

## 4.4 Logical Meaning Before Physical Realization

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The architecture defines logical meaning before physical realization.

A [Node](#) has a [Node Role](#) and [Node Identity](#) before an implementation profile decides whether it runs as a process, container, pod, virtual machine, or service. A [Runtime Plane](#) serves an architectural purpose, while an implementation profile decides whether to represent it through topic naming, DDS partitions, Kubernetes namespaces, network segmentation, or security policy.

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