

12.1 Purpose of the Data Plane in Phase 0

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The [Data Plane](#) supports the exchange of typed domain data between [Nodes](#). It represents the path through which later phases will move FX transaction data, validation results, ACTUS-related requests and outputs, [Provenance](#) records, audit events, and release-related Artifacts.

Phase 0 does not need to implement the full financial-processing Data Plane. Instead, it should establish the basic discipline that later Data Plane work will follow. That discipline includes governed Topic names, [IDL](#)-derived data structures, defined publishers and subscribers, documented QoS expectations, repeatable generation, validation checks, and [Traceability](#) to the FX Demo Logical Profile.

The team should use Data Plane Topics in Phase 0 only where they support the demonstration Baseline. A Topic should not enter the Data Plane merely because the architecture may need it later. If a future Topic does not yet participate in the Phase 0 Node network, the team should record it as a future Topic candidate rather than adding an unused implementation Artifact.

The Data Plane should remain separate from the [Control Plane](#). Data Plane Topics should not carry Node Lifecycle status, runtime commands, command acknowledgements, operational health messages, or other control messages unless the architecture explicitly defines an exception.

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