

P1-REQ-13-5-009

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Statement

Cross-plane relationships SHALL preserve the distinct architectural purpose of each [Runtime Plane](#) involved.

Source

Part 1, Section 13.5: Runtime Plane Requirements.

Rationale

Runtime Planes interact when coordination, data exchange, observation, policy release, audit, or evidence concerns relate to one another. These relationships need to preserve the distinct purpose of each plane involved.

This requirement prevents cross-plane relationships from collapsing separate architectural concerns into a single undifferentiated runtime concept.

Applies To

This requirement applies to cross-plane relationships described within the Conceptual Architecture.

It applies specifically to relationships involving:

- Control Plane
- Data Plane
- Health and Observability Plane
- Policy and Release Plane
- Audit and Provenance Plane

Verification

Verification SHALL confirm that cross-plane relationships preserve the distinct architectural purpose of each Runtime Plane involved.

Verification activities include review checks confirming that:

- Cross-plane relationships identify each involved Runtime Plane
- Cross-plane relationships preserve each plane's purpose
- Cross-plane relationships do not redefine a Runtime Plane
- Cross-plane relationships support traceability where required

Traceability

Related source section:

- [13.5 Runtime Plane Requirements](#)

Related requirement identifiers:

- [p1-req-13-5-001](#)
- [p1-req-13-5-010](#)
- [p1-req-13-5-007](#)

Status

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