

ENV-002c — Instantiate Included Nodes

[Go to ENV-002 — Configure Test Environment](#)

Statement

The [DIDO-TE](#) SHALL instantiate each [Node](#) included in a [Test Environment](#) before [Test Execution](#).

Derived From

- [\[DTE5\] DIDO-TE Requirements Register](#), source requirement identifier and obligation to be assigned
- [\[DTE6\] Structured Information Processing Reference Architecture \(SIP-RA\)](#)
- [\[DTE7\] Federated Data Interpretation Systems Reference Architecture \(FDIS-RA\)](#)

Rationale

Instantiating each included [Node](#) establishes the operational participants required by a [Test Environment](#).

The instantiated Nodes perform the information-processing, communication, observation, control, or support functions required during [Test Execution](#).

Establishing correspondence between each defined Node and its instantiated state supports controlled execution, [Reproducibility](#), and assessment of whether a Node difference influenced a [Test Result](#).

Applies To

- [Test Environment](#)
- [Node](#)
- [Test Execution](#)
- [Configuration](#)
- [Baseline](#)
- [Deployment Target](#)

Verification

Verification confirms that:

- The DIDO-TE instantiates every Node included in the Test Environment.

- Each instantiated Node corresponds to a Node identified by the controlled Test Environment information.
- Each instantiated Node has the specified version, Baseline, Configuration, and Deployment Target.
- Each instantiated Node enters its required initial lifecycle state before Test Execution.
- The DIDO-TE maintains [Traceability](#) between each defined Node and its instantiated state.
- A missing, incorrect, or untraceable Node instance constitutes nonconformance with this requirement.

Verification includes:

- Inspection of the Nodes identified for the Test Environment
- Inspection of each instantiated Node
- Comparison of each instantiated Node with its controlled definition
- Inspection of the version, Baseline, Configuration, Deployment Target, and initial lifecycle state of each instantiated Node
- Inspection of Traceability records connecting each defined Node to its instantiated state
- A negative assessment using a missing, incorrect, or untraceable Node instance
- Confirmation that the negative assessment produces a nonconformance result

Referenced By

Plugin Backlinks: Nothing was found.

Related Architecture Sections

- Add links to the architecture sections governing Nodes, Test Environment instantiation, deployment, and Node lifecycle.

Delivery Phase

Assign the applicable delivery phase.

Requirement Status

Draft

Statement Reference

Use the following syntax to reference this requirement's Statement section from another DokuWiki page:

```
{{section>dido:03-dido-te:99-annexes:annex-c-requirements:02-test-environment-requirements:env-002-configure-test-environment:env-002c-
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instantiate-included-nodes#Statement&noheader&nofooter&noeditbtn}}
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