

FR-CFG-004 — Environment Inheritance

[Go to Crucible Configuration Management Requirements](#)

Statement

Crucible SHALL derive an [Infrastructure Configuration](#) from an identified parent Infrastructure Configuration.

Derived From

This requirement derives from:

- Crucible System Requirements Specification, Version 1.1 Draft, Functional Requirements, Configuration Management, FR-CFG-004

The Original Requirement states:

The system SHALL support environment inheritance models.[\[C1\]](#)

FR-CFG-004:

- Replaces **The system** with the defined system name [Crucible](#)
- Replaces the weak phrase **support environment inheritance models** with the observable behavior **derive**
- Identifies an Infrastructure Configuration as the subject of inheritance
- Identifies a parent Infrastructure Configuration as the source of inherited configuration content

Rationale

Environment inheritance allows related [Infrastructure Environments](#) to share common configuration content.

A derived Infrastructure Configuration uses configuration content from an identified parent Infrastructure Configuration rather than duplicating the complete configuration.

This approach reduces configuration duplication and promotes consistency among related Infrastructure Environments.

Applies To

This requirement applies to:

- [Crucible](#)
- [Infrastructure Configurations](#)
- Parent Infrastructure Configurations
- Derived Infrastructure Configurations
- [Infrastructure Environments](#)

Verification

Verification confirms that:

1. A tested Infrastructure Configuration identifies a parent Infrastructure Configuration
2. [Crucible](#) derives the tested Infrastructure Configuration from the identified parent Infrastructure Configuration
3. The derived Infrastructure Configuration contains configuration content obtained from the identified parent Infrastructure Configuration
4. The relationship between the derived Infrastructure Configuration and its identified parent can be determined

Referenced By

The following pages reference this requirement:

- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

- ☐ Review and approve FR-CFG-004 as a leaf requirement.
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Issues

- ☐ Determine whether Environment Inheritance requires a controlled definition in the shared Terms and Definitions corpus.
- ☐ Determine whether separate requirements define overrides, inheritance depth, conflict resolution, or inheritance from multiple parent Infrastructure Configurations.

Notes for Editors

This requirement page retains the stable requirement identifier FR-CFG-004.

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 derive an Infrastructure Configuration from an identified parent Infrastructure Configuration.

Do not add explicit override behavior, conflict resolution, inheritance depth, multiple-parent inheritance, validation, approval, deployment, revision history, provenance, or traceability 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-004#Statement&noheader&nofooter&noeditbtn}}
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