

ClearCube Virtual Desktop Solutions

Why ClearCube for Desktop Virtualization?

Virtualization has moved from the datacenter to the desktop. While virtualization can drastically reduce computing costs by utilizing fewer servers to support existing users, classic server consolidation projects do not address the issues faced by organizations wanting to centralize their end-user desktops. Virtual desktop deployments now add another level of complexity to the enterprise environment, requiring a new expertise to ensure their success.

ClearCube Technology, the pioneer in centralized desktop computing, has spent the past decade gaining experience in delivering high-performance centralized desktop computing solutions to the most demanding of enterprise environments.

What if you could easily deploy, manage and scale a virtual desktop solution that delivered a high-performance solution to the end-user, while providing reduced complexity and ease of management to IT?

Now you can. Introducing ClearCube for VDI: the industry's first complete end-to-end virtual desktop solution that delivers the end-user desktop computing experience with the datacenter manageability, security and availability required to centrally manage virtual desktop deployments.

When considering your options for desktop virtualization, you will want to consider a solution that not only provides the key components for achieving a complete high-performance solution, but

one that delivers the promises of a comprehensive virtual desktop strategy: manageability, flexibility and superb end-user experience.

A Complete End-to-End Solution

ClearCube delivers solutions that leverage its award-winning Sentral™ VDI Management Software, powerful PC blade technology, cutting-edge thin client devices and expert professional services to give organizations comprehensive, high-performance virtual desktop solutions.

Virtualizing a pool of ClearCube PC blades enables organizations to provide a true virtualization solution by fully utilizing both the physical and virtual resources in the data center. Each PC blade then becomes a VDI resource allowing multiple end users to have the full PC experience while optimizing and sharing resources.

The ClearCube Sentral software management suite is the key component of any desktop virtualization solution. It provides a comprehensive management framework for monitoring, controlling and connecting multiple end-user desktop clients to centralized PC resources in the data center, such as PC blades and virtual machines. By automatically allocating computing resources as needed between virtual machines and PC blades, Sentral enables organizations to more effectively manage their desktop IT infrastructure and guarantee

desktop computing power at all user levels.

ClearCube also offers a line of client devices to seamlessly deliver the desktop experience demanded by today's users. From 1:1 high-end desktop delivery to 1:N virtualized desktops, ClearCube has built the line of devices to suit the varied user needs.

Manageability

ClearCube's Sentral VDI Management Software is the only virtual desktop solution to manage both the physical and virtual resources within heterogeneous environments, providing cross-platform support and giving customers the flexibility to deploy the right solution for the right user type, utilize any back-end hardware, end-point user access device or virtualization technology.

Built on five generations of proven success within enterprise production environments, the ClearCube solution delivers the enterprise-class capabilities required for traditional centralized desktop computing as well as virtual desktop management in one solution, including: connection brokering, virtual machine management, thin client management, dynamic resource allocation, load balancing, active health and monitoring, disaster recovery and support for a wide variety of back-end hardware and user access devices. The ClearCube virtual desktop solution can scale to support thousands of managed nodes, within a typical enterprise environment.

Flexibility

Today, many options may be considered with respect to desktop virtualization. ClearCube delivers the flexibility not only to select the virtualization technology that best fits your environment, but one that will enable you to grow with rapidly evolving technologies and solutions.

Today's virtualization ecosystem consists of various virtualization technologies, including solutions from VMware®, Microsoft® and Xen®. ClearCube's virtual desktop solution delivers you the ability to support each of these technologies.

End-User Experience: Different Users, Different Needs

One of the primary inhibitors to adoption of desktop virtualization solutions has been performance at the desktop to enable a true PC end-user experience while providing ease of management to IT. From the datacenter to the desktop, from its inception ClearCube has focused all its experience on delivering a superb end-user experience, providing a comprehensive solution that delivers the performance required to support workforces that have widely varying computing needs.

Although many users have the need for a dedicated CPU to accomplish their specific job, in most cases, employees are only using a small portion - five to thirty percent - of the available CPU with their PCs. These under utilized resources represent the majority of user desktops. These task and knowledge workers and the functions they perform are natural targets for virtualization.

- Task workers, such as help desk and call center professionals that operate the same single transaction-processing applications, including data entry and spreadsheet applications.
- Knowledge workers, such as enterprise professionals, require computing power in bursts to conduct their jobs. Applications such as word processing, presentation drafting and standard Internet browsing are typically used by knowledge workers.
- Power users, such as traders in the financial services industry and select government organizations, need full-time access to high-availability and high-power computing resources. These users are often better suited to traditional one-to-one dedicated ClearCube PC blade solutions, as opposed to VDI deployments.

Organizations need to ensure that they are effectively utilizing all of their computing assets in a VDI deployment. Combining virtualization technology with PC blades empowers organizations with the unique ability to manage both physical and virtual assets with one management application that ensures end users always have the computing power required to fulfill their needs.

The ClearCube Solution: How It Works

