

Target Environment

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Discussion

A Target Environment is the environment selected to receive, execute, host, verify, or operate a build artefact, software release, machine image, infrastructure baseline, or deployment.

The Target Environment establishes the applicable technical, security, compliance, connectivity, capacity, and operational constraints for the deployment.

A Target Environment may be a development, test, staging, production, recovery, cloud, on-premises, disconnected, or air-gapped environment.

The Target Environment influences image selection, infrastructure configuration, dependency availability, compliance requirements, provider capabilities, and deployment procedures.

Definition

environment selected to receive, execute, host, verify, or operate a build artefact, software release, machine image, infrastructure baseline, or deployment

Source

Generalized from systems engineering, software delivery, deployment, and operational-environment usage and specialized for the Crucible architecture and operational model.

Note

A Target Environment identifies the destination of a defined build or deployment activity. The same environment may serve as the Target Environment for one activity and as a source or build environment for another activity.

A Target Environment may contain one or more [Execution Environments](#).

Example

A deployment description identifies an air-gapped enclave as the Target Environment for a hardened Kubernetes platform. Crucible selects the required machine images, infrastructure definitions,

dependencies, and transfer process for that environment.

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Last update: **2026/07/13 11:01**

