

P2-REQ-16-6-001

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Statement

The Logical Architecture / PIM SHALL define the following Logical Runtime Planes:

- [Logical Control Plane](#)
- [Logical Data Plane](#)
- [Logical Health and Observability Plane](#)
- [Logical Policy and Release Plane](#)
- [Logical Audit and Provenance Plane](#)

Source

Part 2, Section 16.6: Logical Runtime Plane Requirements.

Rationale

The Logical Runtime Plane Model separates architectural responsibilities according to purpose rather than implementation. Defining a standard set of Logical Runtime Planes provides a common architectural foundation for organizing interactions, governance, traceability, and information movement while preserving platform independence.

Applies To

This requirement applies to the Logical Runtime Plane Model.

It applies specifically to:

- Logical Runtime Planes;
- Logical Nodes;
- Logical Interaction Patterns; and
- Domain Logical Profiles.

Verification

Verification SHALL confirm that the Logical Architecture / PIM defines each required Logical Runtime Plane.

Verification activities should include review checks confirming that:

- each Logical Runtime Plane is explicitly defined;
- each Runtime Plane has a distinct architectural purpose;
- Runtime Planes remain platform independent; and
- Domain Logical Profiles preserve the inherited Runtime Plane definitions.

Traceability

This requirement supports traceability between Logical Runtime Planes, Logical Interaction Patterns, and Logical Nodes.

Related requirement identifiers:

- [P2-REQ-16-6-002](#)
- [P2-REQ-16-6-007](#)
- [P2-REQ-16-7-001](#)

Related source section:

- [16.6 Logical Runtime Plane Requirements](#)

Status

Draft

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