

Infrastructure Baseline

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Discussion

An Infrastructure Baseline is a [Baseline](#) that identifies the controlled definitions, inputs, constraints, relationships, and processes used to provision, configure, verify, and manage infrastructure.

The Infrastructure Baseline may identify requirements for compute, storage, networking, identity, security, monitoring, provider, topology, capacity, image, and lifecycle.

An Infrastructure Baseline defines the intended infrastructure configuration independently of a particular deployed instance. A deployment realizes the Baseline within a selected [Target Environment](#).

Within Crucible, an Infrastructure Baseline may reside in a versioned repository that a [Crucible Description](#) references and pins to an exact revision.

Definition

[baseline](#) that identifies the controlled definitions, inputs, constraints, relationships, and processes used to provision, configure, verify, and manage infrastructure

Source

Generalized from infrastructure as code, configuration management, deployment automation, and systems-engineering usage and specialized for the Crucible architecture and operational model.

Note

An Infrastructure Baseline differs from deployed infrastructure. The Baseline defines the approved configuration, while a deployment realizes that configuration in a Target Environment.

An Infrastructure Baseline may remain independent of a specific Machine Image by declaring image requirements that a composition or deployment process resolves.

Example

An Infrastructure Baseline defines the compute nodes, virtual networks, subnets, load balancer,

storage, identity rules, security controls, and deployment procedures required for a Kubernetes platform.

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