

FX Semantic Assertion

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Discussion

An FX Semantic Assertion represents a semantic conclusion about validated FX transaction information.

The FX Semantic Assertion identifies interpreted meaning, semantic source, semantic version, semantic context, input reference, producing FX logical [Node](#), timestamp, and provenance reference. It records how the FX Demo logical profile interprets terms, relationships, classifications, or values in a governed FX context.

The FX Semantic Assertion participates primarily in the FX Logical [Data Plane](#). It also supports the FX Logical [Audit and Provenance Plane](#) because semantic interpretation requires [traceability](#) to input information, governed semantic definitions, semantic versions, interpretation context, and [evidence](#) expectations.

Definition

[semantic](#) conclusion about FX transaction information

Source

Specialization of Logical Assertion from [Part 2: Distributed Node-Based Logical Architecture](#), Section 8.8, [Semantics](#) from [Part 1: Conceptual Architecture](#), Section 9.4, and [Interpretation](#) from [Part 1: Conceptual Architecture](#), Section 9.5; generalised from semantic interpretation and local authoritative ontology material in the original FX Demo [Reference Architecture](#).

Note

An FX Semantic Assertion does not prescribe FIBO, SBVR, OWL, RDF, database lookup, rules engine, ontology repository, or semantic technology.

Example

An FX Semantic Assertion states the interpreted counterparty roles, currency-pair meaning, settlement obligation, or contractual relationship associated with a validated FX transaction.

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