

3.5 Coverage of the Original FX Demo Reference Architecture

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The original FX Demo [Reference Architecture](#) serves as the source material for the FX Demo Logical Profile. The new document set does not discard that material. It places the FX-specific logical material in this part and defers implementation, deployment, testability, and runtime [Evidence](#) material to later parts.

This part carries forward FX-specific logical material from the original FX Demo [Reference Architecture](#). It does not carry forward [DDS](#) bindings, [IDL](#) structures, [QoS](#) profiles, [Python](#) implementation patterns, [Kubernetes](#) deployment details, [Crucible](#) scenarios, scripts, or runtime [Evidence](#).

Table 3-5: Original FX Demo Reference Architecture material normalized into Part 3.

Original FX Demo Reference Architecture material	Part 3 FX logical treatment
FX-specific use cases and interaction sequences	Normalized into FX logical interaction patterns.
FX-specific Node catalog	Normalized into FX logical Nodes and Logical Node Roles .
FX transaction intake material	Normalized into the FX Transaction Intake Node , endpoint, information structures, and interaction patterns.
FX validation material	Normalized into FX Validation Node , FX Validation Result , validation endpoint, and validation interaction pattern.
FX semantic interpretation material	Normalized into the FX Semantic Interpretation Node , the FX Semantic Assertion , the semantic interpretation endpoint, and the interpretation pattern.
ACTUS cash-flow concerns	Normalized into FX Cash-Flow Computation Node , FX Cash-Flow Obligation , and cash-flow computation interaction pattern without binding to an ACTUS implementation library.
FX contract lifecycle material	Normalized into FX Contract State , lifecycle states, state transitions, and contract-state interaction patterns.
IEF policy and release material	Normalized into FX Policy and Release Node , FX Policy Decision , FX Release Package , and release-to-oversight interaction pattern.
Audit, provenance, persistence, and replay material	Normalized into FX Audit and Provenance Node , FX Audit Record , FX Provenance Record , replay and reconstruction patterns, and Evidence expectations.
DDS , IDL , QoS , Python , and implementation mappings	Deferred to Part 4: Phase 0 Implementation Profile / Platform Specific Model (PSM) .
Kubernetes , K3s , Crucible , acceptance checks, deployment, and runtime Evidence	Deferred to Part 5: Phase 0 Deployment, Testability, and Evidence Plan.
Scripts and repository layout	Deferred to supporting repository documentation or the developer handbook.

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