

5.5 Logical Information Model

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The logical information model defines the platform-independent information structures exchanged, recorded, interpreted, governed, or evidenced by logical Nodes.

[Logical Data Structure Definitions](#) describe the structure, meaning, and constraints of information classes. [Logical Data Structure Instances](#) represent populated occurrences of those definitions. Logical [messages](#), [events](#), [commands](#), acknowledgements, [assertions](#), [records](#), and evidence-related objects specialize these information concepts for different logical purposes.

The logical information model does not prescribe IDL, Protocol Buffers, JSON Schema, XML Schema, Avro, OpenAPI, database schemas, ontology classes, or generated language types. Later implementation profiles select those representations.

The logical information model supports [Traceability](#) from data values to their definitions, semantic context, interpretation rules, producing logical Nodes, consuming logical Nodes, Runtime Planes, governance decisions, and [Evidence](#) claims.

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