

Hybrid Environment

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Discussion

A Hybrid Environment combines two or more distinct operating environments that exchange information, services, workloads, artifacts, or operational control through defined interfaces and processes.

The participating environments may include cloud, on-premises, connected, disconnected, air-gapped, development, test, production, or recovery environments.

A Hybrid Environment preserves relevant differences among its participating environments while coordinating them as part of a broader operational arrangement.

The hybrid model may distribute build, compliance, storage, deployment, monitoring, or operational activities among environments with different ownership, connectivity, assurance, or regulatory characteristics.

Definition

operational arrangement that combines two or more distinct environments through defined exchanges of information, services, workloads, artifacts, or operational control

Source

Generalized from cloud computing, enterprise architecture, distributed operations, and systems-integration usage and specialized for the Crucible architecture and operational model.

Note

A Hybrid Environment does not require continuous connectivity among all participating environments. Controlled transfer processes may connect a [Connected Environment](#) with a [Disconnected Environment](#) or [Air-Gapped Environment](#).

The term describes the combined operational arrangement rather than any single participating environment.

Example

An organization builds and scans hardened machine images in a connected cloud environment, transfers approved bundles across an Air Gap, and deploys the images inside an on-premises enclave. Together, the connected and disconnected environments form a Hybrid Environment.

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