

Provider Implementation

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Discussion

A Provider Implementation realizes defined capabilities through the products, services, interfaces, resource types, and operational mechanisms supplied by a particular provider.

The provider may supply:

- Cloud infrastructure
- Hosting services
- Compute services
- Storage services
- Network services
- Identity services
- Security services
- Monitoring services
- Data services
- Messaging services
- Platform services
- Deployment interfaces

A Provider Implementation may consume [Platform Specific Information](#) such as:

- Resource identifiers
- Service names
- Image identifiers
- Machine types
- Regions
- Network identifiers
- Storage classes
- Credentials
- Provider-specific configuration values
- [Platform Specific Parameters](#)

A Provider Implementation differs from the provider organization:

- The provider organization is the entity that supplies products or services
- The Provider Implementation is the technical realization supplied by that entity

A Provider Implementation also differs from [Platform Independent Information](#):

- Platform Independent Information describes implementation-neutral intent
- A Provider Implementation realizes that intent through provider-specific technologies and mechanisms

Multiple Provider Implementations may realize the same platform-independent specification through

different Platform Specific Information.

Definition

implementation that realizes defined capabilities through the products, services, interfaces, and operational mechanisms supplied by a particular provider

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

A Provider Implementation may be:

- Public cloud
- Private cloud
- Community cloud
- Hybrid cloud
- On-premises infrastructure
- Hosted infrastructure
- Virtualized infrastructure
- Physical infrastructure

The term does not imply that the provider supplies every component used by the implementation.

A Provider Implementation may incorporate third-party products, open-source components, external services, or customer-managed resources.

Conformance of one Provider Implementation does not establish conformance of another Provider Implementation.

Example

One Provider Implementation realizes a platform-independent compute, storage, and networking specification through one cloud provider's virtual-machine, block-storage, virtual-network, and identity services. Another Provider Implementation realizes the same specification through corresponding services supplied by a different provider.

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