

15.5 Logical Runtime Planes Remain Distinct from Implementation Groupings

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A Logical Runtime Plane classifies logical interactions by architectural purpose. It does not represent a DDS Domain, DDS partition, DDS Topic namespace, REST resource group, RPC service group, message-bus namespace, Kubernetes namespace, network segment, security zone, deployment environment, or runtime configuration grouping.

Implementation and deployment profiles select grouping mechanisms that help realize plane separation. Those mechanisms support implementation or deployment, but they do not redefine the Logical Runtime Plane.

Logical Runtime Plane separation continues to apply when a single implementation mechanism carries interactions from several planes, or when several implementation mechanisms realize a single logical plane.

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