

# 16.2 Distributed Node-Based Architecture Requirements

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This section identifies the normative requirements established for the distributed node-based Logical Architecture. The canonical requirement statements are maintained in [Annex C: Requirements, Part 2, Section 16.2](#).

**Table 16-1:** Distributed node-based architecture requirements.

| Requirement ID                  | Statement                                                                                                                                                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">P2-REQ-16-2-001</a> | The Logical Architecture / PIM SHALL define a distributed, node-based logical architecture that conforms to the Part 1 Conceptual Architecture.                                                                                                                                             |
| <a href="#">P2-REQ-16-2-002</a> | The Logical Architecture / PIM SHALL define one logical architecture and SHALL NOT imply that it represents every possible logical architecture that conforms to Part 1.                                                                                                                    |
| <a href="#">P2-REQ-16-2-003</a> | The Logical Architecture / PIM SHALL organize the architecture around identifiable <a href="#">Logical Nodes</a> .                                                                                                                                                                          |
| <a href="#">P2-REQ-16-2-004</a> | The Logical Architecture / PIM SHALL distinguish <a href="#">Logical Nodes</a> from runtime deployments, implementation artifacts, deployment artifacts, execution mechanisms, and communication technologies.                                                                              |
| <a href="#">P2-REQ-16-2-005</a> | The Logical Architecture / PIM SHALL NOT prescribe execution granularity, deployment granularity, runtime packaging, deployment topology, communication technology, data serialisation format, programming language, middleware product, orchestration platform, or runtime infrastructure. |

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