

Infrastructure Blueprint

[Go to Terms and Definitions](#)

Discussion

An Infrastructure Blueprint defines a reusable infrastructure pattern that can be applied to two or more [Infrastructure Environments](#).

The blueprint identifies common infrastructure structure and intent without binding that structure to one environment instance. The blueprint may identify:

- Infrastructure resource types
- Relationships among resources
- Required configuration properties
- Configurable parameters
- Applicable constraints
- Applicable [Baseline](#) references
- Required security and operational characteristics

An Infrastructure Blueprint differs from an [Infrastructure Configuration](#):

- The Infrastructure Blueprint defines reusable infrastructure structure and common configuration intent
- The Infrastructure Configuration specifies the desired state of an identified Infrastructure Environment

Applying an Infrastructure Blueprint may produce or contribute to an Infrastructure Configuration for a particular Infrastructure Environment.

Environment-specific values may be supplied through parameters, inherited configuration, or explicit overrides without changing the reusable blueprint content.

Definition

reusable specification of infrastructure resources, relationships, configurable properties, and constraints applicable to two or more infrastructure environments

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

An Infrastructure Blueprint does not represent a deployed Infrastructure Environment.

An Infrastructure Blueprint may use a declarative and machine-readable representation.

The term does not require a particular configuration language, file format, provisioning technology, cloud provider, virtualization platform, container platform, or operating system.

Changes to environment-specific parameters do not constitute changes to the Infrastructure Blueprint when the reusable blueprint content remains unchanged.

Example

An Infrastructure Blueprint specifies a common application environment comprising compute, storage, network, access-control, logging, and monitoring resources. Development, test, and production Infrastructure Configurations apply the same blueprint with different capacity, address, retention, and access values.

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