

C.3.8 DevSecOps Integration

[Go to Crucible Functional Requirements](#)

The DevSecOps Integration [requirements](#) define how [Crucible](#) participates in Git-based workflows, applies GitOps practices, operates as part of a [CI/CD Pipeline](#), and performs automated build, deployment, and validation activities.

Together, these requirements establish noninteractive and automated workflow behavior that contributes to controlled change, repeatable execution, [Reproducibility](#), [Provenance](#), and [Traceability](#).

Contents

- [FR-DSO-001 — Git-Based Workflow Integration](#)
- [FR-DSO-002 — GitOps Workflow Integration](#)
- [FR-DSO-003 — CI/CD Pipeline Integration](#)
- [FR-DSO-004 — Automated Build Execution](#)
- [FR-DSO-005 — Automated Deployment Execution](#)
- [FR-DSO-006 — Automated Validation Execution](#)

Notes for Editors

The individual requirement pages should retain the stable identifiers FR-DSO-001 through FR-DSO-006.

Individual requirement pages are leaf nodes and should not include a trailing `:start` in their namespaces.

The Source Statement on each requirement page should preserve the original wording from the controlling System Requirements Specification.

Normalized Statements should use direct, testable behavior and should identify the applicable repository state, workflow event, [CI/CD Pipeline](#) operation, input [Artifact](#), and required result.

Verification criteria should test only the behavior stated in the normalized Statement and should not introduce additional normative obligations.

Incoming [Traceability](#) should use the wiki Backlinks function rather than a manually maintained list.

To reference a requirement Statement from another wiki page, insert:

```
{{section><namespace>#Statement&noheader&nofooter&noeditbtn}}
```

Replace `<namespace>` with the namespace of the requirement leaf page.

The section name following `#` SHALL match the section heading verbatim on the requirement page.

Do not rename a requirement page after an external citation unless a redirect or move plan is in place.

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