

FR-BAS-001 — Consume Baseline Repositories from a Workspace

[Go to C.3.9 Baseline Composition and Workspace](#)

Statement

Crucible SHALL consume [Baseline Repositories](#) containing [Image Layers](#) or [Infrastructure Baselines](#) from a [Workspace](#).

Derived From

This requirement derives from:

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

The Original Requirement states:

The system shall consume image-layer and infrastructure-baseline repositories from a checked-out workspace.[\[C1\]](#)

FR-BAS-001:

- Replaces **The system** with the defined system name [Crucible](#)
- Changes **shall** to the established uppercase normative form **SHALL**
- Replaces **image-layer and infrastructure-baseline repositories** with the controlled [Baseline Repository](#), [Image Layer](#), and [Infrastructure Baseline](#) concepts
- Replaces **checked-out workspace** with the controlled term [Workspace](#)
- Uses **or** so a Workspace can contain an Image Layer repository, an Infrastructure Baseline repository, or both

No other substantive normalization is required.

Rationale

A [Workspace](#) provides the bounded working context in which selected repository content is available to Crucible operations.

Consuming [Baseline Repositories](#) from a Workspace enables [Crucible](#) to use identified [Image Layers](#) and [Infrastructure Baselines](#) as inputs to later operations, including [Baseline Selection](#) and [Baseline Composition](#).

This requirement allows a Workspace to contain:

- One or more Baseline Repositories containing Image Layers
- One or more Baseline Repositories containing Infrastructure Baselines
- Both types of Baseline Repository

This requirement establishes consumption of Baseline Repositories from a Workspace without prescribing:

- A particular repository-hosting service
- A particular repository layout
- A particular checkout mechanism
- A particular [Git](#) branch
- A particular [Revision](#)
- Repository authentication or authorization
- [Baseline Selection](#)
- [Baseline Composition](#)
- Application-source inclusion
- Deployment or validation behavior

Separate requirements, architecture specifications, repository profiles, and [Workflow](#) definitions govern those subjects and behaviors.

Applies To

This requirement applies to:

- [Crucible](#)
- [Workspaces](#)
- [Baseline Repositories](#)
- [Image Layers](#)
- [Infrastructure Baselines](#)

Verification

Verification confirms that:

1. A [Workspace](#) containing at least one [Baseline Repository](#) is selected for testing
2. The selected Baseline Repository contains one or more [Image Layers](#) or [Infrastructure Baselines](#)
3. [Crucible](#) accesses the selected Baseline Repository from the Workspace
4. Crucible consumes the Image Layers or Infrastructure Baselines contained in the selected Baseline Repository
5. The consumed repository content can be identified as input to the tested Crucible operation

Referenced By

The following pages reference this requirement:

- [5.1 Select and Compose Baselines](#)
- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

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

- ☐ Determine whether separate requirements identify the Baseline Repository revisions that Crucible must consume.
- ☐ Determine whether separate requirements govern repository authentication, authorization, and credential management.
- ☐ Determine whether separate requirements define the Workspace structure used to locate and distinguish Baseline Repositories.
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Notes for Editors

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

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

The Statement uses the following controlling Terms and Definitions entries:

- [Baseline Repository](#)
- [Image Layer](#)
- [Infrastructure Baseline](#)
- [Workspace](#)

The Statement permits consumption of a Baseline Repository containing Image Layers, a Baseline Repository containing Infrastructure Baselines, or both.

FR-BAS-002 governs composition of selected Baselines.

FR-BAS-003 governs processing of predeployment and postdeployment steps.

FR-BAS-004 governs noninteractive Workspace execution.

Do not add particular repository providers, repository layouts, checkout mechanisms, branches, revisions, authentication methods, Baseline Selection behavior, or Baseline Composition behavior 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:03-09-baseline-composition-and-workspace:fr-bas-001#Statement&noheader&nofooter&noeditbtn}}
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