

5.6 Logical Runtime Plane Model

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The logical [Runtime Plane](#) model preserves the conceptual [Runtime Planes](#) defined in Part 1 and applies them to logical interactions.

The logical Runtime Planes include:

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

Each logical interaction belongs to one or more logical Runtime Planes according to architectural purpose. A health report belongs to the Health and Observability Plane. A command belongs to the Control Plane. A transaction event belongs to the Data Plane. A release decision belongs to the Policy and Release Plane. A provenance record belongs to the Audit and Provenance Plane.

Cross-plane relationships occur when one plane affects another. Examples include a health observation triggering a control command, a data-plane result requiring release evaluation, and a release decision generating an audit and provenance record. The Logical Architecture preserves the distinction among planes even when interactions connect them.

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