

C2 - Crucible Concept of Operations

[Go to Annex B: References](#)

Citation

Dido Solutions, Inc. and Jackrabbit Consulting, Inc., *Crucible Concept of Operations (ConOps)*, Version 1.0 Accepted, 6 June 2026.

Reference Identifier

[C2]

Document Title

Crucible Concept of Operations

Document Type

Concept of Operations

Version

Version 1.0

Date

6 June 2026

Issuing Organizations

- Dido Solutions, Inc.
- Jackrabbit Consulting, Inc.

Description

The Crucible Concept of Operations describes how Crucible is intended to operate.

The document defines the Phase 1 operational concept in which the forge command-line utility runs non-interactively as one or more CI/CD pipeline steps. It describes baseline composition, Machine Image construction, dependency and compliance-finding capture, infrastructure deployment, connected-to-disconnected transfer, and compliance Evidence generation.

The document also records the future Phase 2 web-management concept and the strategic, unscheduled direction toward increased native execution.

The Concept of Operations contextualizes the [\[C1\] Crucible System Requirements Specification](#) and remains subordinate to the System Requirements Specification and the Engineering Constitution. Where the Concept of Operations conflicts with an approved requirement, the approved requirement controls. :contentReference[oaicite:0]{index=0}

Document Status

Accepted

The project owner accepted Version 1.0 on 6 June 2026.

Operational Concepts

The Concept of Operations addresses:

- Phase 1 command-line operation
- CI/CD pipeline integration
- Image-layer baseline composition
- Infrastructure baseline composition
- Optional application source
- Machine Image construction
- Dependency capture
- Compliance-finding capture
- Infrastructure deployment
- Connected-to-disconnected transfer
- Offline package-repository population
- Compliance Evidence supporting SCTM, RMF, and ATO activities
- Phase 2 web management
- Strategic native execution

Related Requirements

The Concept of Operations provides operational context for:

- FR-BAS-001 through FR-BAS-004
- FR-DSO-001 through FR-DSO-006
- FR-DEPC-001 through FR-DEPC-005
- FR-AG-001 through FR-AG-005
- FR-COMP-008 through FR-COMP-010
- FR-UI-001 through FR-UI-002
- INT-001
- INT-002
- FUT-007 through FUT-009

Related Architecture Decisions

The Concept of Operations identifies relationships to:

- ADR-003, Baseline Composition
- ADR-004, Dependency Capture and Offline Transfer
- ADR-005, Operating-System-Agnostic Compliance Engine
- ADR-006, Native Execution Strategy
- ADR-007, Interface Phasing

Related Documents

- [\[C1\] Crucible System Requirements Specification](#)
- [Annex C: Requirements](#)

Citation Format

Use the following link when citing this reference:

```
[[dido:02-crusible:99-annexes:annex-b:cr-002:start|[[C2]]]]
```

For a requirement ConOps Relationship section:

```
===== ConOps Relationship =====
```

```
The Crucible Concept of Operations describes this requirement as part of the  
Phase 1 CI/CD-embedded workflow [[dido:02-crusible:99-annexes:annex-  
b:cr-002:start|[[C2]]]].
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Notes for Editors

Maintain this page as the stable citation target for the Crucible Concept of Operations.

Update the version, date, document status, and citation when a new controlled revision supersedes Version 1.0.

Preserve the reference identifier [C2] and the namespace cr-002.

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