

Deployment Operation

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Discussion

A Deployment Operation is an operation that creates, configures, updates, replaces, or removes an identified deployment subject within a target [Infrastructure Environment](#).

A Deployment Operation may apply to:

- [Infrastructure Resources](#)
- [Virtual Machines](#)
- [Kubernetes Clusters](#)
- [Containerized Workloads](#)
- [Platform Services](#)
- Configuration
- Relationships among deployed subjects

A Deployment Operation may:

- Create a deployment subject
- Configure a deployment subject
- Update a deployment subject
- Replace a deployment subject
- Remove a deployment subject
- Establish relationships among deployment subjects

A Deployment Operation may use:

- A [Crucible Description](#)
- An [Infrastructure Configuration](#)
- An [Infrastructure Baseline](#)
- A [Machine Image](#)
- A [Container Image](#)
- [Platform Independent Information](#)
- [Platform Specific Information](#)

A Deployment Operation differs from a deployment result:

- A Deployment Operation performs an action on a deployment subject
- A deployment result is the state produced by the Deployment Operation

A Deployment Operation differs from [Deployment Validation](#):

- A Deployment Operation creates or changes a deployment subject
- Deployment Validation evaluates the resulting state against applicable [Acceptance Criteria](#)

A Deployment Operation differs from [Deployment Rollback](#):

- A Deployment Operation produces an intended deployment change
- Deployment Rollback reverses the effects of an identified deployment

Definition

operation that creates, configures, updates, replaces, or removes an identified deployment subject within a target [Infrastructure Environment](#)

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

A Deployment Operation does not by itself establish that the resulting deployment:

- Satisfies applicable Acceptance Criteria
- Is compliant with an applicable [Baseline](#)
- Is authorized for operation
- Is secure
- Is available
- Is suitable for its intended purpose

Separate requirements govern Deployment Validation, compliance assessment, approval, activation, rollback, and retirement.

The term does not prescribe:

- A deployment tool
- A deployment language
- A cloud Provider
- A target platform
- An orchestration technology
- A deployment interface
- A connected or disconnected operating condition

Example

Crucible performs a Deployment Operation that creates a Virtual Machine from an identified Machine Image within a target Infrastructure Environment.

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