



EDM Council /

2. CDMC Key Controls and Automation Test Case Guide

/ Chapter 3: CDMC Capabilities & Control Examples /

Capability 3.1

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Capability 3.1

Body

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A. CDMC Description

COMPONENT 3.0: ACCESSIBILITY & USAGE	
CAPABILITY 3.1 DATA ENTITLEMENTS ARE MANAGED, ENFORCED, AND TRACKED	
Control 7: Entitlements and Access for Sensitive Data	
Control Description	1. Entitlements and Access for Sensitive Data must be defaulted to creator and owner until explicitly and authoritatively granted. 2. Access must be tracked for all sensitive data.
Risks Addressed	Access to data is not sufficiently controlled to those who should be authorized. This could result in data leakage, reputational damage, regulatory censure, criminal manipulation of business processes or corruption of data. Data is uncontrolled and consequently is at risk of not being fit for purpose, late, missing, corrupted, leaked and in contravention of data sharing and retention legislation.
Drivers / Requirements	Once the auto-classifier has identified sensitive data assets, enhanced controls should be placed on those data assets, including controls on how entitlements are granted. The users that have access to data and how frequently they access it need to be tracked.
Legacy / On-Premises Challenges	It is difficult to track which consumers are using which data assets unless tracking is turned on and is consistent across all the data in the catalog.
Automation Opportunities	<ul style="list-style-type: none">Automate the defaulting of entitlements to restrict access to the creator and owner until explicitly and authoritatively granted to othersAutomatically track which users have access to which data and how frequently they have access to it, store that information in a data catalog.Provide all data owners access to the usage tracking toolHold entitlements as metadata to enable their use by any tool used to access the data.
Benefits	Tracking of data consumption enables consumption-based allocation of costs. Automation can reduce the cost of performing these allocations manually.
Summary	Entitlements and access for sensitive data at a minimum should be automated to default to be restricted to just the creator and owner of the data until they grant permissions to other people. Once other people have access to that data, monitoring should be in place to track who is using the data and how frequently they are accessing it. Costs can then be correctly allocated.

B. Commentary

- Entitlements are the mechanism that links the intent of the strategic governance policies such as sharing, access, and usage with the physical implementation of those policies as data source authorization to specific roles using grants (permissions)

Properties

TEMPLATE

CDMC Controls Example Guide

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