

12.12 Replay or Reconstruct FX Information

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The Replay or Reconstruct FX Information pattern reproduces, republishes, or reconstructs selected FX information from preserved audit, provenance, lineage, and evidence-supporting records.

The [FX Replay and Reconstruction Node](#) receives an [FX Replay Request](#), identifies the replay or reconstruction scope, locates source records, follows provenance and lineage relationships, reconstructs selected information, produces an [FX Replay Result](#), and records replay or reconstruction provenance.

The interaction primarily connects the [Logical Control Plane](#), [Logical Audit and Provenance Plane](#), and [Logical Data Plane](#). The [Logical Control Plane](#) coordinates the request. The [Logical Audit and Provenance Plane](#) identifies preserved records and lineage. The [Logical Data Plane](#) carries replayed or reconstructed FX information when the profile republishes or reconstructs domain information.

Table 12-11: Replay or Reconstruct FX Information interaction pattern.

Element	FX logical treatment
Primary Runtime Plane	Logical Audit and Provenance Plane
Related Runtime Planes	Logical Control Plane and Logical Data Plane
Producing FX Node Role	Replay and Reconstruction Role
Consuming FX Node Role	Audit Recording Role , Provenance Recording Role , Oversight Consumption Role , or requesting FX Node Role
Primary endpoints	FX Replay Request Endpoint and FX Replay Result Endpoint
Primary information	FX Replay Request and FX Replay Result
Supporting information	Source records, provenance references, replay scope, reconstruction rules, timestamp, requesting Node or participant, purpose
Traceability expectation	FX Replay Result traces to source records, FX Replay Request , reconstruction method, producing Node , and provenance reference
Evidence expectation	Replay and reconstruction records support review of reproducibility, accountability, and Evidence sufficiency

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