

11.8 Runtime Plane Realization Summary

[Go To Phase 0 Runtime Plane Realization](#)

The Phase 0 Implementation Profile realizes FX Runtime Plane distinctions through selected DDS Topics, IDL structures, generated types, implementation participants, QoS profiles, logging conventions, exception-handling conventions, repository organization, and traceability records.

Table 11-1: Summary of Phase 0 Runtime Plane realization.

FX Runtime Plane	Phase 0 Realization	Example DDS Topics
FX Logical Control Plane	Commands, acknowledgements, registration, coordination, retry, recovery, and operational control conventions	Control.FX.ControlCommand; Control.FX.CommandAcknowledgement
FX Logical Data Plane	FX transaction, validation, semantic, contract state, and cash-flow exchanges	Data.FX.TransactionCandidate; Data.FX.ValidationResult; Data.FX.SemanticAssertion; Data.FX.ContractState; Data.FX.CashFlowObligation
FX Logical Health and Observability Plane	Node status, lifecycle state, warnings, degradation, failure, recovery, and operational condition reporting	Health.FX.NodeStatus
FX Logical Policy and Release Plane	Policy decisions, release packages, release obligations, and authorized oversight consumption	Policy.FX.PolicyDecision; Policy.FX.ReleasePackage
FX Logical Audit and Provenance Plane	Audit records, provenance records, replay requests, replay results, lineage, reconstruction, and evidence-supporting relationships	Audit.FX.AuditRecord; Audit.FX.ProvenanceRecord; Audit.FX.ReplayRequest; Audit.FX.ReplayResult

The Runtime Plane realization summary records only Phase 0 implementation decisions. Later development phases may extend, refine, supersede, or replace these realizations while preserving traceability to the applicable FX Runtime Planes and implementation artifacts.

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - Dido Solutions, Inc Wiki

Permanent link:
<https://wiki.didosolutions.com/fxdemo/04-part/11-phase-0-runtime-plane-realization/11-8-runtime-plane-realization-summary/start>

Last update: 2026/07/25 09:49

