

10.4 Publish Domain Information

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The Publish Domain Information pattern allows a [Logical Node](#) to produce domain, financial, analytical, lifecycle, validation, or derived information through a [Logical Communication Endpoint](#).

A publishing [Logical Node](#) produces a [Logical Data Structure Instance](#) governed by a [Logical Data Structure Definition](#). The publication identifies the producing [Logical Node](#), the endpoint, the Runtime Plane, the information structure, and the [Traceability](#) expectations associated with the publication.

The interaction belongs primarily to the [Logical Data Plane](#). It also supports the [Logical Audit and Provenance Plane](#) by recording provenance for published information in the logical architecture.

Table 10-3: Publish Domain Information logical interaction pattern

Element	Logical treatment
Primary Runtime Plane	Logical Data Plane
Producing Logical Node Role	Publisher , Event Producer , Assertion Producer, or Domain Information Producer
Consuming Logical Node Role	Subscriber , Event Consumer , Validator, Interpreter, Auditor, or Oversight Node
Primary information	Logical Event , Logical Message , Logical Assertion , or Logical Record
Supporting information	Producing Logical Node Identity , endpoint identity, information definition, timestamp, and provenance reference
Traceability expectation	Published information traces to its definition, producing Logical Node , endpoint, Runtime Plane, and provenance context.
Evidence expectation	Captured publication supports review of information flow and downstream processing.

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Last update:

2026/07/11 11:11

