

Infrastructure Platform

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Discussion

An Infrastructure Platform provides managed computing, storage, networking, virtualization, identity, and related foundational resources through defined interfaces and operational services.

The Infrastructure Platform supplies the resource foundation on which higher-level [Platforms](#), applications, services, and workloads operate.

An Infrastructure Platform may expose physical resources, virtual resources, cloud services, or a combination of them. It may also provide resource provisioning, monitoring, access control, lifecycle management, and policy enforcement.

A [Deployment Platform](#) may use an Infrastructure Platform directly or add orchestration, runtime, application, or management capabilities above it.

Definition

managed foundation of computing, storage, networking, virtualization, identity, and related resources provided through defined interfaces and operational services

Source

Generalized from infrastructure architecture, cloud computing, virtualization, data-center operations, and platform engineering usage and specialized for the Crucible architecture and operational model.

Note

An Infrastructure Platform differs from a general Platform by concentrating on foundational resources rather than application-facing or workload-specific capabilities.

The same technical environment may function as both an Infrastructure Platform and a Deployment Platform when it directly hosts deployed workloads.

Example

A private virtualization cluster provides virtual machines, networks, storage volumes, identity

integration, and management interfaces. These capabilities form an Infrastructure Platform for higher-level application and orchestration platforms.

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