



EDM Council /

2. CDMC Key Controls and Automation Test Case Guide

/ Chapter 3: CDMC Capabilities & Control Examples /

Capability 1.4

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# Capability 1.4

## Body

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### A. CDMC Description

COMPONENT 1.0: GOVERNANCE & ACCOUNTABILITY	
CAPABILITY 1.4 DATA SOVEREIGNTY AND CROSS-BORDER MOVEMENT RISKS ARE MITIGATED	
Control 4: Data Sovereignty and Cross-Border Movement	
Control Description	The Data Sovereignty and Cross-Border Movement of sensitive data must be recorded, auditable and controlled according to defined policy.
Risks Addressed	Data can be stored, accessed and processed across multiple physical locations in cloud environments, increasing the risk of breaches to jurisdictional laws, security and privacy rules, or regulation.  Breaches can result in various penalties; including fines, reputational damage, legal action and removal of licenses.
Drivers / Requirements	The data owner should understand the jurisdictional implications of cross border data movement and any region-specific storage and usage rules for a particular data set. When establishing cross-border data sharing agreements to support request to use data from a particular location, policy-specified controls must be applied.
Legacy / On-Premises Challenges	Maintaining data about the physical location of data stores and processes is a significant undertaking and applying rules consistently across multiple different technologies is prohibitive.
Automation Opportunities	<ul style="list-style-type: none"><li>Automatically capture and expose the physical location of all storage, usage and processing infrastructure applying to a catalogued data set</li><li>Provide the ability to trigger cross border data sharing agreement workflow (for international data transfer and international data requests).</li><li>Automatically trigger regional storage, processing and usage constraints, with the ability to escalate to a data owner where required.</li><li>Automatically audit, and provide the ability to trigger workflow, when sensitive data is being accessed from a location without a data sharing agreement.</li></ul>
Benefits	Reducing the manual processing and audit of data sharing agreements will significantly reduce the cost and risk of data processing in cloud.
Summary	Codifying and automatically applying jurisdictional data management rules and cross border sharing agreements will significantly reduce the risk of processing data in the cloud. This will increase adoption of cloud services and reduce complexity in day-to-day processing of data in the cloud.

### B. Commentary

- A Sharing Policy should define the objective and have associated standards that provide detailed conditions for source type and geographies. These will depend directly on the interpretation of regulations and corporate risk tolerance.

## Properties

### TEMPLATE

CDMC Controls Example Guide

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