

8.4 FX Transaction Intake Node Mapping

Go To Mapping from FX Logical Nodes to Implementation Artifacts

The FX Transaction Intake [Node](#) maps to the Phase 0 implementation artifact that receives or creates candidate FX transaction information and introduces that information into the Phase 0 implementation network.

The implementation artifact performs the Transaction Intake [Role](#). It prepares or receives an implementation representation of an FX Transaction Candidate, applies the required intake conventions, assigns or preserves the required identifiers, records the intake context, and publishes the implementation representation through the selected [DDS](#) Topic that realizes the FX Transaction Intake [Endpoint](#).

Table 8-2: FX Transaction Intake Node implementation mapping.

Mapping Concern	Phase 0 Implementation Treatment
FX logical Node	FX Transaction Intake Node
Primary Node Role	Transaction Intake Role
Primary Runtime Plane	FX Logical Data Plane
Supporting Runtime Planes	FX Logical Audit and Provenance Plane; FX Logical Health and Observability Plane
Primary implementation responsibility	Receive or create candidate FX transaction information and publish it for validation.
Primary DDS interaction	Publish to the DDS Topic that realizes the FX Transaction Intake Endpoint.
Primary data artifact	IDL and a generated type representing an FX Transaction Candidate.
Supporting artifacts	Node configuration, logging helper, traceability metadata, and startup script support.
Traceability expectation	Implementation artifact traces to the FX Transaction Intake Node, Transaction Intake Role, FX Transaction Intake Endpoint, and FX Transaction Candidate.

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