

Package

[Go to Terms and Definitions](#)

Discussion

A Package is a composite [Artifact](#) assembled and distributed as an identifiable unit.

A Package may contain one or more Artifacts together with metadata needed to identify, verify, install, load, configure, or use the Package.

A Package commonly has:

- name
- version
- producer or supplier
- package format
- manifest or other descriptive metadata
- One or more dependencies
- cryptographic digest
- digital signature
- Installation, loading, or use instructions

A Package may be produced internally or delivered by a third party.

Different versions of a Package constitute different managed versions of the same Package. A Package version may also have multiple [Artifact Representations](#) for different operating systems, processor architectures, or package formats.

A Package remains distinct from a Bundle. A Package is independently identified and distributed as a unit, while a Bundle may assemble selected Packages and other Artifacts for a defined delivery, deployment, or operational purpose.

Definition

composite Artifact assembled and distributed as an identifiable unit

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

A Package is an Artifact, but not every Artifact is a Package.

A Package may contain other Artifacts without changing the identities of those Artifacts.

The term does not require a particular package manager, archive format, repository product, operating system, or implementation technology.

A Package stored or referenced by Crucible is described by an [Artifact Catalog Record](#).

Example

A third-party PostgreSQL RPM containing executable files, software libraries, configuration content, dependency metadata, and installation information is a Package.

Separate RPMs (i.e., package manager) built for Red Hat Enterprise Linux on x86-64 and ARM64 are distinct Artifact Representations of the applicable Package version.

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