

FR-UI-003 — Web-Based User Interface

[Go to C.3.11 Crucible Interfaces](#)

Statement

Crucible SHALL provide a [Web-Based User Interface \(Web UI\)](#) for invoking Crucible operations and observing their results.

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, FR-UI-001
- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, FR-UI-002

The Original Requirements establish a web-based interface for managing multiple [Infrastructure Environments](#) and require the web-based interface to use the same engine and command-line capabilities as the primary command-line interface.[\[C1\]](#)

FR-UI-003:

- Identifies [Crucible](#) as the required system
- Replaces the broad phrase **web-based management interface** with the controlled term [Web-Based User Interface \(Web UI\)](#)
- Expresses provision of the Web-Based User Interface as a direct and independently verifiable requirement
- Identifies invocation of Crucible operations and observation of their results as the interface behavior
- Separates provision of the Web-Based User Interface from shared interface operations
- Separates provision of the Web-Based User Interface from provision of the Command-Line Interface

FR-UI-001 separately governs operations exposed through both interfaces.

FR-UI-002 separately requires the [Command-Line Interface \(CLI\)](#).

Rationale

A [Web-Based User Interface \(Web UI\)](#) provides a browser-accessible graphical interface through which a person can interact with Crucible.

The Web-Based User Interface enables a user to invoke Crucible operations and observe their

resulting status, output, or other observable result without requiring direct command-line interaction.

Providing a Web-Based User Interface gives users an additional access path while preserving the [Command-Line Interface \(CLI\)](#) for interactive command-line use, scripts, automated [Workflows](#), and [CI/CD Pipelines](#).

This requirement establishes a Web-Based User Interface without prescribing:

- A particular web browser
- A particular web framework
- A particular visual design
- A particular navigation structure
- A particular page layout
- A particular presentation technology
- A particular client-side framework
- A particular server-side framework
- A particular authentication mechanism
- A particular internal implementation
- A particular set of Crucible operations
- Replacement of the Command-Line Interface
- Duplication of operation implementations

Separate requirements, architecture specifications, interface specifications, security requirements, and user-experience specifications govern those subjects.

Applies To

This requirement applies to:

- [Crucible](#)
- [Web-Based User Interface \(Web UI\)](#)
- Crucible operations exposed through the Web-Based User Interface
- Results produced by operations invoked through the Web-Based User Interface

Verification

Verification confirms that:

1. [Crucible](#) provides a [Web-Based User Interface \(Web UI\)](#)
2. A test user can access the Web-Based User Interface through a supported web browser
3. The test user can invoke an identified Crucible operation through the Web-Based User Interface
4. The Web-Based User Interface accepts the inputs required by the selected operation
5. Crucible performs the selected operation
6. The Web-Based User Interface presents an observable operation result
7. The Web-Based User Interface presents an observable completion or execution status

Referenced By

The following pages reference this requirement:

- [9.3 Web-Based User Interface](#)
- [C.3.11 Crucible Interfaces](#)
- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

- ☐ Review and approve FR-UI-003 as a leaf requirement.
-

Issues

- ☐ Confirm which Crucible operations the Web-Based User Interface must expose.
 - ☐ Confirm whether the Web-Based User Interface must support management of multiple Infrastructure Environments as an explicit requirement.
 - ☐ Determine whether separate requirements define browser support, accessibility, authentication, session management, status presentation, error reporting, and result presentation.
-

Notes for Editors

This requirement page retains the stable requirement identifier FR-UI-003.

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:

- [Crucible](#)
- [Web-Based User Interface \(Web UI\)](#)

The Statement addresses provision of a Web-Based User Interface for invoking Crucible operations and observing their results.

FR-UI-001 governs operations exposed through both the Web-Based User Interface and the [Command-Line Interface \(CLI\)](#).

FR-UI-002 governs provision of the Command-Line Interface.

The Web-Based User Interface provides an additional interface and does not replace the Command-Line Interface.

The term **observe** requires an operation result or status to be available through the Web-Based User Interface. It does not require every operation to complete synchronously or remain within a single browser interaction.

Do not add particular browsers, web frameworks, page structures, presentation technologies, authentication mechanisms, operation sets, or user-experience 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:03-11-management-interfaces:fr-ui-003#Statement&noheader&nofooter&noeditbtn}}
```

© 2026 Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

From:
<https://wiki.didosolutions.com/> - Dido Solutions, Inc Wiki

Permanent link:
<https://wiki.didosolutions.com/dido/02-crusible/99-annexes/annex-c-requirements/03-functional-requirements/03-11-management-interfaces/fr-ui-003>

Last update: 2026/07/31 07:34

