

EDM Webinar

Cloud Data: Do you know if it's secure or vulnerable?

A conversation with



Matthew McCarty
Sr Security Consultant
AWS



Andy Smith
CMO
Laminar



Laminar



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)



Today's panel

Moderator



Mike Meriton
Co-Founder & COO
EDM Council



Matthew McCarty
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AWS



Andy Smith
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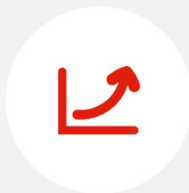
Market Forces that Changed the Data Security Landscape



Cloud Transformation

Covid-19
accelerates digital
transformation by

5.3 years



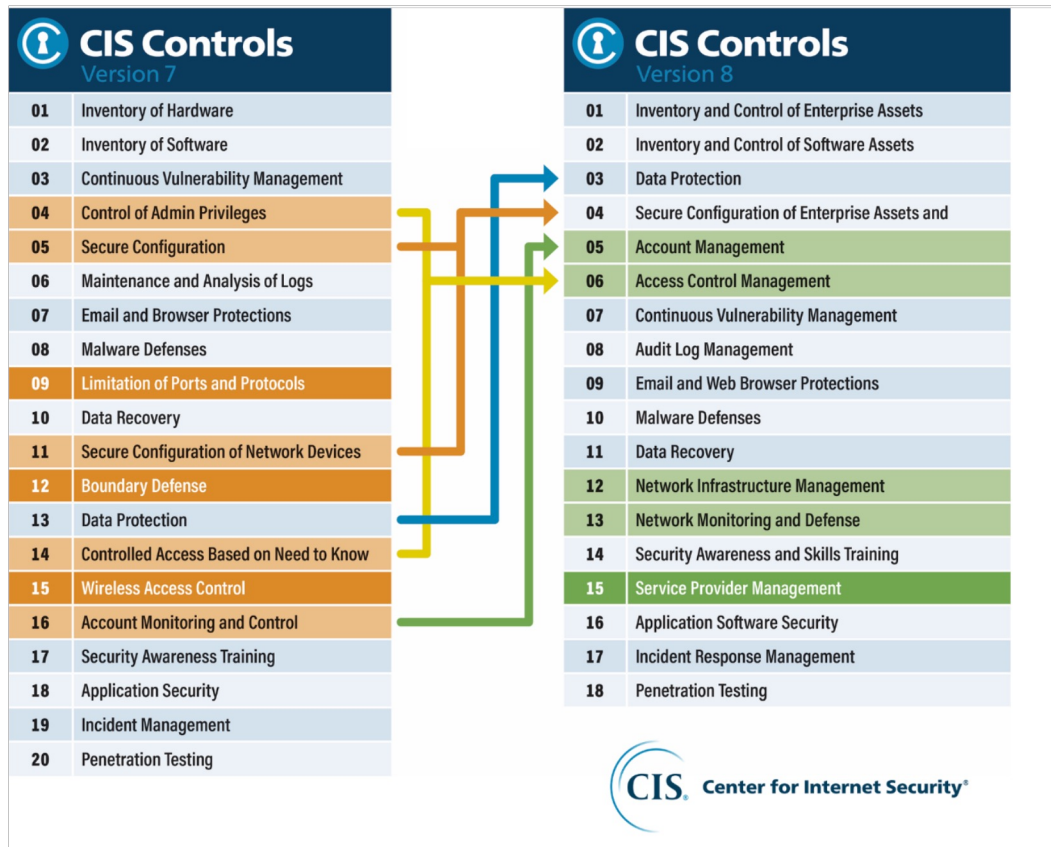
Data Democratization



74%

of companies plan to use
the cloud for Data Science
Gartner

CIS: Inventory on Top. Data Protection 13 to 3!



Innovation Attack Surface

[noun] the continuous unintentional risk cloud data users create when using it to drive innovation





THE SECURITY EXECUTION GAP

Shadow Data – 10 customer examples



**Data
Dump**

**Unlisted
Embedded DBs**



**Nested
Datastores**



**Unmanaged
Backup**



**Orphaned
Backup**



**Abandoned
DB**



**Developer
Secrets**



**DB Copy
In Test Env**

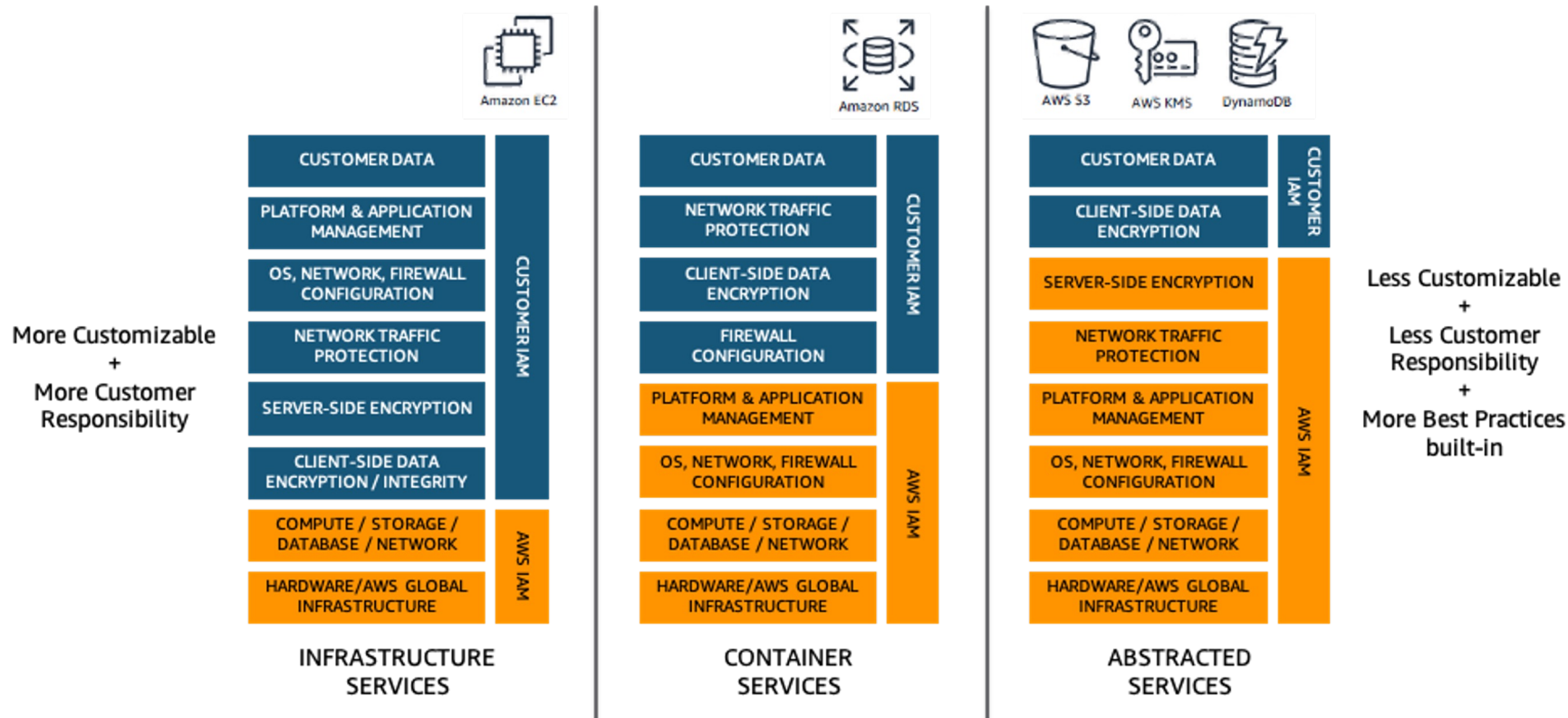


**Shadow
Logs**



**Analytics
Copy**

AWS Shared Responsibility Model





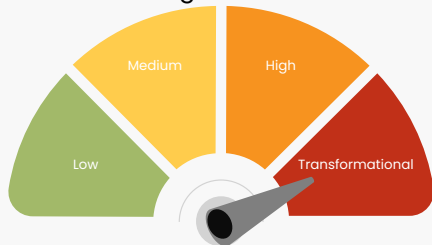
DATA SECURITY STARTS WITH POSTURE MANAGEMENT

What is DSPM?

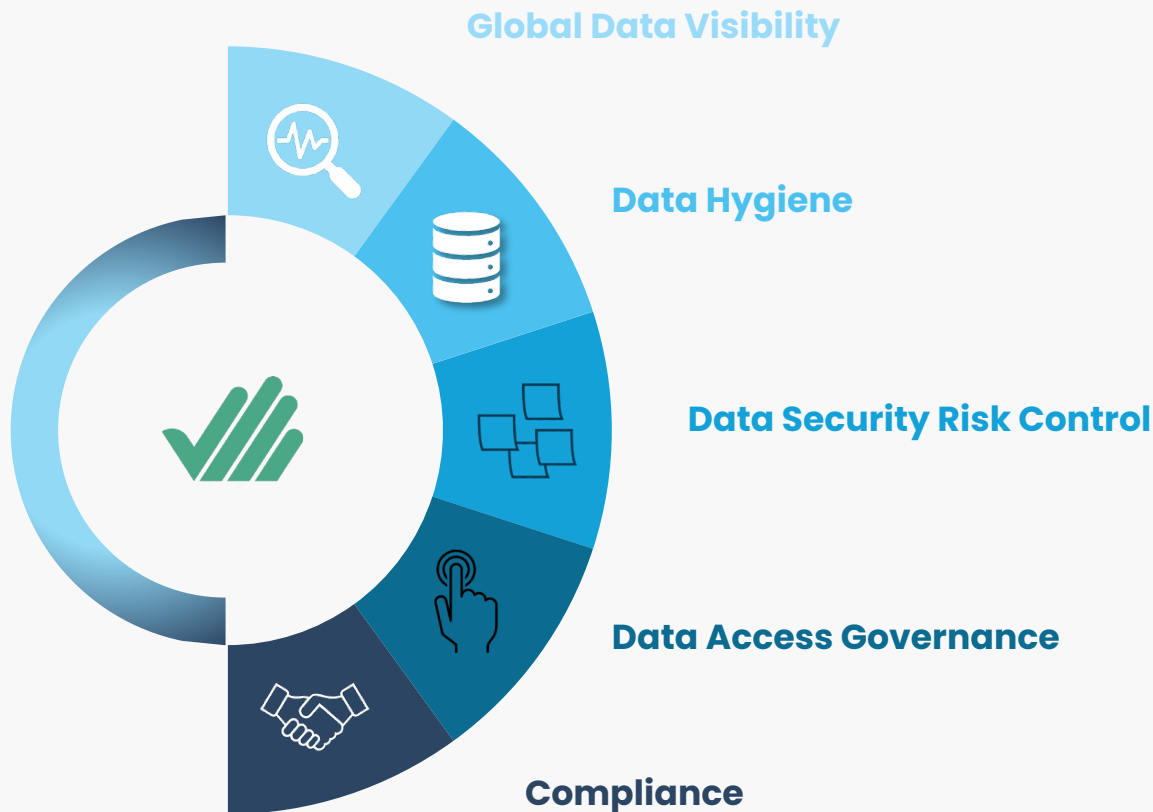
Gartner®

"Data security posture management (DSPM) provides **visibility** as to where sensitive data is, who has **access** to that data, how it has been **used** and what the **security posture** of the data store or application is"

Hype Cycle for Data Security, Gartner, August 2022



Benefit



FinTech Case Study

Environment



13

Cloud
accounts

3045

Data stores

17

Petabytes
data

Project Goals

- Complete and continuous cloud data discovery.
- Ensure that sensitive data is in designated datastores.
- Enforce data security and policies on all crown jewels.

Outcomes



Goals met



Visibility of all cloud
data!



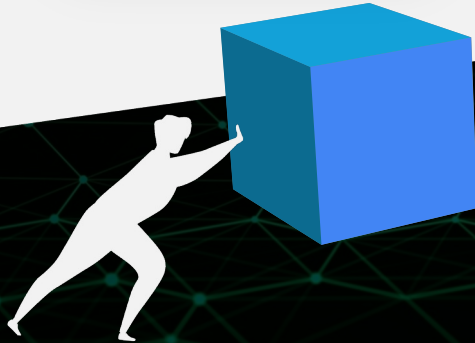
Remediated
datastores



Data & Security
collaboration

LEGACY DATA SECURITY

Connectors don't scale



Labor Intensive

Fight on resources

Blind to Shadow Data

AGILE DATA SECURITY

Agile is cloud-native

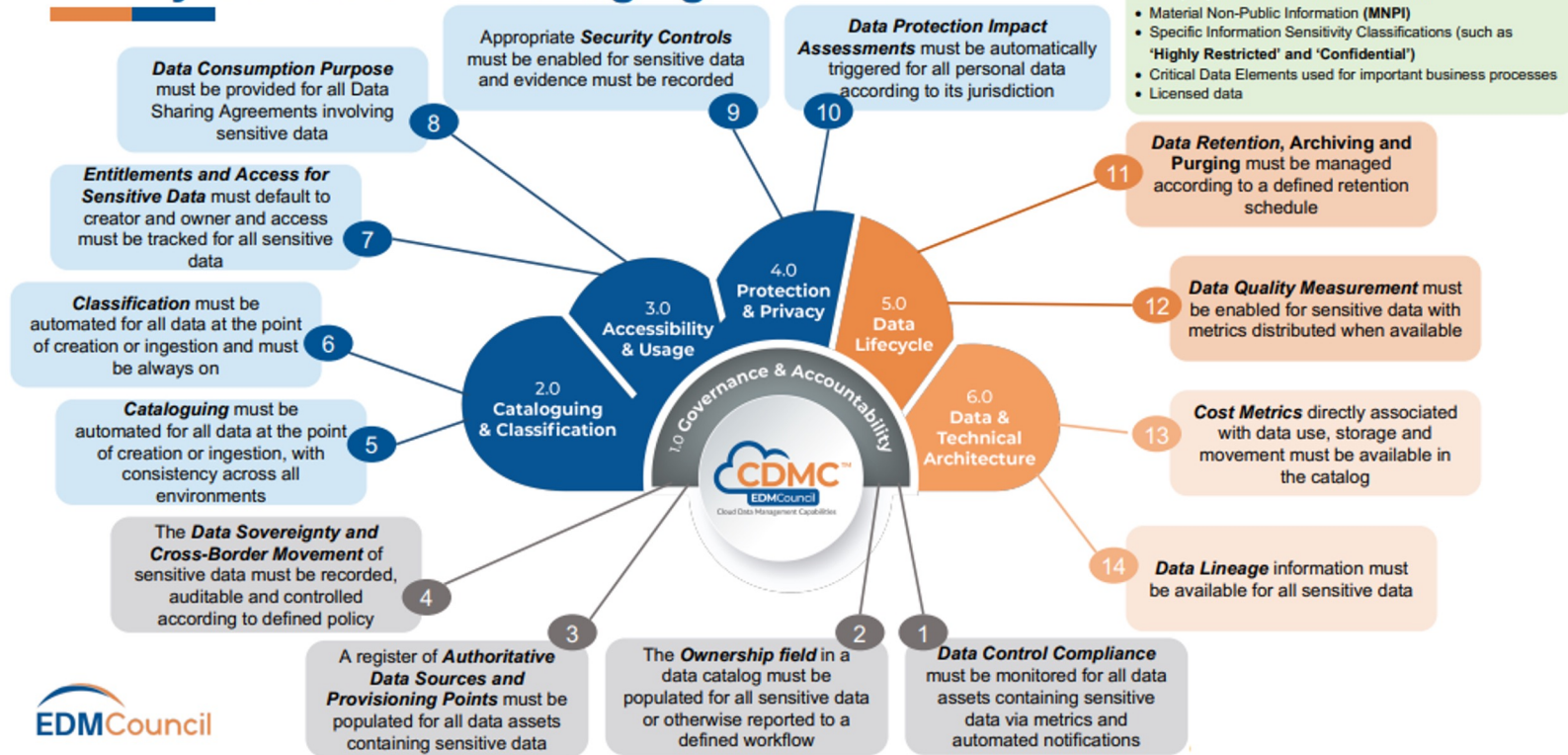















Agentless

Asynchronous

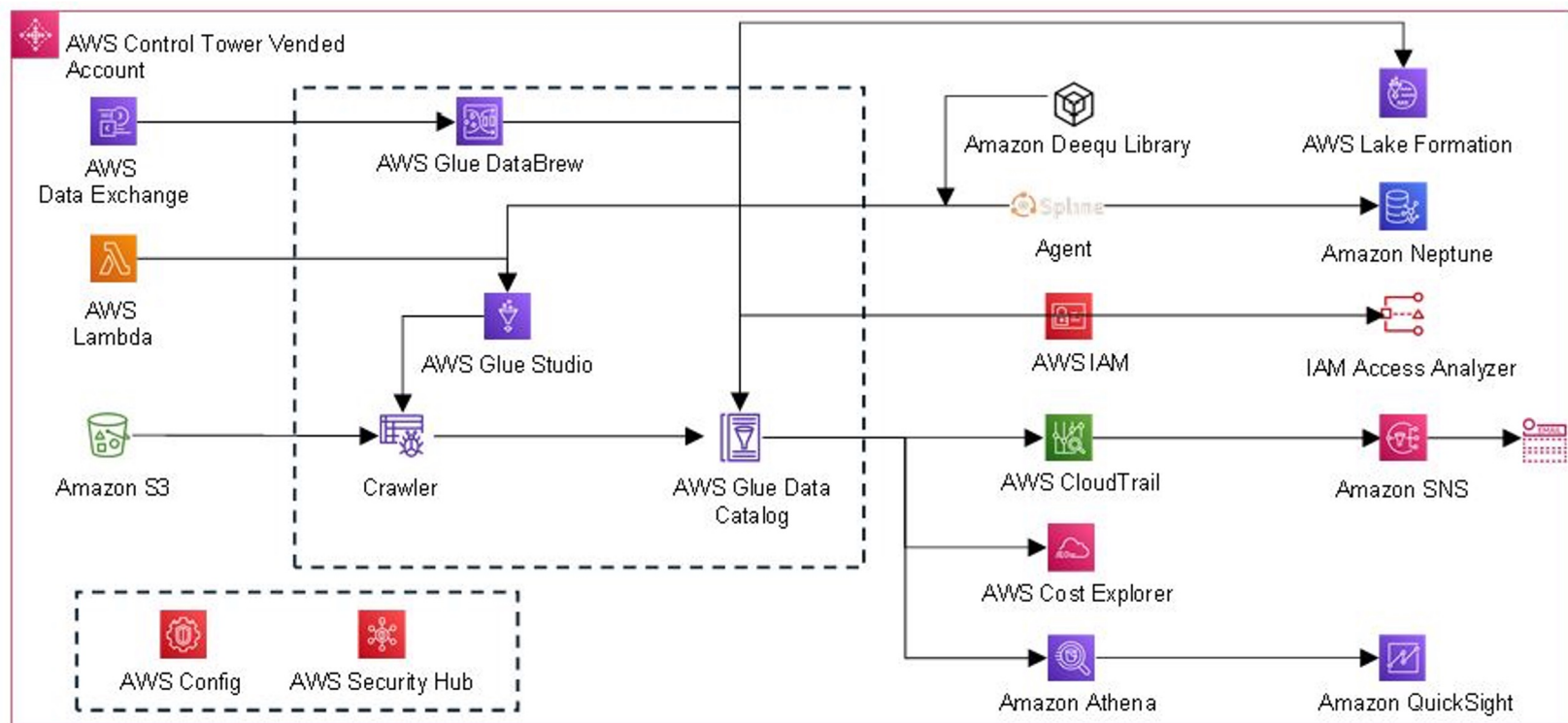
Autonomous

Cloud Data Management Capabilities (CDMC) 14 Key Controls for Managing Data Risk



| Item | Title | Description | Laminar Support |
|----------|-------------------------------|---|---|
| cdmc-1.1 | Governance & Accountability | Data Control Compliance Metric | Supported  |
| cdmc-1.2 | Governance & Accountability | Ownership field | Supported  |
| cdmc-1.3 | Governance & Accountability | Authoritative Sources and Provisioning Points | Facilitated  |
| cdmc-1.4 | Governance & Accountability | Data Sovereignty and Cross-Border Movement | Supported  |
| cdmc-2.1 | Cataloging & Classification | Cataloging | Supported  |
| cdmc-2.2 | Cataloging & Classification | Classification | Supported  |
| cdmc-3.1 | Accessibility & Usage | Entitlements and Access for Sensitive Data | Supported  |
| cdmc-3.1 | Accessibility & Usage | Data Consumption Purpose | Facilitated  |
| cdmc-4.1 | Protection & Privacy | Security Controls | Supported  |
| cdmc-4.2 | Protection & Privacy | Data Protection Impact Assessments | Facilitated  |
| cdmc-5.1 | Data Lifecycle | Data Quality Measurement | Not Supported |
| cdmc-5.2 | Data Lifecycle | Data Retention, Archiving and Purging | Supported  |
| cdmc-6.1 | Data & Technical Architecture | Data Lineage | Facilitated  |
| cdmc-6.2 | Data & Technical Architecture | Cost Metrics | Partially supported  |

AWS Glue Blueprint Assessed to 14 CDMC Controls



Questions?



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Thank you!

FOR MORE INFORMATION:

