

8.6 FX Semantic Interpretation Node Mapping

Go To Mapping from FX Logical Nodes to Implementation Artifacts

The FX Semantic Interpretation [Node](#) maps to the Phase 0 implementation artifact that applies Phase 0 semantic interpretation logic to validated FX transaction information.

The implementation artifact performs the Semantic Interpretation [Role](#). It consumes validation results and applicable transaction information, applies the selected Phase 0 semantic interpretation approach, produces an implementation representation of an FX Semantic Assertion, and publishes that assertion through the [DDS](#) Topic that realizes the FX Semantic Interpretation [Endpoint](#).

Table 8-4: FX Semantic Interpretation Node implementation mapping.

Mapping Concern	Phase 0 Implementation Treatment
FX logical Node	FX Semantic Interpretation Node
Primary Node Role	Semantic Interpretation Role
Primary Runtime Plane	FX Logical Data Plane
Supporting Runtime Planes	FX Logical Audit and Provenance Plane; FX Logical Policy and Release Plane, where semantic classification affects release.
Primary implementation responsibility	Apply the Phase 0 semantic interpretation logic and publish semantic assertions.
Primary DDS interactions	Subscribe to validation and transaction-related DDS Topics as required; publish to the DDS Topic that realizes the FX Semantic Interpretation Endpoint.
Primary data artifacts	IDL and generated types representing the FX Validation Result, the FX Transaction Record or candidate reference, and the FX Semantic Assertion.
Supporting artifacts	Semantic interpretation helper module, semantic mapping configuration, logging helper, and traceability metadata.
Traceability expectation	Implementation artifact traces to the FX Semantic Interpretation Node, Semantic Interpretation Role, FX Semantic Interpretation Endpoint, and FX Semantic Assertion.

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