

Validation Operation

[Go up to Terms and Definitions](#)

Discussion

A Validation Operation evaluates an identified subject against defined [Acceptance Criteria](#) and produces a Validation Result.

The subject of a Validation Operation can include:

- An [Artifact](#)
- A Build Operation result
- A [Deployment](#)
- A [Deployment Operation](#) result
- An Infrastructure Configuration
- An Infrastructure Environment
- A Platform Service
- A Workload
- A [Transfer Bundle](#)

A Validation Operation identifies:

- The subject being evaluated
- The Acceptance Criteria
- The evaluation procedure
- The observed results
- The resulting validation status

A Validation Operation produces an identifiable result whether the subject satisfies the Acceptance Criteria, fails to satisfy the Acceptance Criteria, or cannot be evaluated completely.

Within Crucible documentation, automated Validation Operations can execute as part of a [Workflow](#), [GitOps](#) process, or [CI/CD Pipeline](#).

Definition

operation that evaluates an identified subject against defined Acceptance Criteria and produces an identifiable Validation Result

Source

DIDO-controlled term adapted from established systems-engineering, software-testing, deployment-validation, and acceptance practices.

Note

A Validation Operation performs a bounded evaluation.

A validation definition identifies the criteria and procedures used by the Validation Operation.

A successful Validation Operation establishes only that the evaluated subject satisfies the Acceptance Criteria included in that operation. It does not establish satisfaction of criteria that the operation did not evaluate.

A Validation Operation differs from a compliance evaluation. A Validation Operation evaluates a subject against Acceptance Criteria, while a compliance evaluation determines conformity with compliance criteria, controls, policies, or baselines.

A Validation Operation differs from verification. Verification determines whether an implementation satisfies specified requirements, while validation determines whether an identified subject satisfies the criteria established for its intended use or acceptance.

Example

Crucible executes a Validation Operation after a Deployment Operation. The Validation Operation evaluates the deployed resources against defined Acceptance Criteria and records the resulting Validation Result.

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