

Configuration Application

[Go up to Terms and Definitions](#)

Discussion

Configuration Application assigns a resolved [Node Configuration](#) to an identified [Node](#) instance.

The process assigns resolved [Configuration Values](#), establishes required [Node Bindings](#), invokes applicable configuration interfaces, and records the resulting Node state.

Configuration Application remains distinct from [Configuration Resolution](#). Configuration Resolution determines the values and relationships applicable to the Node. Configuration Application applies those values and relationships to the Node instance.

Configuration Application also remains distinct from [Configuration Validation](#). Configuration Application changes or establishes the Node's configuration. Configuration Validation determines whether the intended and applied configurations satisfy the applicable criteria.

Definition

process that assigns a resolved Node Configuration to a Node instance

Source

DIDO Solutions project definition.

Note

Configuration Application identifies the Node instance, configuration revision, initiating actor or process, applicable time, applied values and bindings, application sequence, resulting state, and encountered exceptions.

Application occurs during provisioning, deployment, startup, reconfiguration, recovery, or another controlled lifecycle activity.

A partial or unsuccessful application leaves the Node in an identified state and records the values and bindings successfully applied, the values and bindings not applied, and the applicable failure information.

Configuration Application protects a [Sensitive Configuration Value](#) against exposure in process arguments, logs, error messages, temporary files, interfaces, and configuration records.

Example

A startup process applies the resolved DDS domain identifier, topic, partition, Quality of Service profile, network interface, and protected Credential reference to a publishing Node.

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