

HORIZON CLOUD WITH PIVOT3 HYPERCONVERGED INFRASTRUCTURE (HCI)

Delivering Simple, Scalable, and Cost-Effective Virtual Desktops and Apps

Supporting the Mobile Workforce

Driven by the goals to improve user productivity and simplify IT management, many organizations are looking to virtualize their desktop infrastructure. However, they often face many challenges:

- Complex deployments and configuration processes
- Large upfront CapEx costs for storage, compute, and networking infrastructure
- High incremental costs to add capacity in response to business demand
- Consistent IO performance
- Uncompromised user experience for workers in HQ and remote offices

This complexity, and a lack of predictable performance and linear scaling, can cause desktop transformation initiatives to fail before they even get off the ground.

Horizon Cloud with Pivot3 HCI

Horizon Cloud is a flexible, scalable service for virtual desktops and apps that pairs Pivot3 HCI with cloud management. The combined solution enables you to quickly deploy, manage, and scale virtual desktops and apps as demand grows.

AT A GLANCE

The VMware Horizon® Cloud Service™ combines on-premises Pivot3 hyperconverged infrastructure with centralized cloud management to deliver a next-generation hybrid-cloud solution for virtual desktops and apps. Optimized for Horizon Cloud, this solution enables customers to rapidly deploy virtual desktops and applications, minimize hardware footprint, and simplify management and scaling, all while delivering seamless user experience.

Using Horizon Cloud with Pivot3 HCI, you can easily get up and running, and scale out as required. Start with a few hundred users for a low initial cost and easily scale out with this modular solution.



Figure 1: Pivot3 Hyperconverged Infrastructure

Time-to-Value

By combining the simplicity and flexibility of Horizon Cloud with the modularity and predictability of Pivot3 HCI, customers can significantly reduce deployment times compared to traditional desktop approaches. As a certified hardware platform for VMware Horizon Cloud Service, the combined solution helps ensure a smooth rollout. In fact, Pivot3 appliances do not require storage tuning and simplify how the storage and data stores are configured and managed. Horizon Cloud centralized cloud management reduces the time required to deploy and manage virtual desktops and apps hosted on-premises.

Higher Density and Lower Footprint

Pivot3's HCI operating environment is extremely efficient as it uses less than 10 percent of host resources for HCI operations. This results in more resources per node for desktop VMs, which improves desktop density and reduces infrastructure requirements and associated costs. Additionally, Pivot3's **patented** erasure coding delivers up to 94 percent usable capacity while ensuring against HCI failures and outages.

KEY HIGHLIGHTS

- Rapidly deploy virtual desktops and apps with the simplicity of the cloud and control of on-premises infrastructure.
- Reduce hardware footprint with high-density Pivot3 solutions.
- Ensure uncompromised user experience with Pivot3's high-performance distributed architecture and Horizon Cloud centralized cloud management.
- Lower costs with right-sized hyperconverged infrastructure.

Superior IO Performance

Pivot3's patented distributed architecture and erasure coding combine resources across all nodes in the cluster, which results in large drive pools, up to 144 drives per cluster, for all data stores and VMs. This data distribution unlocks IO performance of all drives in the cluster, delivering blazing-fast IO transactions and uncompromised user experience. Furthermore, with features including Global Cache and Hypervisor Pass-through, Pivot3 lowers latency and improves user response times.

Lower Total Cost of Ownership with Linear Scalability

Organizations want to virtualize desktops and applications but also lower their upfront investments. Horizon Cloud with Pivot 3 enables you to start with a few hundred users, and cost-effectively and flexibly grow as needed. Pivot3's modular, standards-based HCI solutions use distributed architecture that aggregates resources across all nodes. This results in linear, predictable, non-disruptive scalability. Estimating additional infrastructure needs for planned growth is simple and straightforward.

Deployment Flexibility

With a hybrid cloud approach, Horizon Cloud brings simplicity and flexibility to virtual desktops. Pivot3 complements this with a broad set of deployment options. Pivot3 appliances are available in Hybrid and All-Flash options, in multiple rack-mount or blade configurations, and with data or compute-only expansions. The Pivot3 architecture enables you to mix options to achieve the unique goals of each virtual desktop deployment.

Uncompromised User Experience

Horizon Cloud with Pivot3 HCI enables IT to deliver a consistently great user experience. Features such as the Just-in-Time Management platform that includes Instant Clone Technology, VMware App Volumes™, and VMware User Environment Manager™ provide end users with instant access to applications on customizable desktops at each login.

Learn More

For more information on VMware Horizon Cloud Service with Pivot3 Hyperconverged Infrastructure solutions, visit <http://www.vmware.com/cloud-services/desktop/horizon-cloud-on-premises> or contact your VMware or Pivot3 representative.



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com

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