

Configuration Record

[Go up to Terms and Definitions](#)

Discussion

A Configuration Record documents the configuration intended for and applied to an identified [Node](#) instance.

The Configuration Record identifies the applicable [Node Configuration](#), Configuration Parameters, resolved [Configuration Values](#), [Configuration Sources](#), resolution decisions, [Node Bindings](#), application activities, validation results, findings, exceptions, and resulting Node state.

The Configuration Record distinguishes the intended configuration from the configuration actually applied to the Node. This distinction supports comparison, diagnosis, change control, [Reproducibility](#), and interpretation of Test Results.

A Configuration Record remains distinct from a Node Configuration. The Node Configuration specifies the settings and relationships assigned to a Node. The Configuration Record documents what was selected, resolved, applied, observed, and validated for a particular Node instance.

Definition

documented information identifying the configuration intended for and applied to a Node instance

Source

DIDO Solutions project definition.

Note

A Configuration Record identifies its version, the configured Node instance, the responsible actor or process, the applicable location and time, and the Node state before and after configuration.

The record represents a sensitive Configuration Value through a protected reference, identifier, digest, or redacted representation rather than an exposed copy.

A material configuration change produces a new or revised Configuration Record.

A Configuration Record preserved as [Evidence](#) maintains [Traceability](#) to the applicable configuration sources, decisions, activities, validation results, findings, exceptions, Test Environment, Test Execution, and Test Results.

Example

A record identifying the DDS domain, topic, partition, Quality of Service profile, network interface, protected credential reference, configuration sources, application time, validation result, and resulting state of a publishing Node constitutes a Configuration Record.

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