

P4-REQ-21-4-005

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Statement

Each implementation node artefact SHALL identify the DDS Topics, IDL structures, generated types, configuration artefacts, scripts, and supporting modules it uses.

Source

Part 4, Section 21.4: Logical Node Mapping Requirements.

Rationale

An implementation node artefact depends on multiple supporting implementation artefacts and mechanisms. Identifying those dependencies makes its implementation context explicit and reviewable.

This information supports compatibility review, generation review, configuration review, repository governance, and later deployment planning.

Applies To

This requirement applies to:

- implementation node artefacts;
- DDS Topic mappings;
- IDL structures and generated types;
- configuration artefacts;
- scripts; and
- supporting implementation modules.

Verification

Verification SHALL confirm that each implementation node artefact identifies the applicable implementation artefacts and mechanisms it uses.

Verification activities should include review checks confirming that:

- DDS Topics used by the artefact are identified;

- IDL structures and generated types are identified;
- configuration artefacts are identified;
- applicable scripts are identified; and
- supporting modules are identified.

Traceability

This requirement establishes the dependency and implementation-context relationships associated with each implementation node artefact.

Related requirement identifiers:

- [P4-REQ-21-4-004](#)
- [P4-REQ-21-4-006](#)
- [P4-REQ-21-4-007](#)

Related source section:

- [21.4 Logical Node Mapping Requirements](#)

Status

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