EDM Webinar

Tales from the Trenches:
CDMC Lessons Learned from the Industry's First Test Case
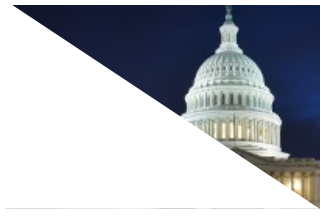
A conversation with

John Wills
Field CTO
Alation

Aaron Bradshaw
Data Governance & Enablement Specialist
Alation

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EDM Council

Moderated by **Mike Meriton**
Co-Founder & COO, EDM Council

- Joined EDM Council full-time 2015 to lead Industry Engagement

- EDM Council Co-Founder & First Chairman (2005-2007)

- EDM Council Finance Board Chair (2007-2015)

- Former CEO GoldenSource (2002-2015)

- Former Executive for D&B Software and Oracle

- FinTech Innovation Lab – Executive Mentor (2011 – Present)

EDM Council CDMC

- Framework defined to ensure successful management of sensitive data
  - 6 Components, 14 capabilities, 37 sub-capabilities

- Focus on 14 Key controls
  - Governance
  - Cataloging and classification
  - Privacy and security
  - Data lifecycle and architecture

- Released in September 2021

CDMC — EDMCouncil — Cloud Data Management Capabilities

Component	Capability	Sub-Capability
1. Governance & Accountability	**1.1 Cloud Data Management business cases** are defined and governed	1.1.1 Cloud data management business cases are defined 1.1.2 Cloud data management business cases are syndicated and governed
	1.2 Data ownership established for both migrated & cloud-generated data	1.2.1 Data Owner roles and responsibilities are defined 1.2.2 Data ownership is established in the Cloud
	1.3 Data sourcing and consumption are governed and supported by automation	1.3.1 Data sourcing is managed and authorized 1.3.2 Data consumption is governed and supported by automation
	1.4 Data Sovereignty and Cross-Border Data Movement are managed	1.4.1 Sovereignty of data is tracked 1.4.2 Data Sovereignty and Cross-Border Data movement risks are managed
2. Cataloguing & Classification	**2.1 Data catalogs** are implemented, used and interoperable	2.1.1 Data cataloguing is defined, scoped and actively used 2.1.2 Metadata is discoverable, enriched, managed and exposed in Data Catalogues 2.1.3 Data catalogs are interoperable across multi and hybrid cloud environments
	2.2 Data classifications are defined and used	2.2.1 Data classifications are defined 2.2.2 Data classifications are applied and used
3. Accessibility & Usage	**3.1 Data entitlements** are managed, enforced and tracked	3.1.1 Data entitlement rights and obligations are captured as metadata 3.1.2 Data entitlement rights are enforced 3.1.3 Access and entitlement tracking is automated
	3.2 Ethical access, use, and outcomes of data are managed	3.2.1 Data Ethics organization structures are established 3.2.2 Data Ethics processes are operational
4. Protection & Privacy	**4.1 Data is secured,** and controls are evidenced	4.1.1 Encryption policies are defined and enforced 4.1.2 Implementation of data security controls is evidenced 4.1.3 Data obfuscation techniques are defined and applied 4.1.4 A Data Loss Prevention program is established
	4.2 A data privacy framework is defined and operational	4.2.1 A data privacy framework is defined 4.2.2 The data privacy framework is operational
5. Data Lifecycle	**5.1 The data lifecycle** is planned and managed	5.1.1 A data lifecycle management framework is defined 5.1.2 The data lifecycle is implemented and managed
	5.2 Data quality is managed	5.2.1 Data quality rules are managed 5.2.2 Data quality is measured 5.2.3 Data quality metrics are reported 5.2.4 Data quality issues are managed
6. Data & Technical Architecture	**6.1 Technical design principles** are established and applied	6.1.1 Optimization of cloud use and cost efficiency is facilitated 6.1.2 Principles for data availability and resilience are established and applied 6.1.3 Backups and point-in-time recovery are supported 6.1.4 Portability and exit planning are established
	6.2 Data provenance and lineage are understood	6.2.1 Multi-environment lineage discovery is automated 6.2.2 Data lineage changes are tracked and managed 6.2.3 Data lineage reporting and visualization are implemented

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DCAM and CDMC

- Published 2014
- DCAM is a holistic best practice assessment framework for data and analytics management
- EDMC Proprietary
- Well adopted across multiple sectors
- Covers end to end Data Management including strategy, business case, funding
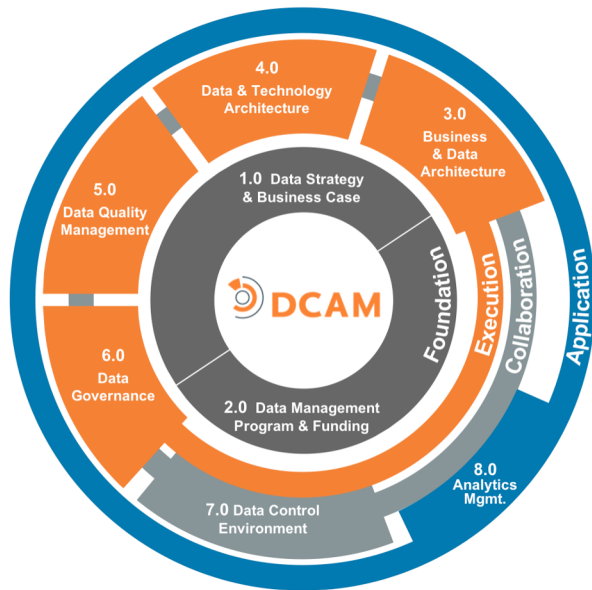
- Published 2021
- CDMC is a best practice assessment and certification framework for the management and control of data in cloud, multi-cloud and hybrid-cloud environments
- Free License
- Includes "Cloud Deltas"
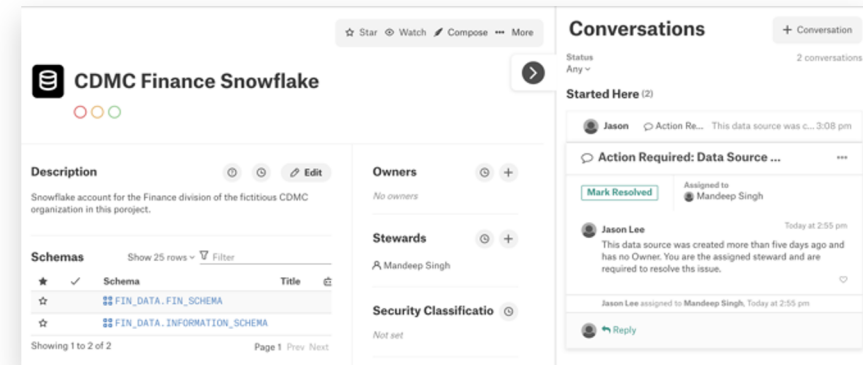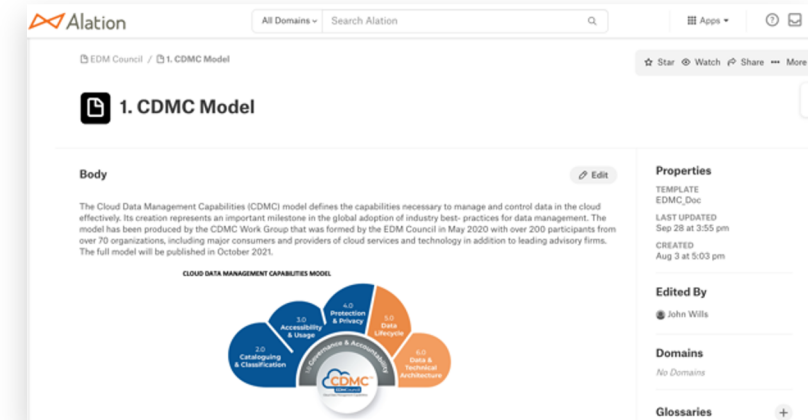- No "foundation"

Complementary - Not Mutually Exclusive
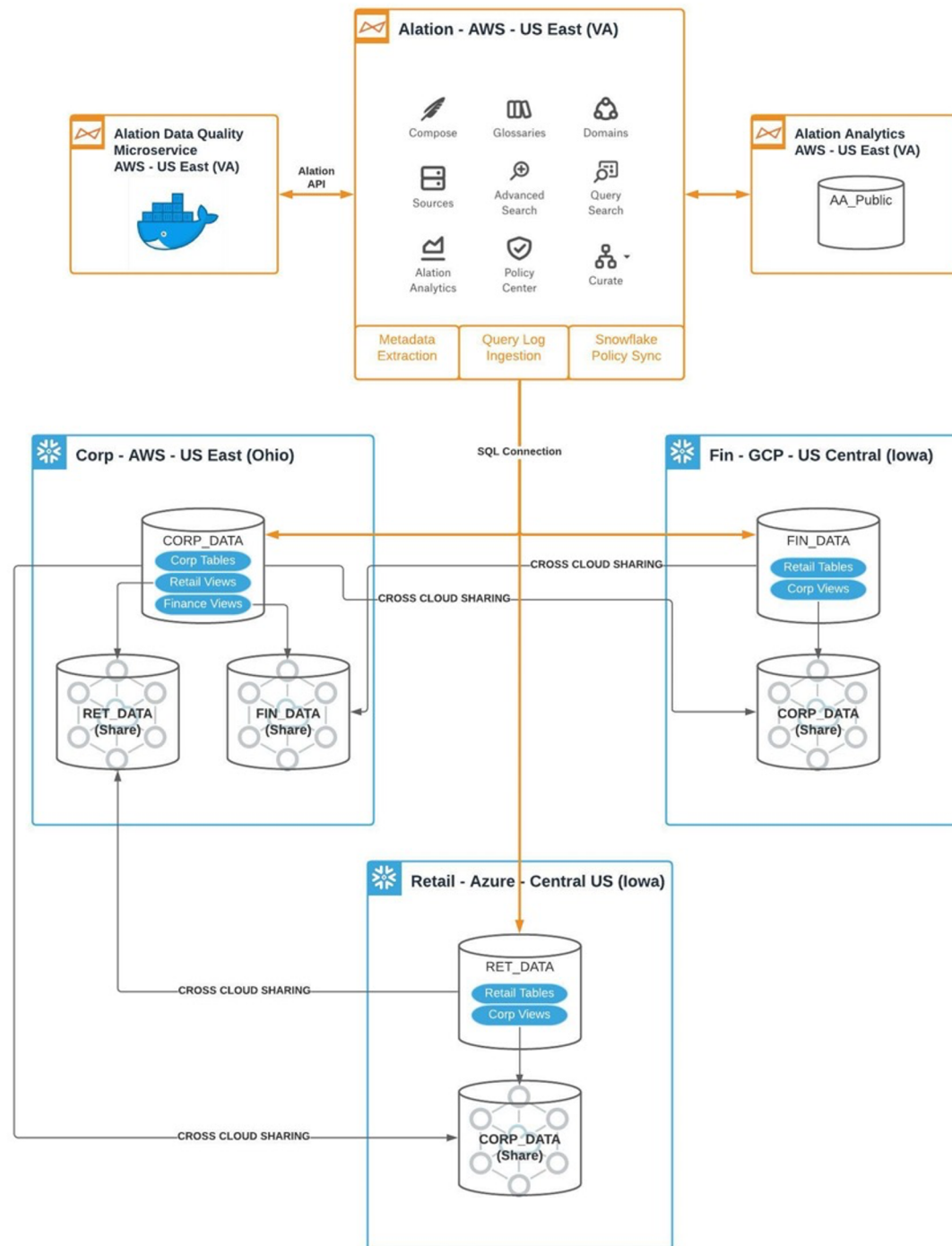
Alation and CDMC

- Industry's first example test cases for the 14 CDMC controls
  - Executed with Snowflake
  - Successfully assessed in Q3 2021

- Test Case Catalog includes
  - Documentation
  - Collaboration
  - Test Case Examples

Test Case Architecture
- Multi-Cloud
- Multi-Geo

Demo

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Key Takeaways + Lessons Learned

- CDMC is what to do not how to do
  - Defines assessment not implementation
  - Documentation and commentary on approach and assumptions

- Jurisdictions and policy enforcement requires careful planning

- Automating monitoring and triggering escalations is critical to enforcement

- Incremental approach to success
  - Know your data as foundation
  - Not a one and done – this is a process

Questions?

What's Next?

Sign up for a Custom Demo

Alation Data Governance Test Flight
March 10th
events.alation.com/alationtestflight-dg

Alation Custom Demo:
alation.com/learn-more

Learn More

Alation and the CDMC
Data catalog capabilities help you better manage your cloud data
READ THE BLOG

Alation CDMC Webpage
https://www.alation.com/solutions/cloud-transformation/cdmc/

CDMC Council Testing Procedures
edmconnect.edmcouncil.org/clouddatamanagementinterestcommunity/home

Snowflake CDMC GitHub Repo
github.com/Snowflake-Labs/EDMC-CDMC-v1-14-Control_Mapping

Questions? We've Got Answers!

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Thank you!

FOR MORE INFORMATION:
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