



EDM Council /

2. CDMC Key Controls and Automation Test Case Guide

/ Chapter 3: CDMC Capabilities & Control Examples /

Capability 6.1

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Capability 6.1

Body

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A. CDMC Description

COMPONENT 6.0: DATA & TECHNICAL ARCHITECTURE	
CAPABILITY 6.1 DATA LINEAGE IS UNDERSTOOD	
Control 13: Data Lineage	
Control Description	Data Lineage information must be available for all sensitive data. This must at a minimum include the source from which the data was ingested or in which it was created in a cloud environment.
Risks Addressed	Data cannot be determined as having originated from an authoritative source resulting in a lack of trust of the data, inability to meet regulatory requirements and inefficiencies in the system architecture of the enterprise.
Drivers / Requirements	Organizations need to trust data being used and be able to confirm that it is being sourced in a controlled manner. Regulated organizations produce lineage information as evidence that the information on regulatory reports has been taken from an authoritative source for that type of data. Consumers of sensitive data must be able to evidence sourcing of data from authoritative source, for example by showing lineage from the authoritative source or providing the provenance of the data from a supplier.
Legacy / On-Premises Challenges	Lineage information is produced manually by tracing the flow of data through systems from source to consumption. The cost of this approach and the consequences of producing incorrect data can be significant.
Automation Opportunities	<ul style="list-style-type: none">Record ingestion source of all data of specific classifications migrated to cloud.Record source-to-target lineage of all movement of data of specific classifications within the cloud environment.Record destination lineage of all data of specific classifications egressing from the cloud (whether to on-premises or to another cloud).
Benefits	Easy to produce evidence of the data lineage for regulatory reports. Major financial organizations incur significant costs producing this information manually and retrospectively.
Summary	Automatically tracking lineage information for data that feed regulatory reports would both streamline the data for the reports and eliminate cost by replacing the manual labor required to produce that information.

B. Commentary

- The usefulness of lineage is not limited to only understanding the relationship between data assets. It also extends to data-related assets, such as BI reports, algorithms, API endpoints/resources, and others. These should

Properties

TEMPLATE

CDMC Controls Example Guide

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