

P2-REQ-16-9-004

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Statement

[Logical Node Traceability](#) SHALL relate a [Logical Node](#) to its identities, roles, responsibilities, endpoints, interactions, Runtime Planes, governance relationships, and [Evidence](#) expectations.

Source

Part 2, Section 16.9: Logical Traceability Requirements.

Rationale

Logical Node Traceability establishes the architectural relationships that describe the complete context of each Logical Node. Capturing these relationships supports governance, review, compatibility assessment, impact analysis, and evidence planning throughout the architecture lifecycle.

Applies To

This requirement applies to Logical Node Traceability.

It applies specifically to:

- Logical Nodes;
- Logical Node identities;
- Logical Node roles;
- Logical Communication Endpoints;
- Logical Runtime Planes; and
- Governance relationships.

Verification

Verification SHALL confirm that Logical Node Traceability relates each Logical Node to its identities, roles, responsibilities, endpoints, interactions, Runtime Planes, governance relationships, and Evidence expectations.

Verification activities should include review checks confirming that:

- node relationships are explicitly identified;
- responsibilities and interactions are traceable;
- governance relationships are represented; and
- Evidence expectations are preserved.

Traceability

This requirement supports traceability between Logical Nodes and the architectural relationships that define their role within the Logical Architecture.

Related requirement identifiers:

- [p2-req-16-3-001](#)
- [p2-req-16-3-007](#)
- [p2-req-16-9-005](#)

Related source section:

- [16.9 Logical Traceability Requirements](#)

Status

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