

FR-DEP-002 — Deploy Virtual Machines

[Go to Crucible Deployment Orchestration Requirements](#)

Statement

[Crucible](#) SHALL deploy [Virtual Machines](#).

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, FR-DEP-002

The Original Requirement states:

The system shall deploy [virtual machines](#).[\[C1\]](#)

FR-DEP-002:

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

No other substantive normalization is required.

Rationale

A [Virtual Machine](#) provides a computing environment through virtualized processor, memory, storage, network, and related resources.

Deploying Virtual Machines enables Crucible to create virtualized computing resources through separately governed deployment workflows.

This requirement establishes the Virtual Machine deployment behavior without prescribing:

- The [Machine Image](#)
- The target Infrastructure Environment
- The virtualization platform
- The Virtual Machine configuration
- Runtime activation
- Deployment validation
- Deployment rollback

- Compliance assessment

Separate requirements define those subjects and behaviors.

Applies To

This requirement applies to:

- [Crucible](#)
- [Virtual Machines](#)
- Virtual Machine deployment operations

Verification

Verification confirms that:

1. One or more Virtual Machines are selected for deployment
2. [Crucible](#) executes a deployment operation for the selected Virtual Machines
3. The completed deployment produces the selected Virtual Machines
4. The resulting Virtual Machines 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-002 as a leaf requirement.

Issues

- ☐ Determine whether separate requirements identify the Machine Image and configuration used for each Virtual Machine deployment.
- ☐ Determine whether separate requirements identify the Deployment Target or Infrastructure Environment for each Virtual Machine deployment.

Notes for Editors

This requirement page retains the stable requirement identifier FR-DEP-002.

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 Virtual Machines.

Do not add a Machine Image, target Infrastructure Environment, Deployment Target, virtualization platform, runtime-activation, rollback, validation, compliance-assessment, or retirement obligation 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-002#Statement&noheader&nofooter&noeditbtn}}
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