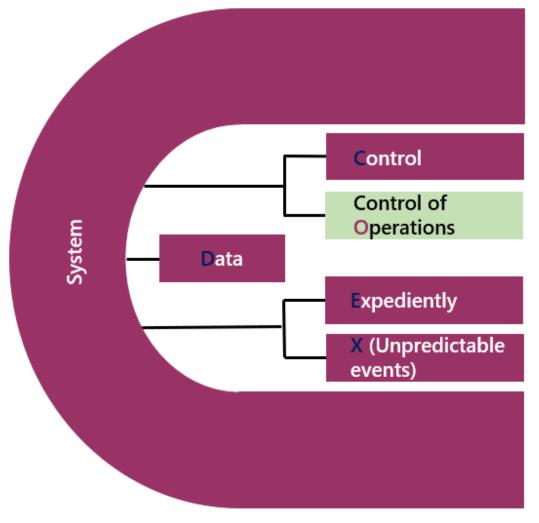


CODEX | Control



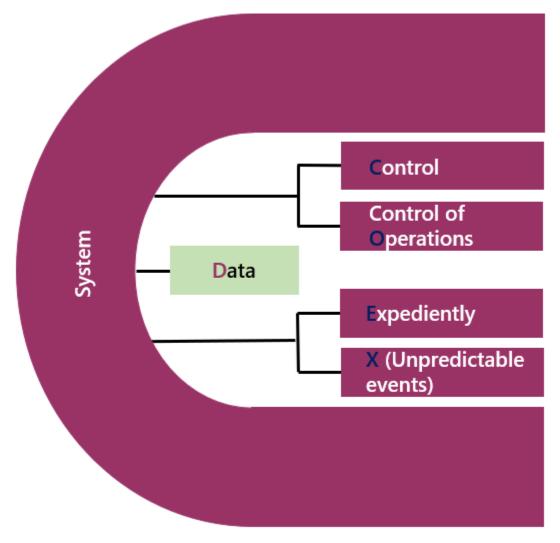
Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

CODEX | Control of Operations



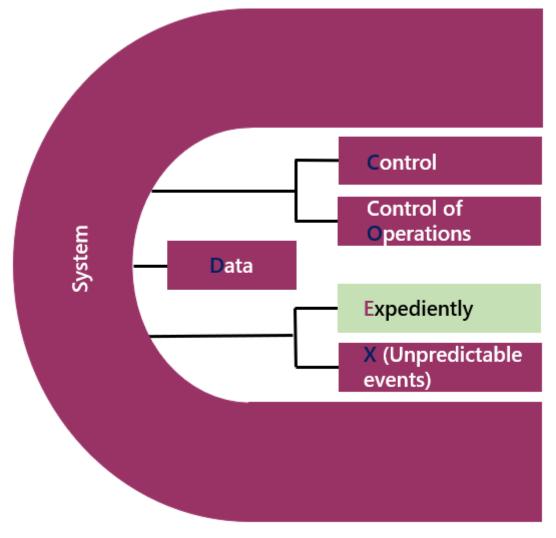
Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

CODEX | Data



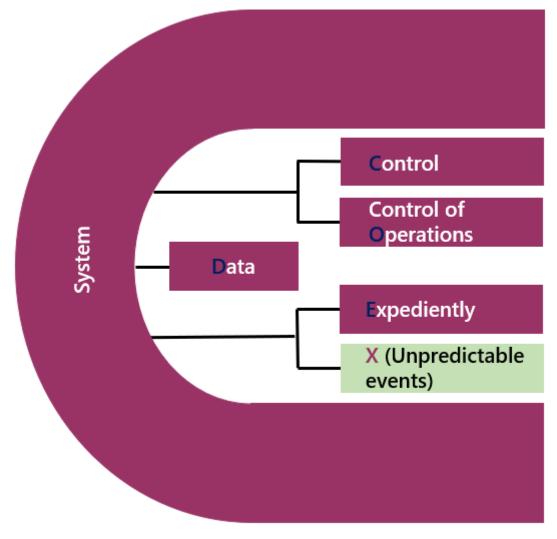
Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

CODEX | Expediently



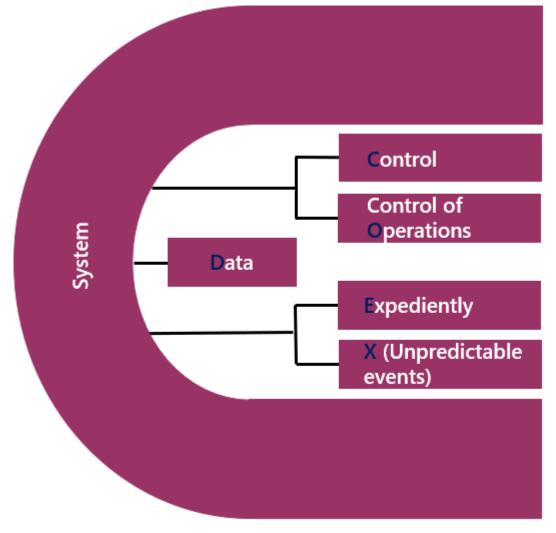
Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

CODEX |X (Unpredictable events)



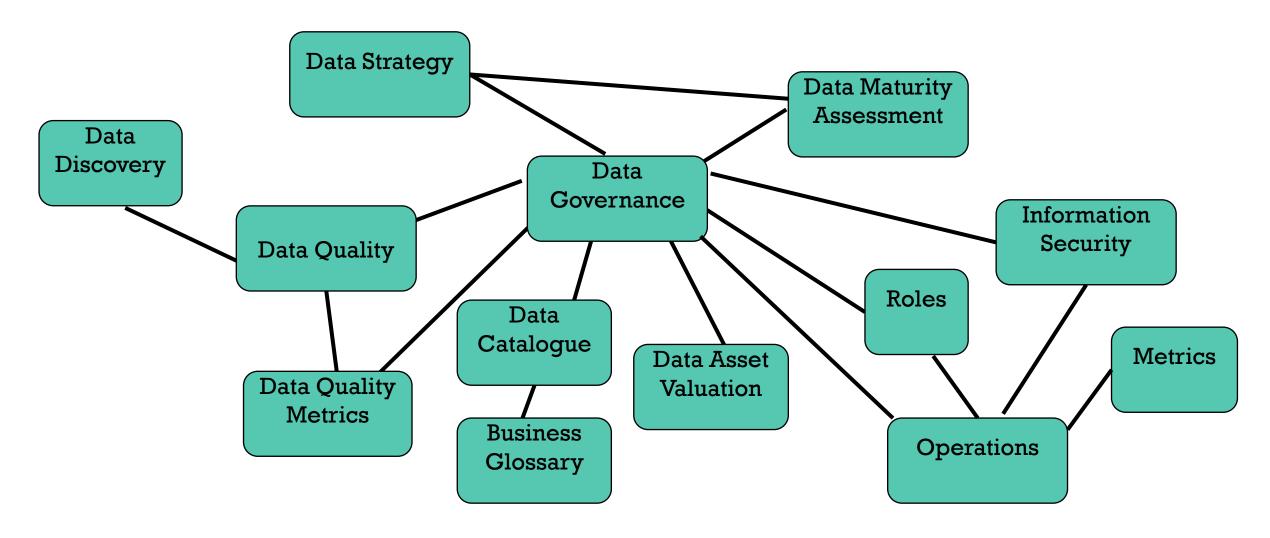
Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

Applying the CODEX



Holt, Victoria (2017). A Study into Best Practices and Procedures used in the Management of Database Systems. PhD thesis The Open University

No business is the same



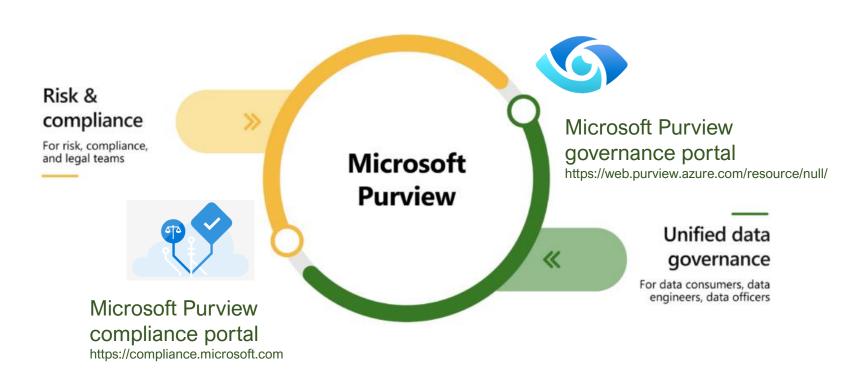
Get started with simple Agile steps

1	Business leadership buy in	6	Be aware of frameworks, use the relevant parts and customize
2	Carry out a data maturity assessment	7	Assign Data Owner and Stewards
3	Define use cases	8	Collate a Business Glossary – by actionable use case
4	Value versus Effort assessment to select use case	9	Review use of metadata in Data Catalogue
5	Use the CODEX to drive holistic thinking in the business	10	Think about automation using a tool such as Microsoft Purview

Microsoft Purview

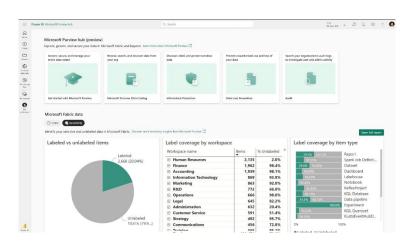


Microsoft Purview Portals



Microsoft Purview hub (preview)

Microsoft Purview hub is a centralized page in Fabric that helps Fabric administrators manage and govern their Fabric data estate. Automatically created. Merges some items from each of the portals on the left.



https://www.microsoft.com/security/blog/2022/04/19/the-future-of-compliance-and-data-governance-is-here-introducing-microsoft-purview/

The New Purview Portal https://purview.microsoft.com

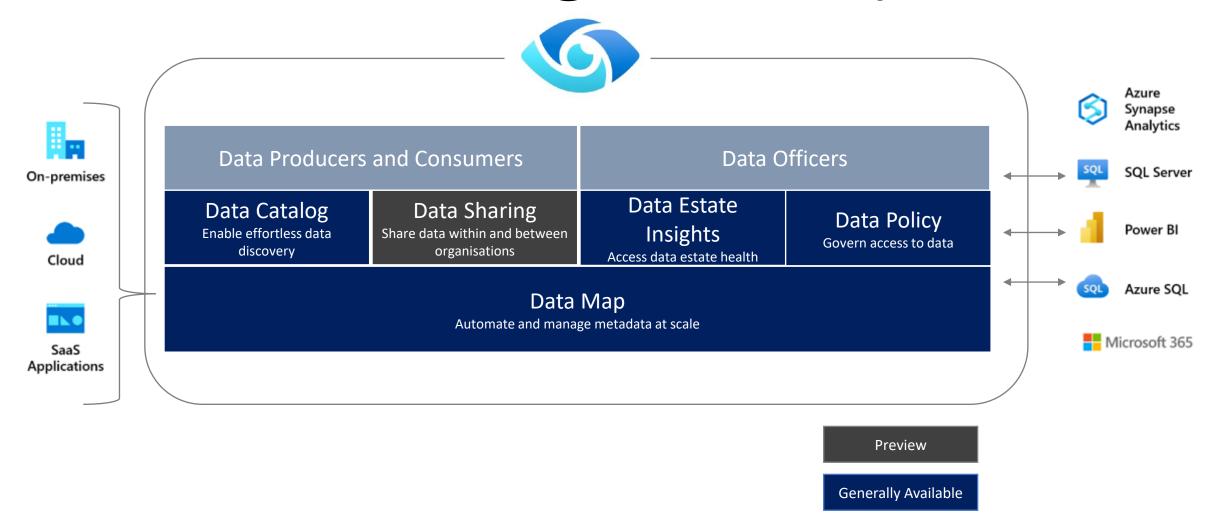
The New Microsoft Purview Portal

Business benefit: To understand what data you have, to ensure the decisions being made, are based on good quality data.

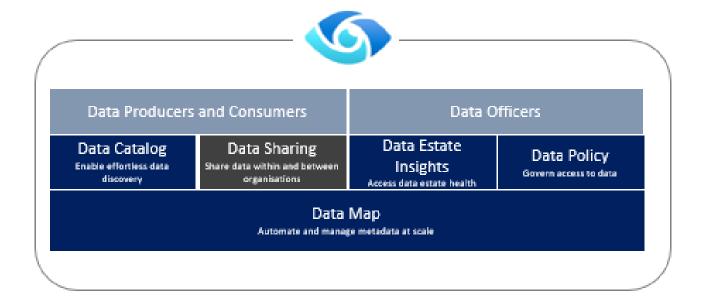
- Automatically available instance, ready your users without set-up.
- A single, organization-wide instance of Microsoft Purview
- Metadata stored in Azure is automatically inventoried
- Data catalog automatically records data schema so users can explore data sources before accessing them

- Free search using the Microsoft Purview Data Catalog
- Organization wide availability in next couple of weeks
- Free Supports browse and search, while enterprise supports advanced search and self-service data access
- Annotated asset like a description and a classification can be added

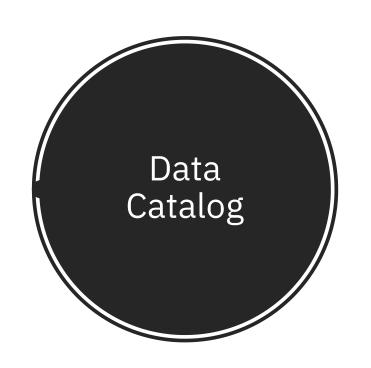
Microsoft Purview governance portal

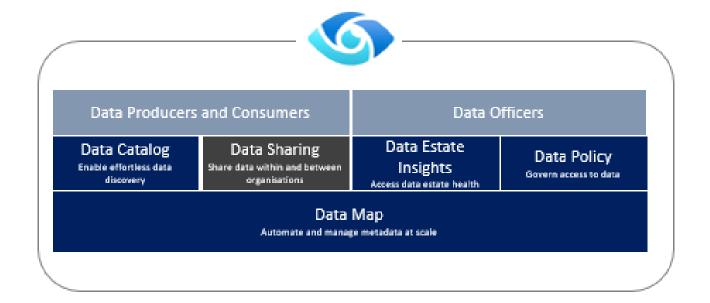






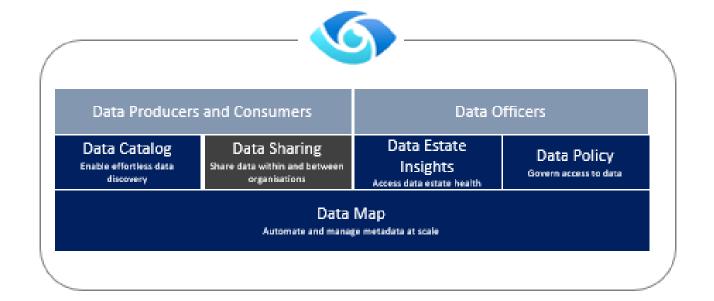
- Scan
- Classification
- Labels
- Data Map Collections
- Metamodel





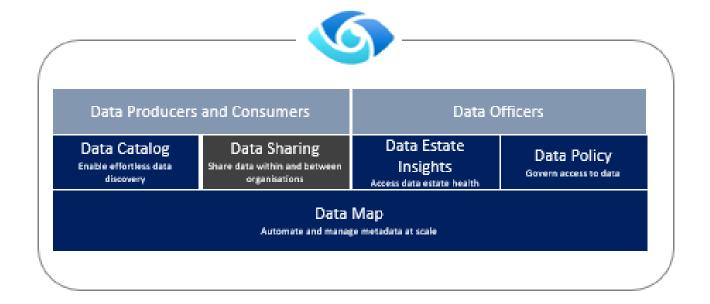
- Search
- Asset Certification
- Business Glossary Term Templates
- Lineage



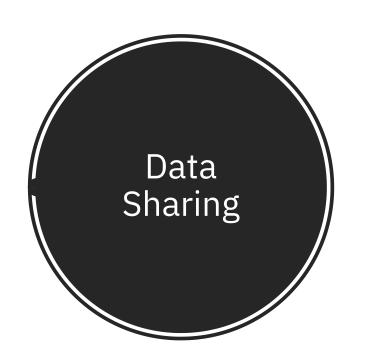


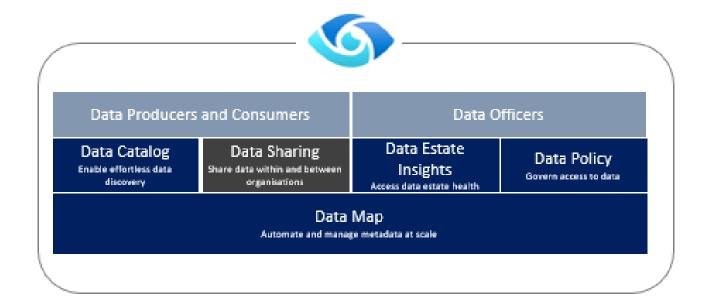
- Asset Insights
- Data Stewardship
- Glossary Insights
- Classification Insights
- Sensitivity label Insights





- Policies Data Owner, Self-service, DevOps
- Roles
- Workflows
- Self Service





• Share Data

Microsoft Purview hub in Microsoft Fabric

Risk and Compliance Compliance portal

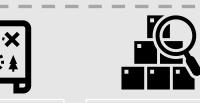
Unified Data Governance Governance portal













Compliance Manager



Data Loss Prevention Data Lifecycle Management

Data Map

Data Catalogue

Data Estate Insights















eDiscovery

Insider Risk Management Communication Compliance

Audit

Data Sharing

Data Policies

Data Quality



Records management

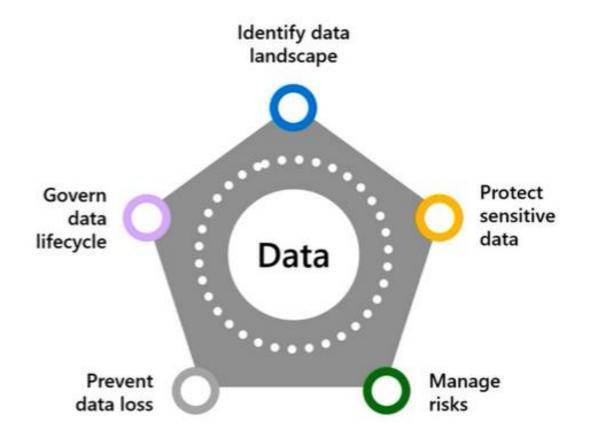


Priva: Privacy Risk Management

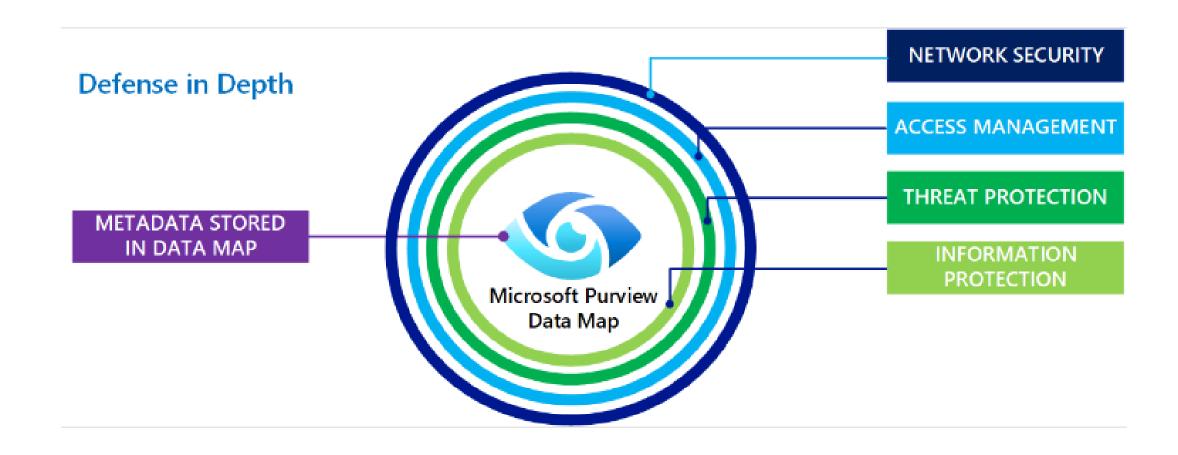
Priva: Subject **Rights Request**

Microsoft Purview Product Portfolio

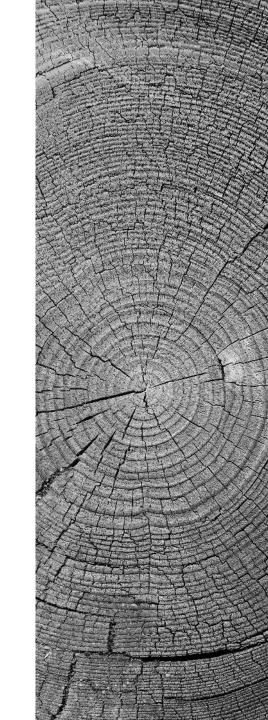
Five components for defense-in-depth approach



Defense in Depth



Summary



Roadmap

Data

- Data Catalogue
- Data Maturity
 Assessment

X (unpredictable events)

- Data Governance Strategy
- Business Use Cases
- Change DataAsset Valuation

Control

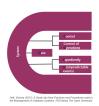
- Roles: Business
 Leadership CDO;
 Data Owner; Data
 Stewards
- Business assessment -Value vs Effort
- Data Quality awareness - KPI
- Communication

Expediently

- Business Glossary
- Automation data collection
- Use of Frameworks
- Polices

Control of Operations

- Security –
 Data Access
- Data Insight dashboards
- Data Sustainability
- Lineage





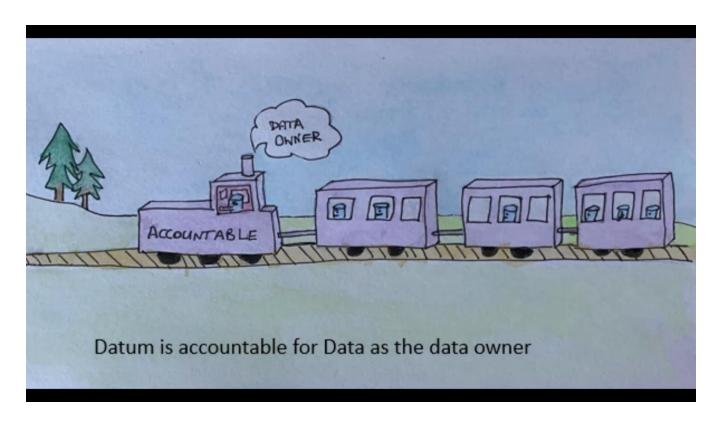
Epilogue

It is imperative to obtain business buy in to be successful

Use the best framework for the required area

Think holistically about the situation using the CODEX

A Data Governance Story



Feedback

Thank you, please complete the feedback form

https://eval.datasaturday.no/229721378150095



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www.blog.victoriaholt.co.uk

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