

FR-IMG-001 — Build Virtual Machine Images

[Go to Crucible Image Management Requirements](#)

Statement

[Crucible](#) SHALL build [Machine Images](#).

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, FR-IMG-001

The Original Requirement states:

The system shall build virtual machine images.[\[C1\]](#)

FR-IMG-001:

- Replaces **The system** with the defined system name [Crucible](#)
- Changes **shall** to the established uppercase normative form **SHALL**
- Replaces **virtual machine images** with the defined term [Machine Images](#)

No other substantive normalization is required.

Rationale

A [Machine Image](#) provides the software, configuration, and other image content required to instantiate a virtual machine.

Building Machine Images enables Crucible to produce image [Artifacts](#) for use by separately governed verification, signing, promotion, distribution, and deployment activities.

Applies To

This requirement applies to:

- [Crucible](#)
- [Machine Images](#)
- Machine Image build operations

Verification

Verification confirms that:

1. [Crucible](#) executes a Machine Image build
2. The completed build produces a [Machine Image](#)
3. The resulting Machine Image can be identified as the output of the tested build

Referenced By

The following pages reference this requirement:

- [5.2 Construct Images](#)
- [6.1 Construct and Assess the Environment](#)
- [7.6 Rebuild and Deploy](#)
- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

☐ Review and approve FR-IMG-001 as a leaf requirement.

Issues

☐ Determine whether separate requirements define the minimum required contents of a Machine Image.

Notes for Editors

This requirement page retains the stable requirement identifier FR-IMG-001.

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 build Machine Images.

Do not add image composition, hardening, signing, verification, promotion, compliance assessment, distribution, or deployment obligations to the Statement 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:03-02-image-management:fr-img-001#Statement&noheader&nofooter&noeditbtn}}
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