

Offline Repository

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Discussion

An Offline Repository is a repository that makes controlled content available within an environment without requiring direct access to the original external source.

The repository may provide operating-system packages, software packages, container images, provider packages, source content, compliance content, or other dependencies needed for build, deployment, maintenance, or recovery.

An Offline Repository is populated through an approved transfer, synchronization, import, replication, or staging process.

Within Crucible, a [Transfer Bundle](#) may populate an Offline Repository inside a [Disconnected Environment](#) or [Air-Gapped Environment](#).

Definition

repository that makes controlled content available without requiring direct access to the original external source

Source

Generalized from package management, software distribution, disconnected operations, repository mirroring, and infrastructure management and specialized for the Crucible architecture and operational model.

Note

Offline describes the repository's independence from the original external source during use. It does not mean that the repository cannot operate on an internal network.

An Offline Repository should preserve sufficient identity, version, integrity, and provenance information to support controlled use of its contents.

Example

An air-gapped enclave imports a Transfer Bundle and creates an Offline Repository containing the [Red Hat Enterprise Linux \(RHEL\) 9](#) packages required to rebuild and update approved Machine Images without external network access.

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