

Platform Deployment

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Discussion

Platform Deployment establishes an operational platform within a target [Infrastructure Environment](#).

The deployed platform may comprise:

- Operating-system components
- Runtime components
- Middleware
- Container services
- Data services
- Messaging services
- Identity and access services
- Monitoring services
- Logging services
- Security services
- Platform configuration
- Supporting [Artifacts](#)

Platform Deployment may perform activities such as:

- Retrieving identified platform Artifacts
- Installing platform components
- Applying platform configuration
- Establishing component relationships
- Starting platform services
- Evaluating deployment results
- Recording the deployed platform state

Platform Deployment differs from [Infrastructure Deployment](#):

- Infrastructure Deployment creates or modifies the infrastructure resources that constitute an Infrastructure Environment
- Platform Deployment installs and configures the platform capabilities that operate on or within that Infrastructure Environment

A Platform Deployment may depend on Infrastructure Deployment, but the architecture may perform the two deployments through separate workflows or combine them within a coordinated deployment process.

Platform Deployment also differs from application deployment:

- Platform Deployment establishes the services and runtime capabilities required to host or support applications
- Application deployment installs and configures an application on an available platform

Definition

deployment that installs and configures platform components and services within a target infrastructure environment

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

A Platform Deployment may use:

- [Machine Images](#)
- Container images
- Installation packages
- Configuration Artifacts
- Deployment specifications
- [Platform Deployment](#) scripts
- [Baselines](#)
- [Security Baselines](#)

Completion of a Platform Deployment does not by itself establish that the deployed platform satisfies its applicable [Acceptance Criteria](#).

The applicable requirements determine:

- Required platform components
- Required configuration
- Target Infrastructure Environment
- Permitted deployment methods
- Required validation
- Required records
- Required Evidence

The term does not prescribe a particular operating system, middleware product, container platform, cloud provider, deployment tool, or implementation technology.

Example

A Platform Deployment installs and configures container orchestration, identity, logging, monitoring, messaging, and security services within a prepared Infrastructure Environment.

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