



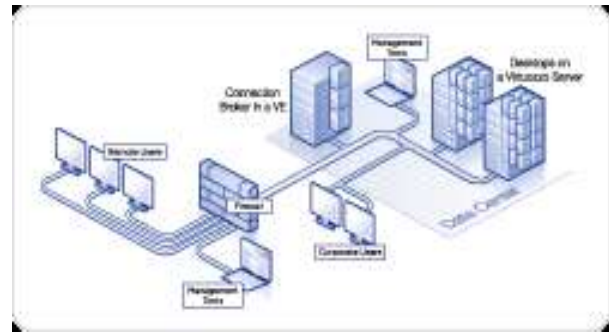
## VDI – Centralizing up to 500 desktops on 1 physical server with container technology

### What is Virtual Desktop Infrastructure (VDI)?

VDI is a new approach to desktop computing that combines all of the benefits and flexibility of server virtualization with the power and personalization of traditional desktop computing. VDI is an integrated solution of hardware, software and management tools to provide a replacement for standard desktop deployments. In the simplest terms, **VDI places user desktops on centralized server.**

VDI is a combination of 5 technology components, one being virtualization. In order of user to centralized server these are:

1. End user access
2. Connection broker (manages end user to server connections)
3. Virtualized desktop instance
4. Virtualization engine (to create the desktops)
5. Management tools



### Why Consider a VDI Deployment?

VDI is moving the computing from the end-user to a centralized location. This is a dramatic change in any organization. The main benefits of VDI include:

- Centralized software management for all desktop users
- Fast and centralized OS and application patching
- Data protection - Continuous and reliable desktop data backups without user interruption
- Fast desktop creation (couple of clicks, less than two minutes).
- Reduced IT Staff (desktop administrator) workload

### Why are Containers a Great VDI Technology?

The key concept for OS virtualization (containers) is that it deploys a single OS, allowing applications and virtual desktops to run with native performance, as there is no guest OS overhead. For VDI, a single OS is not only possible, it is preferred.

The benefits increase dramatically when you consider the applications. Containers also have the capability to install an application one time on a server and deploy templates in each virtual environment that link down to the host copy application.

### Parallels Virtuozzo Containers VDI Success Story

#### Cox Communications

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The customer support branch of Cox needed a solution to its growing issue with an internal proprietary call centre application. In addition, Cox needed to make the application available to a large and growing remote workforce that needed to access the application. Cox deployed Virtuozzo Containers in a VDI configuration to allow the remote users to connect into a specific application. This deployment enabled Cox to avoid a large development effort, and allowed them to deploy its application on Virtuozzo Containers virtual environments in a couple of weeks. Benefiting from the templating and other efficiencies with OS virtualization, Cox was able to deploy 60 virtual desktops on an average server: Dell 2850 with 2.8 GHz dual-core processors and 4 GB RAM. A single administrator was able to manage and update the configuration in addition to many additional administrative duties.

**For more information on Parallels® Virtuozzo Containers VDI solutions and case studies, visit <http://www.parallels.com>**