

12.11 Record FX Audit and Provenance

Go To FX Demo Logical Interaction Patterns

The Record FX Audit and Provenance pattern records information needed for accountability, lineage, reconstruction, auditability, replay, review, and defensibility.

The [FX Audit and Provenance Node](#) records or relates FX Transaction Candidates, FX Transaction Records, [FX Validation Results](#), [FX Semantic Assertions](#), [FX Contract States](#), [FX Cash-Flow Obligations](#), [FX Policy Decisions](#), [FX Release Packages](#), [FX Control Commands](#), [FX Command Acknowledgements](#), [FX Replay Requests](#), [FX Replay Results](#), producing [Nodes](#), consuming [Nodes](#), endpoints, [Runtime Planes](#), rules, versions, timestamps, and [Evidence](#) expectations.

The interaction belongs primarily to the [Logical Audit and Provenance Plane](#). It also supports all other planes by preserving what occurred within them and how information moved across them.

Table 12-10: Record FX Audit and Provenance interaction pattern.

Element	FX logical treatment
Primary Runtime Plane	Logical Audit and Provenance Plane
Producing FX Node Role	Audit Recording Role or Provenance Recording Role
Consuming FX Node Role	Audit Recording Role , Provenance Recording Role , Replay and Reconstruction Role , Oversight Consumption Role
Primary endpoints	FX Audit Record Endpoint and FX Provenance Record Endpoint
Primary information	FX Audit Record and FX Provenance Record
Supporting information	Input references, output references, producing Node , consuming Node , endpoint, Runtime Plane , rule version, model version, timestamp
Traceability expectation	Audit and provenance records trace to related FX information, Nodes , endpoints, interactions, rules, versions, and decisions
Evidence expectation	Preserved audit and provenance records support review, reconstruction, replay, and defensibility

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