

MO-003 — Cloud-Agnostic Deployment

[Go to Mission Objectives](#)

Original Requirement

The system SHALL provide cloud-agnostic deployment capabilities.[\[C3\]](#)

Assessment of Original Requirement

The Original Requirement preserves the approved mission objective but does not express independently testable normative statements.

The following Specification Discipline and Authoring findings apply:

- **The system** does not use the defined system name [Crucible](#)
- **Provide** is a weak verb that does not identify the behavior Crucible performs
- **Cloud-agnostic** refers to the defined concept [Cloud Agnosticism](#), but the Original Requirement does not identify the architectural dependencies that Crucible is required to limit
- **Deployment capabilities** does not identify the deployable subject, deployment inputs, target [Deployment Platforms](#), or required deployment outcome
- The Original Requirement does not identify the proprietary interfaces, services, data formats, software development kits, or operational mechanisms from which Crucible limits dependence
- The Original Requirement does not identify the provider-independent concepts, contracts, or interfaces through which Crucible expresses common deployment capabilities
- The Original Requirement does not identify the boundary between provider-independent Crucible behavior and provider-specific implementation behavior
- The Original Requirement does not identify the minimum number of Deployment Platforms required to demonstrate cross-platform deployment
- The Original Requirement does not identify whether the same [Crucible Description](#) applies across the target Deployment Platforms
- The Original Requirement does not identify whether the same [Infrastructure Baseline](#) applies across the target Deployment Platforms
- The Original Requirement does not identify the permitted scope of provider-specific variation
- The Original Requirement does not provide independently identifiable statements for verification and traceability

[Cloud Agnosticism](#) limits dependence on the proprietary interfaces, services, data formats, software development kits, and operational mechanisms of a particular Cloud Provider. A cloud-agnostic architecture expresses common capabilities through provider-independent concepts, contracts, and interfaces while provider-specific implementations translate those capabilities into provider-specific mechanisms. :contentReference[oaicite:0]{index=0}

The previously normalized Statement also combined cross-platform deployment, common Crucible Description use, common Infrastructure Baseline use, and limitation of provider-specific dependencies within one compound normative statement. Those obligations can pass or fail independently.

The Original Requirement therefore requires decomposition into independently identifiable normative requirements.

The decomposition preserves MO-003 as the stable parent requirement identifier. Each replacement requirement receives a lettered identifier and a separate requirement page.

Proposed Statements

The Original Requirement is replaced by the following independently identifiable normative requirements:

- [MO-003a — Cross-Platform Deployment](#)
- [MO-003b — Provider-Independent Crucible Description](#)
- [MO-003c — Provider-Independent Infrastructure Baseline](#)
- [MO-003d — Limitation of Provider-Specific Dependencies](#)

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