

10.3 Conceptual Element to Logical Element / PIM

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A Conceptual Element traces to a Logical Element / PIM when the logical architecture specialises the concept without binding it to a specific implementation technology.

For example, the concept Communication Endpoint may trace to a logical endpoint used for health reporting, work dispatch, transaction publication, validation results, policy decisions, or audit records. The logical endpoint remains platform independent. It does not yet require DDS, REST, files, message queues, or another specific mechanism.

This traceability relationship helps reviewers confirm that the logical architecture preserves the conceptual meaning of the element it specialises.

Examples include:

Table 10.3-1: Examples of conceptual elements traced to logical elements

Conceptual Element	Logical Element / PIM
Node	Logical Node
Node Role	Logical responsibility assigned to a Logical Node
Communication Endpoint	Logical endpoint or interaction point
Data Structure Definition	Logical information structure
Data Structure Instance	Logical message, record, event, assertion, or command instance
Runtime Plane	Logical plane classification
Evidence	Logical evidence claim or evidence class
Traceability	Logical trace relationship

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