

Deployment Validation

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Discussion

Deployment Validation evaluates a deployment result against identified [Acceptance Criteria](#) to determine whether the deployed subject satisfies the conditions established for its intended use.

The deployed subject may include:

- An [Infrastructure Environment](#)
- A [Platform Deployment](#)
- An application
- A service
- A [Machine Image](#)
- A set of deployed components

Deployment Validation may evaluate:

- Required resources
- Installed components
- Configuration values
- Component relationships
- Service availability
- Connectivity
- Security controls
- Operational characteristics
- Applicable [Baseline](#) conformance
- Applicable [Security Baseline](#) conformance
- Required test results
- Required [Evidence](#)

Deployment Validation differs from deployment:

- Deployment creates or modifies the deployed subject
- Deployment Validation evaluates the resulting subject after or during deployment

Deployment Validation also differs from configuration validation:

- Configuration validation evaluates configuration information before or independently of deployment
- Deployment Validation evaluates the state produced by a deployment

Deployment Validation may produce:

- A successful validation result
- A failed validation result
- One or more [Compliance Findings](#)

- Evidence supporting an acceptance or rejection decision

Definition

validation that evaluates a deployment result against identified acceptance criteria to determine whether the deployed subject satisfies the conditions established for its intended use

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

Deployment Validation should identify:

- The deployment being evaluated
- The deployed subject
- The applicable Deployment Baseline
- The applicable Acceptance Criteria
- The validation method
- The observed state
- The validation results
- The generated Evidence

Deployment Validation may occur:

- During deployment
- Immediately after deployment
- Before activation
- Before operational acceptance
- After a deployment-related change

A successful Deployment Validation does not by itself authorize operational use unless the applicable governance process assigns that effect to the validation result.

A failed Deployment Validation may initiate remediation, rollback, redeployment, or another defined response. Separate requirements govern those behaviors.

The term does not prescribe a particular validation tool, test framework, deployment method, platform, or implementation technology.

Example

After a Platform Deployment, Deployment Validation confirms that the required services are active, the expected network connections are available, the deployed configuration conforms to the applicable Security Baseline, and the resulting Infrastructure Environment satisfies its Acceptance Criteria.

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