

5.1 Overview

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The distributed, node-based Logical Architecture / PIM defines a single platform-independent way to realize the Part 1 Conceptual Architecture at the logical level.

This Logical Architecture organizes a financial, structured information-processing system as a network of identifiable logical Nodes. Each logical Node performs one or more logical [Node Roles](#), participates in one or more logical Runtime Planes, and communicates with other logical Nodes through explicit logical [Communication Endpoints](#).

The Logical Architecture / PIM does not prescribe a technology stack, protocol, data serialisation format, programming language, deployment topology, or runtime packaging. Implementation profiles realize this Logical Architecture through selected mechanisms such as DDS, REST, RPC, Protocol Buffers, message queues, event streams, file exchange, shared services, libraries, threads, tasks, processes, containers, virtual machines, or other mechanisms.

Figure 5-1 summarises the high-level structure of the distributed, node-based Logical Architecture / PIM.

```
Distributed Node-Based Logical Architecture / PIM
├── Logical Node Network
├── Logical Communication Model
├── Logical Information Model
├── Logical Runtime Plane Model
├── Logical Interaction Patterns
├── Logical Governance Model
└── Logical Traceability Model
```

Figure 5-1: High-level structure of the distributed, node-based Logical Architecture / PIM

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