Leveraging CDMC for a clearer Path to the Cloud

A conversation with:

Chris Probert
Partner, UK Data Practice Lead
Capco

Jubair Patel
Senior Cloud Solutions Architect, Microsoft / Program Lead CDMC Capabilities, EDM Council

Andrew Foster
Chief Data Office, Head of Data Governance – Americas, Deutsche Bank

Puneet Bhargava
Chief Architect - Securities Services Technology, Citi

Russell de Cogan
Principal Consultant / Data Architecture co-lead, UK Data Practice, Capco
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)
- Former CEO GoldenSource (2002-2015)
- Former Executive for D&B Software and Oracle
- FinTech Innovation Lab – Executive Mentor (2011 – Present)
AGENDA

1. Introductions
2. The CDMC Framework
3. Building out solutions with CDMC
4. CDMC and elevating Financial Services relationships with regulatory bodies
5. Q&A session
Today’s panel

**Moderator**

**Mike Meriton**  
Co-Founder and COO  
EDM Council

**Chris Probert**  
Partner, UK Data Practice Lead, Capco

**Jubair Patel**  
Senior Cloud Solutions Architect, Microsoft / Program Lead CDMC Capabilities, EDM Council

**Andrew Foster**  
Chief Data Office, Head of Data Governance - Americas, Deutsche Bank

**Puneet Bhargava**  
Chief Architect, Securities Services Technology, Citi

**Russell de Cogan**  
Principal Consultant, Data Architecture Capability - UK Data Practice, Capco
The emergence of cloud computing has afforded firms new sources of competitive advantage and business models have evolved in response. Whilst Cloud adoption across Financial Services has been broadly positive, a lack of a comprehensive roadmap until recently for cloud adoption/cloud capabilities assessment has led to divergence amongst industry participants in both the pace and manner of cloud adoption.

CDMC is a comprehensive framework of capabilities, requirements, controls and guidance for cloud data management which will guide participants in their journey to the cloud. In this session industry thought leaders will help you gain an understanding of (i) The CDMC Framework, (ii) building out solutions with CDMC (iii) tooling with CDMC (iv) how to elevate your relationship with regulatory bodies, amongst other things.
To assist companies in their path to cloud and attaining cloud data transparency, industry participants from FS, CSPs and technology vendors approached the EDM Council to form an industry working group.

The CDMC Framework was established: it consists of 6 components, 14 capabilities, and a further 37 sub-capabilities that provide detailed guidance on protecting sensitive data in a cloud / hybrid cloud environment. The 6 components and 14 capabilities of CDMC encompass:

1. **Data Governance and Accountability**
   - Data Ownership
   - Data Sourcing and Authorities
   - Data Sovereignty

2. **Data Cataloguing and Classification**
   - Data Cataloguing
   - Data Classification

3. **Data Accessibility and Usage**
   - Data Entitlements & Access Tracking
   - Data Ethical Use and Purpose Tracking

4. **Data Protection and Privacy**
   - Securing Data
   - Data Privacy

5. **Data Lifecycle Management**
   - Data Profiling and Quality
   - Data Lifecycle Management Plan

6. **Data and Technical Architecture**
   - Data Provenance / Lineage
   - Technical Design Principles

---

**THE CDMC FRAMEWORK**

The goal of the CDMC is to “allow companies across all industries to more effectively pursue and implement multi-jurisdictional cloud adoption strategies and best practices”
CDMC - KEY BENEFITS

The focus of the CDMC framework is to mitigate several key cloud implementation challenges currently faced by financial markets participants

**Financial Regulation**: Financial institutions operate under a continually evolving regulatory regime, where there is need for a framework which banks can adhere to for data compliance and audited for cloud implementation.

**Data Residency**: Storage and data processing in the cloud needs to be rigorously assessed and audited to ensure compliance with **data sovereignty** laws as per the regulation, territory law and governance structures within the nation that data is collected.

**Cost**: Data owners must be able to understand as to who is using what data, the frequency of access and the cost that is being incurred to provide that data.

**Security Controls**: Framework or guidelines are required to avoid the risk of data loss, breaches, and ensure appropriate levels of encryption are consistently applied to sensitive data: "always on" controls.

**Data Control**: The Framework aids validation of the efficacy of **Data Classification, Governance** and **Data Quality** consistently across data regardless of its source or purpose.

**Access and Entitlements**: Un-controlled data access foments data leaks and reputational damage. Therefore, data entitlements must be audited and automated to restrict access.
BUILDING OUT SOLUTIONS WITH CDMC

By adopting the CDMC Framework Cloud Solutions become more flexible, extensible and enhance Capabilities

Vendor Toolset Evolution: CSP tools and technology vendor services are evolving in response to the CDMC framework and are transforming to accommodate best practices as defined by the CDMC Framework. So as I build a solution, I now understand how products/services from the external market’s tech vendors and CSPs will meet my needs in terms of CDMC attestation.

Front to Back: In addition to certifying your processes, operations and automated controls against the CDMC Framework, a firm’s cloud capabilities can be built out in conjunction with vendors who have certified their technology solution against the 14 key controls & automation opportunities. So, I can now design for full front-to-back CDMC automation and assess/certify my solution against the CDMC controls.

Future Proofing: As the market evolves, I need my solutions to evolve as well. With CDMC and its 12-monthly re-certification cycle, new offerings and features from solution providers will be assessed against the 14 controls during recertification, thereby future-proofing my solutions.
CDMC: Industry Engagement

100+ Leading firms and 300+ participants actively participating since May 2020

CDMC Working Group

Cloud & Technology Providers

- AWS
- Microsoft Azure
- Google Cloud
- IBM Cloud
- Snowflake
- Collibra
- Informatica
- BigID
- Data.world
- Privitar

Regulatory Engagement

- US: Federal Reserve, SEC, CFTC, FDIC
- Canada: OSFI
- UK: BoE, FCA, ICO
- EU: ECB, ESMA (pending)
- Germany: BaFin
- Switzerland: FinMA
- Australia: APRA
- Singapore: MAS
- Israel: Bank of Israel
- India: RBI, SEBI (pending)
- Africa/Middle East: 20+ Regulators
- Others in process...

CDMC Adoption Support

- Training Courses
- Cloud Service Certification
- Open Source Tools
- CDMC Authorized Partner Program

2H 2021 – 1H 2022 Other Industries

- Life Sciences
- Telecommunications
- Manufacturing
- Retail / Services
- Consumer Tech
- Government / Defense
- Others
Questions?

CAPCO
a wipro company

EDM Webinar
CDMC is Published!

CDMC Published – Tuesday, Sept 28th
CDMC released as a Free License for Industry

Available for download from EDMC website for internal use for any company

https://edmcouncil.org/page/CDMC

1200+ Downloads in 1st week

<table>
<thead>
<tr>
<th>Region</th>
<th>Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>APAC</td>
<td>154</td>
</tr>
<tr>
<td>EMEA</td>
<td>381</td>
</tr>
<tr>
<td>LATAM</td>
<td>21</td>
</tr>
<tr>
<td>NORTH AMERICA</td>
<td>458</td>
</tr>
<tr>
<td>Grand Total</td>
<td>1014</td>
</tr>
</tbody>
</table>
FOR MORE INFORMATION:

Chris Probert
Partner, UK Data Practice Lead
Capco
chris.probert@capco.com

Russell de Cogan
Principal Consultant, Data Architecture Capability
- UK Data Practice, Capco
russell.decogan@capco.com