

VMware vSphere

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Discussion

VMware vSphere is an enterprise virtualization platform for creating, running, and managing virtual machines and related workloads on pooled computing, storage, and networking resources.

VMware vSphere includes a virtualization layer provided by ESX or ESXi and centralized management capabilities provided by vCenter.

Within Crucible, VMware vSphere can serve as a [Deployment Platform](#) on which Crucible creates and manages virtualized Infrastructure Environments.

VMware vSphere provides platform-specific interfaces, resource models, configuration formats, image formats, and operational mechanisms. A Crucible Provider Implementation can isolate those platform-specific dependencies from provider-independent Crucible Descriptions and Infrastructure Baselines.

Definition

enterprise virtualization platform for creating, running, and managing workloads on virtualized infrastructure resources

Source

- [Broadcom, vSphere Overview](#)
- [VMware, VMware vSphere](#)

Note

VMware identifies a vendor and product family. **VMware vSphere** identifies the virtualization platform used as the Crucible Deployment Platform.

A VMware vSphere environment can operate in a Connected Environment, Disconnected Environment, or Air-Gapped Environment, depending on its network connectivity and operational controls.

Example

A Crucible Provider Implementation creates virtual machines, virtual networks, storage assignments,

resource pools, and security configurations within a VMware vSphere environment.

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