

18.3 Implementation Artifact to Part 3 FX Logical Element

[Go To Phase 0 Implementation Traceability Model](#)

Implementation artifact to Part 3 FX logical element [traceability](#) connects a Phase 0 implementation artifact back to the FX logical element or implementation concern that justifies it.

This relationship supports backward review. A reviewer can start with an implementation file, IDL structure, generated type, DDS Topic, QoS profile, configuration file, script, repository location, or handbook rule and identify the FX logical element, implementation mapping, or implementation concern it realizes or supports.

Table 18-2: Backward traceability from Part 4 implementation artifacts to Part 3 FX logical elements

Part 4 implementation artifact	Part 3 FX logical source or implementation concern
Implementation node module	FX logical Node or FX logical Node Role
Process entry point	FX logical Node, FX logical Node Role, or execution concern
Supporting module	FX logical Node Role, Runtime Plane concern, logging concern, exception-handling concern, traceability concern, or shared implementation concern
DDS Topic	FX logical Communication Endpoint
IDL structure	FX logical information structure
Generated type	IDL structure and FX logical information structure
QoS profile	FX Runtime Plane and FX logical Communication Endpoint
Configuration file	Implementation participant, DDS Topic, QoS profile, Runtime Plane, or repository concern
Script	Build, generation, execution, startup, shutdown, cleanup, or workflow concern
Repository directory	Artifact category, implementation mapping, generation concern, documentation concern, or traceability concern
File header	Artifact identity, purpose, logical source, implementation concern, modification rule, and review context
Generated-file header	Source definition, generator, generation context, regeneration rule, manual-editing rule, and FX logical information structure
Developer Handbook rule	Implementation discipline concern governed by Part 4
Review checklist	Acceptance, conformance, traceability, and baseline governance concern

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