

# P1-REQ-13-4-011

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## Statement

The Conceptual Architecture SHALL distinguish among a [Node](#), a [Node Role](#), a [Node Identity](#), a [Communication Endpoint](#), a [Data Structure Definition](#), a [Data Structure Instance](#), a [Runtime Plane](#), an implementation artefact, and a deployment artefact.

## Source

Part 1, Section 13.4: Core Conceptual Element Requirements.

## Rationale

The core conceptual elements describe different architectural concerns. A Node, Node Role, Node Identity, Communication Endpoint, Data Structure Definition, Data Structure Instance, Runtime Plane, implementation artefact, and deployment artefact each serves a distinct purpose.

Distinguishing these elements prevents identity, responsibility, communication, information, runtime purpose, implementation, and deployment concerns from collapsing into one another.

## Applies To

This requirement applies to all uses of core conceptual elements within the Conceptual Architecture.

It applies specifically to distinctions among:

- Node
- Node Role
- Node Identity
- Communication Endpoint
- Data Structure Definition
- Data Structure Instance
- Runtime Plane
- Implementation artefact
- Deployment artefact

## Verification

Verification SHALL confirm that the Conceptual Architecture distinguishes among the named core conceptual, implementation, and deployment elements.

Verification activities include review checks confirming that:

- Node, Node Role, and Node Identity remain distinct
- Communication Endpoint remains distinct from Nodes and exchanged information
- Data Structure Definition remains distinct from Data Structure Instance
- Runtime Plane remains distinct from implementation and deployment artefacts
- Implementation artefacts and deployment artefacts do not redefine conceptual elements

## Traceability

Related source section:

- [13.4 Core Conceptual Element Requirements](#)

Related requirement identifiers:

- [p1-req-13-4-001](#)
- [p1-req-13-4-012](#)
- [p1-req-13-4-013](#)

## Status

Draft

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