

Image Catalog

[Go up to Terms and Definitions](#)

Discussion

An Image Catalog is a controlled collection of [Image Records](#) used to identify, locate, compare, select, and govern available [Machine Images](#).

The catalog may record image identities, versions, operating systems, processor architectures, capabilities, compliance postures, source revisions, provider identifiers, integrity information, lifecycle status, and associated evidence.

An Image Catalog supports image selection by allowing deployment and composition processes to compare image requirements with the characteristics of available images.

Within Crucible, the Image Catalog may connect a built image with its provider-specific realizations, controlled inputs, compliance results, and [Provenance](#).

Definition

controlled collection of [image records](#) used to identify, locate, compare, select, and govern available [machine images](#)

Source

Generalized from artifact catalog, image registry, configuration management, cloud-image management, and software inventory usage and specialized for the Crucible architecture and operational model.

Note

An Image Catalog records information about Machine Images. It does not necessarily store the image content itself.

An Image Catalog differs from a container registry or package repository because its primary purpose is to describe and govern Machine Images and their realizations.

Example

An Image Catalog records a hardened [Red Hat Enterprise Linux \(RHEL\) 9 Kubernetes](#) image, its processor architecture, source revisions, compliance results, cryptographic digest, OCI image identifier, and approved lifecycle status.

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