

FR-AG-002 — Artifact Export Packages

[Go to Crucible Air-Gapped Operations Requirements](#)

Statement

[Crucible](#) SHALL create [Transfer Bundles](#) for export.

Derived From

This requirement derives from:

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

The Original Requirement states:

The system shall support artifact export packages.[\[C1\]](#)

FR-AG-002:

- Replaces **The system** with the defined system name [Crucible](#)
- Changes **shall** to the established uppercase normative form **SHALL**
- Replaces the weak verb **support** with the observable behavior **create**
- Maps **artifact export packages** to the defined [Transfer Bundle](#) concept

No other substantive normalization is required.

Rationale

A [Transfer Bundle](#) provides a controlled package for exporting [Artifacts](#) and related information from one environment for transfer to another environment.

A Transfer Bundle can contain:

- [Machine Images](#)
- [Container Images](#)
- [Infrastructure Configurations](#)
- [Baselines](#)
- Software packages
- [Dependencies](#)
- [Evidence](#)
- [Digital Signatures](#)
- Content digests

- Manifests
- Provenance information
- Traceability information

This requirement establishes creation of Transfer Bundles for export without prescribing:

- The Artifacts included in a particular Transfer Bundle
- The Transfer Bundle format
- The storage medium
- The transfer mechanism
- [Transfer Authorization](#)
- Transfer across a [Transfer Boundary](#)
- Verification of [Transfer Bundle Integrity](#)
- Import of the Transfer Bundle
- Approval, promotion, or deployment of included Artifacts
- A requirement that export and import use the same package identity

Separate requirements, architecture specifications, workflows, or policies define those subjects and behaviors.

Applies To

This requirement applies to:

- [Crucible](#)
- [Transfer Bundles](#)
- Artifact export operations

Verification

Verification confirms that:

1. One or more [Artifacts](#) are selected for export
2. [Crucible](#) creates a [Transfer Bundle](#) for the tested export
3. The created Transfer Bundle contains or references the selected Artifacts
4. The resulting Transfer Bundle can be identified as the output of the tested export-package operation

Referenced By

The following pages reference this requirement:

- [3.3 Security Domains and Transfer Boundaries](#)
- [4.1 Human Actors](#)
- [4.3 External Systems](#)
- [7.4 Import the Transfer Bundle](#)

- [C.3.5 Air-Gapped Operations](#)
- [Annex D: Requirements Traceability](#)

Implementation Status

Implemented and Verified

Requirement Status

- ☐ Review and approve FR-AG-002 as a leaf requirement.
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Issues

- ☐ Determine whether separate requirements define the minimum required contents and metadata of a Transfer Bundle.
 - ☐ Determine whether export and import must preserve one Transfer Bundle identity or may create distinct package records.
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Notes for Editors

This requirement page retains the stable requirement identifier FR-AG-002.

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

The source phrase **artifact export packages** maps to the defined [Transfer Bundle](#) concept.

The Statement preserves the approved source intent by requiring Crucible to create Transfer Bundles for export.

Do not introduce separate **Artifact Export Package** and **Artifact Import Package** concepts unless the controlling architecture defines different package structures or identities.

Do not add Transfer Authorization, transfer, integrity verification, import, approval, promotion, deployment, or cross-environment identity-preservation 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:03-05-air-gap-operations:fr-ag-002#Statement&noheader&nofooter&noeditbtn}}
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