

FR-DEP-004 — Deploy Containerized Workloads

[Go to Crucible Deployment Orchestration Requirements](#)

Statement

[Crucible](#) SHALL deploy [Containerized Workloads](#).

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, FR-DEP-004

The Original Requirement states:

The system shall deploy [Containerized Workloads](#).[\[C1\]](#)

FR-DEP-004:

- Replaces **The system** with the defined system name [Crucible](#)
- Changes **shall** to the established uppercase normative form **SHALL**
- Links **Containerized Workloads** to the controlling definition

No other substantive normalization is required.

Rationale

A [Containerized Workload](#) uses one or more containers to perform an application, service, processing, or platform function.

Deploying Containerized Workloads enables Crucible to establish container-based workloads through separately governed deployment workflows.

This requirement establishes Containerized Workload deployment without prescribing:

- The [Container Images](#)
- The target Container Platform
- The container runtime
- The orchestration platform
- The workload configuration

- Workload availability
- Workload scaling
- Deployment validation
- Deployment rollback
- Compliance assessment

Separate requirements define those subjects and behaviors.

Applies To

This requirement applies to:

- [Crucible](#)
- [Containerized Workloads](#)
- Containerized Workload deployment operations

Verification

Verification confirms that:

1. One or more Containerized Workloads are selected for deployment
2. [Crucible](#) executes a deployment operation for the selected Containerized Workloads
3. The completed deployment produces the selected Containerized Workloads
4. The resulting Containerized Workloads can be identified as outputs of the tested deployment

Referenced By

The following pages reference this requirement:

- [3.2 Deployment Environments](#)
- [5.5 Deploy the Environment](#)
- [6.2 Deploy in a Connected Environment](#)
- [7.6 Rebuild and Deploy](#)
- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

☐ Review and approve FR-DEP-004 as a leaf requirement.

Issues

- ☐ Determine whether separate requirements identify the Container Images and configuration used for each Containerized Workload deployment.
 - ☐ Determine whether separate requirements identify the Container Platform, Deployment Target, or Infrastructure Environment for each Containerized Workload deployment.
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Notes for Editors

This requirement page retains the stable requirement identifier FR-DEP-004.

This page is a leaf requirement page and omits a trailing :start from its namespace.

The Statement preserves the approved source intent by requiring Crucible to deploy Containerized Workloads.

Do not add Container Images, a target Container Platform, a container runtime, an orchestration platform, workload configuration, availability, scaling, rollback, validation, compliance-assessment, or retirement obligations unless the controlling requirement changes through an approved requirements process.

To reference this requirement Statement from another wiki page, insert:

```
{{section>dido:02-crusible:99-annexes:annex-c-requirements:03-functional-requirements:03-03-deployment-orchestration:fr-dep-004#Statement&noheader&nofooter&noeditbtn}}
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