

13.5 Runtime Plane Requirements

[Go to Top](#)

1. The Conceptual Architecture SHALL define the following conceptual [Runtime Planes](#):
 1. [Control Plane](#)
 2. [Data Plane](#)
 3. [Health and Observability Plane](#)
 4. [Policy and Release Plane](#)
 5. [Audit and Provenance Plane](#)
2. The [Control Plane](#) SHALL support operational coordination among [Nodes](#).
3. The [Data Plane](#) SHALL carry [Domain](#) and analytical information among [Nodes](#).
4. The [Health and Observability Plane](#) SHALL support observation of operational condition and behaviour.
5. The [Policy and Release Plane](#) SHALL support governed access, disclosure, safeguarding, and release of information.
6. The [Audit and Provenance Plane](#) SHALL support auditability, provenance, lineage, reconstruction, and defensibility.
7. The Conceptual Architecture SHALL distinguish [Runtime Planes](#) from implementation mechanisms.
8. The Conceptual Architecture SHALL NOT treat a [Runtime Plane](#) as a DDS Domain, DDS Topic, DDS partition, Kubernetes namespace, network segment, container group, security zone, or deployment environment.
9. Cross-plane relationships SHALL preserve the distinct architectural purpose of each [Runtime Plane](#) involved.
10. Cross-plane relationships SHALL be [Traceable](#) when they affect [Governance and Authority](#), release, recovery, auditability, provenance, or [Evidence](#).
11. The [Policy and Release Plane](#) SHALL support conceptual separation between full transaction detail, transaction metadata, aggregate summaries, derived indicators, redacted views, masked views, exception views, and full-detail release views.
12. The [Policy and Release Plane](#) SHALL support data sovereignty and data residency as conceptual release and movement concerns.
13. The [Policy and Release Plane](#) SHALL support policy-governed release without requiring all protected information to pass through a single central policy mechanism.
14. The [Policy and Release Plane](#) SHALL support later logical realisation through policy enforcement, policy decision, policy administration, policy information, obligation, release, and audit/evidence capabilities.
15. The [Policy and Release Plane](#) SHALL NOT treat metadata release or aggregate release as authorisation to release full transaction detail.

From:
<https://wiki.didosolutions.com/> - **Dido Solutions, Inc Wiki**

Permanent link:
<https://wiki.didosolutions.com/txdemo/01-part/13-conceptual-requirements/13-5-runtime-plane-requirements?rev=1782941310>

Last update: **2026/07/01 14:28**

