

Data Structure Instance

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Discussion

A Data Structure Instance is a populated occurrence of a [Data Structure Definition](#). It contains actual values that conform to the governing Data Structure Definition.

A Data Structure Instance may appear as a message, record, event, assertion, command, command acknowledgement, status report, heartbeat, policy decision, release record, audit event, provenance record, or persisted entry.

A Data Structure Instance may move through a Communication Endpoint, reside in a persistence mechanism, support an audit trail, or appear in an evidence package. It remains distinct from the Data Structure Definition that governs it.

Definition

populated occurrence of a [Data Structure Definition](#)

Source

Adapted from FX Demo Reference Architecture, Section 2.1.4, Data Structure Instance; aligned with SIP-RA separation of structured artifacts from their definitions and interpretations.

Note

A Data Structure Instance is not a [Data Structure Definition](#), [Communication Endpoint](#), DDS Topic, [Node](#), or [Runtime Plane](#).

Example

A specific cash-flow obligation record with a transaction identifier, payment date, currency, amount, payer, and receiver is a Data Structure Instance governed by a cash-flow obligation [Data Structure Definition](#).

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