

Contract State Management Role

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Discussion

The Contract State Management Role is responsible for establishing, updating, and reporting the FX contract state at the logical level.

This role includes consuming validated and semantically interpreted FX transaction information, determining applicable FX Contract State, applying allowed state transitions, publishing contract state information, and preserving transition provenance.

The Contract State Management Role participates primarily in the FX Logical [Data Plane](#). It also supports the FX Logical [Audit and Provenance Plane](#) when state transitions preserve input references, rule context, producing [Node](#), timestamp, and [evidence](#) expectations.

Definition

responsible for establishing, updating, and reporting FX contract state

Source

Specialization of Logical Node Role from [Part 2: Distributed Node-Based Logical Architecture](#), Section 6.4, Logical Information Lineage from [Part 2: Distributed Node-Based Logical Architecture](#), Section 8.10, and [Traceability](#) from [Part 1: Conceptual Architecture](#), Section 7.10; generalised from contract lifecycle and state material in the original FX Demo [Reference Architecture](#).

Note

The Contract State Management Role does not prescribe a state-machine implementation, workflow engine, database table, event store, persistence mechanism, or orchestration tool.

Example

The FX Contract State Node performs the Contract State Management Role by determining and publishing the FX Contract State for a validated transaction.

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