

11.3 Data Plane Realization

Go To Phase 0 Runtime Plane Realization

The Phase 0 implementation realizes the FX Logical Data Plane through DDS Topics, IDL structures, generated types, implementation Nodes, and processing flows that carry FX domain and analytical information.

Data Plane realization includes:

- transaction candidate exchange;
- validation result exchange;
- semantic assertion exchange;
- contract state exchange;
- cash-flow obligation exchange;
- selected downstream consumption of FX domain information; and
- traceability from exchanged implementation data to FX logical information structures.

Phase 0 maps Data Plane information primarily to DDS Topics such as `Data.FX.TransactionCandidate`, `Data.FX.ValidationResult`, `Data.FX.SemanticAssertion`, `Data.FX.ContractState`, and `Data.FX.CashFlowObligation`.

Data Plane artifacts carry FX business, validation, interpretation, lifecycle, and analytical information. They do not authorize external release. Release decisions and release packages belong primarily to the Policy and Release Plane.

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