

Table of Contents

- 1. Introduction
 - 1.1 Purpose
 - 1.2 Scope
 - 1.3 Intended Audience
 - 1.4 Relationship to Requirements and Architecture
 - 1.5 Document Conventions
- 2. 2. Operational Purpose and Mission
 - 2.1 Operational Need
 - 2.2 Crucible Mission
 - 2.3 Operational Objectives
 - 2.4 Operational Boundaries
 - 2.5 Assumptions and Constraints
- 3. 3. Operational Context
 - 3.1 Connected Environments
 - 3.2 Disconnected Environments
 - 3.3 Air-Gapped Environments
 - 3.4 Infrastructure Environments
 - 3.5 Deployment Targets
 - 3.6 Security Domains
 - 3.7 Transfer Boundaries
- 4. 4. Actors and Responsibilities
 - 4.1 Developer
 - 4.2 DevSecOps Engineer
 - 4.3 Platform Engineer
 - 4.4 Security and Compliance Officer
 - 4.5 Enclave Operator
 - 4.6 CI/CD System
 - 4.7 External Tools and Services
- 5. 5. Operational Concept
 - 5.1 Prepare the Workspace
 - 5.2 Select and Compose Baselines
 - 5.3 Build Machine and Container Images
 - 5.4 Capture and Preserve Dependencies
 - 5.5 Perform Compliance Assessment
 - 5.6 Deploy Infrastructure and Platform Services
 - 5.7 Validate the Deployment
 - 5.8 Produce Operational Evidence
 - 5.9 Complete the Operational Cycle
- 6. 6. Connected Operations
 - 6.1 CI/CD-Initiated Execution
 - 6.2 Git-Based and GitOps Workflows
 - 6.3 Baseline Repository Consumption
 - 6.4 Image Build and Promotion
 - 6.5 Infrastructure Deployment
 - 6.6 Multi-Cloud and Hybrid-Cloud Operations
 - 6.7 Edge Deployment
 - 6.8 Centralized Management of Distributed Environments
- 7. 7. Disconnected and Air-Gapped Operations

- 7.1 Capture Build Dependencies
- 7.2 Preserve Dependencies in the Dependency Store
- 7.3 Produce the Transfer Bundle
- 7.4 Transfer Across the Boundary
- 7.5 Import the Transfer Bundle
- 7.6 Populate Offline Repositories
- 7.7 Rebuild and Deploy in a Disconnected Environment
- 7.8 Preserve Traceability Across Environments
- 8. 8. Compliance and Authorization Operations
 - 8.1 Define Compliance Baselines
 - 8.2 Execute Compliance Scans
 - 8.3 Generate Compliance Reports
 - 8.4 Generate Compliance Evidence Artifacts
 - 8.5 Support DISA STIG Compliance
 - 8.6 Support FedRAMP Compliance
 - 8.7 Support User-Defined Compliance Frameworks
 - 8.8 Generate SCTM Evidence
 - 8.9 Generate RMF Evidence
 - 8.10 Generate ATO Evidence
 - 8.11 Transfer Compliance Findings
- 9. 9. Crucible Interfaces
 - 9.1 Shared Interface Operations
 - 9.2 Command-Line Interface
 - 9.3 Web-Based User Interface
 - 9.4 Interactive and Noninteractive Execution
 - 9.5 Interface Results and Status
- 10. Annexes
 - Annex A: Acronyms
 - Annex B: References
 - Annex C: Requirements
 - C.1 Source Requirements
 - C.2 Mission Objectives
 - C.3 Operational Requirements
 - C.4 Functional Requirements
 - C.5 Constraints
 - 4. Annex D: Issues

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

Permanent link:
<https://wiki.didosolutions.com/dido/02-crucible/00-toc/start?rev=1785575132>

Last update: **2026/08/01 02:05**

