

FR-CFG-001 — Declarative Infrastructure Configuration

[Go to Crucible Configuration Management Requirements](#)

Statement

[Crucible](#) SHALL define [infrastructure](#) through [Declarative Configuration](#).

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, Configuration Management, FR-CFG-001

The Original Requirement states:

The system SHALL define infrastructure through declarative configuration.[\[C1\]](#)

FR-CFG-001 replaces **The system** with the defined system name [Crucible](#).

No other substantive normalization is required.

Rationale

[Declarative Configuration](#) defines the required [infrastructure](#) without requiring the configuration to prescribe the procedural steps used to realize it.

This separation allows infrastructure definitions to remain independent of the implementation tools and execution mechanisms used to create or modify the infrastructure.

Applies To

This requirement applies to:

- [Crucible](#)
- [Infrastructure](#)
- [Declarative Configuration](#)

Verification

Verification confirms that:

1. [Crucible](#) accepts or produces a [Declarative Configuration](#) that defines [infrastructure](#)
2. The tested Declarative Configuration identifies the infrastructure defined by the configuration
3. The tested Declarative Configuration expresses the required infrastructure without depending on a prescribed procedural execution sequence

Referenced By

The following pages reference this requirement:

- [Annex D: Requirements Traceability](#)

Delivery Phase

Phase 1 and subsequent phases

Implementation Status

☐ Assess whether the current Crucible implementation defines infrastructure through Declarative Configuration.

Requirement Status

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

Issues

☐ Determine the minimum information required for a Declarative Configuration to define infrastructure.

Notes for Editors

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

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

The Statement preserves the approved source intent and changes only the actor from **The system** to the defined system name [Crucible](#).

Do not add desired-state representation, Infrastructure Environment identification, execution-sequence constraints, validation, approval, versioning, deployment, or history 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:03-01-configuration-management:fr-cfg-001#Statement&noheader&nofooter&noeditbtn}}
```

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