VCE VxRail with VMware Horizon

Radically Simple Infrastructure for Delivering the Digital Workspace

AT A GLANCE

VCE VxRail™ delivers a turnkey hyper-converged infrastructure appliance with a tightly integrated end-to-end VMware stack. Optimized for VMware Horizon® virtual desktops and applications, this solution provides unparalleled performance that is easy to scale and simple to manage. With radically simplified infrastructure deployment, IT can get up and running in no time. Start small, with low initial cost, for as few as 100 end users and easily scale up and out as needed, with even lower incremental cost, using this modular appliance. Not just focused on the head office users, deploy desktop and application services to remote locations in a branch office-friendly package, delivering predictable performance that scales from your first desktop to your last.

KEY BENEFITS

- **Off-the-shelf simplicity** – Deliver push-button simplicity with rapid plug-in, power-up, and provisioning.

- **Industry-leading performance** – Achieve best-in-class performance with kernel-integrated hyper-convergence unmatched by any other platform.

- **Uncompromised user experience** – Ensure desktop virtualization success with contextual, personalized workspaces and integrated infrastructure management tools.

- **Low total cost of ownership** – Eliminate large upfront CapEx hurdles and achieve dramatic OpEx savings.

Breaking Down the Barriers to Desktop Transformation

Organizations seeking to embrace desktop transformation are often constrained by challenges imposed by traditional approaches to desktop virtualization. These include:

- Significant up-front CapEx costs for storage, compute, and network infrastructure required to support virtualized desktops and applications
- Protracted cycle time involved in planning, designing, procuring, and installing infrastructure
- High incremental cost to add capacity in response to business demand
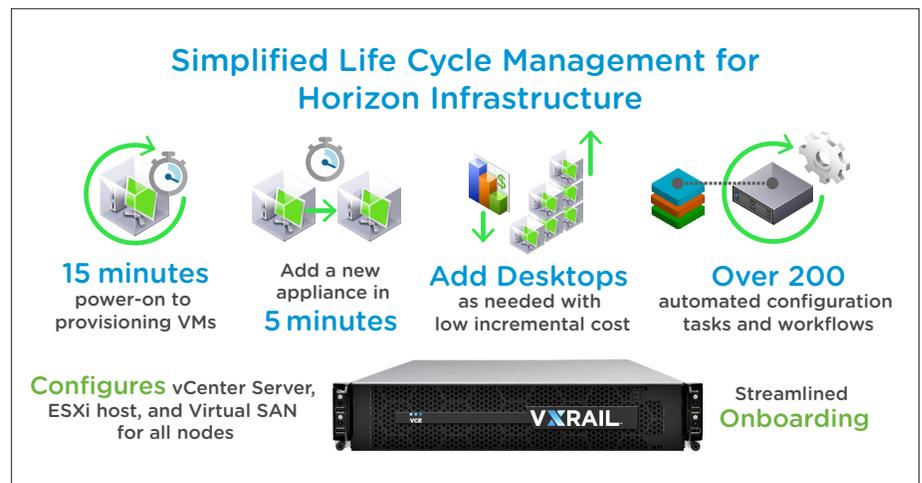- Delivering consistent levels of application responsiveness to workers in remote offices

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

VxRail with Horizon

VxRail with Horizon delivers a turnkey solution enabling organizations to cost-effectively and quickly transform physical desktops into secure digital workspaces with a hyper-converged infrastructure appliance (HCIA) that is easier to procure, deploy, manage, and scale as demand grows.

Off-the-Shelf Simplicity

Drastically reduce the time needed to plan, design, and scale your VMware Horizon environment with confidence. VxRail appliances enable accelerated deployment of Horizon infrastructure that is off-the-shelf simple with the ability to plug in, power up, and provision virtual desktops and apps in a fraction of the time. Simply add VxRail nodes or appliances, which provide the right balance of compute and storage resources. They are automatically discovered and added to the cluster in minutes with zero configuration required. In combination with VMware Horizon Just-in-Time Delivery and Instant-Clone Technology, desktop deployment is faster and simpler than ever, delivering pristine, personalized desktops in seconds.

Simplified Life Cycle Management for Horizon Infrastructure

15 minutes power-on to provisioning VMs

Add a new appliance in **5 minutes**

Add Desktops as needed with low incremental cost

Over 200 automated configuration tasks and workflows

Configures vCenter Server, ESXi host, and Virtual SAN for all nodes

Streamlined **Onboarding**

Industry-Leading Performance

Unlike other HCIA approaches, VxRail is built on VMware Hyper-Converged Software (HCS), the most widely deployed software stack in the market, offering tight, kernel-level integration between VMware vSphere® and VMware Virtual SAN™. This optimized data path delivers industry-leading performance with up to three times better memory efficiency and up to two times better CPU efficiency to cost-effectively power desktop and application workloads. VxRail features a scalable, all-flash architecture that further improves Horizon deployments, providing unbeatable desktop and application performance, with over one hundred thousand IOPS per node and sub-millisecond latency.

VxRail with Horizon also addresses the performance challenges of centralized desktops accessed over the WAN from remote offices. The VxRail appliance can be deployed locally, near the users in a branch or remote office setting, while retaining the operational benefits of centralized IT support. Remote workers can now enjoy desktops and applications delivered from this local appliance solution, with a consistent and great user experience.

Uncompromised User Experience

VxRail with Horizon enables IT to deliver a consistently great user experience, with secure, easy access to Windows, Linux, SaaS, and Web apps through a unified digital workspace across devices and locations. VMware Horizon delivers just-in-time desktops that provide end users with instant access to apps on a fully customized desktop as soon as they log in and provides contextual, policy-based management of user persona. Integrated in-guest metrics and real-time analytics enable IT to isolate faults faster and reduce help desk costs while increasing user satisfaction.

Low Total Cost of Ownership

Organizations that are just getting started in desktop virtualization, or those that need a cost-effective solution for remote offices, can begin by deploying a small environment for as few as 100 end users and cost-effectively grow as needed without sacrificing performance. VxRail delivers industry-leading desktop density per host and cost-effective performance with embedded Virtual SAN, delivering all-flash storage for as low as $1 per usable GB and reducing TCO by 50 percent compared to traditional storage.

Low-cost VxRail configurations and new Horizon subscription-based pricing options keep upfront and ongoing costs low. This affordability accelerates the return on investment (ROI) of desktop transformation projects and represents dramatic savings over physical desktops and laptops.

Hyper-Converged, End-to-End VMware Solution

Unlike other HCIA solutions, VxRail with Horizon delivers an all-VMware solution stack that is optimized for desktop and application virtualization. Leverage this single, end-to-end platform that is simpler to deploy and easier to manage, with industry-leading performance and an uncompromised user experience that scales predictably and cost-effectively, backed by one-click access to EMC support.

Find Out More

To learn more about VxRail with Horizon visit http://www.vmware.com/go/horizon-vxrail.

For information or to purchase VMware products, call 877-4-VMWARE (outside North America, +1-650-427-5000), visit http://www.vmware.com/products/hyper-converged-infrastructure.html or search online for an authorized reseller. For detailed product specifications and system requirements, refer to VxRail documentation on http://www.vce.com/products/hyper-converged/vxrail.