

Parallels® Virtuozzo Containers

Customer Success Story

DataCorps Technology Solutions Uses Virtuozzo to Recover Server Infrastructure in Two Hours

DataCorps Technology Solutions uses Virtuozzo as a core foundation for its business, providing flexibility, manageability and a reliable, recoverable server environment.

Business Challenge

DataCorps Technology Solutions, which provides IT services to small businesses, was asked to consolidate one of its client's servers. To do so, the client requested that DataCorps evaluate virtualization technologies for key requirements. Not only must the solution include the ability to move virtualized servers between physical servers, but it must also be completely hardware independent.

Evaluation

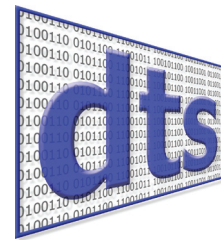
Initially, DataCorps considered a deployment with VMware. However, in order to support the virtualized deployment, the client would be required to purchase all new hardware for approximately \$25,000. Without even adding in the costs of software, administration and training, Angel R. Rojas, Jr, President and Founder of DataCorps, knew this would be a difficult and costly solution and unsuitable for DataCorps' client. Needing to find a better solution, Rojas tested Virtuozzo. Ideally, Rojas wanted a product with low overhead to minimize the impact of performance on the applications. He was impressed that Virtuozzo allowed him to consolidate his client's applications without deploying new hardware.

Realizing that other virtualization companies are currently attempting to replace the operating system and therefore have tenuous relationships with the OS vendors, DataCorps found additional value with Parallels' solid relationship and support agreement with Microsoft. Finally, DataCorps is a Windows shop, and Rojas was pleased to know that his staff would not have to learn Linux to use Virtuozzo as they would for VMware.

Virtuozzo Solution and Implementation

Since this first customer deployment, Rojas has migrated his server infrastructure onto Virtuozzo with 5-8 Virtuozzo containers on each server, each running a critical application and many serving actual customers. "Virtuozzo has given me confidence in deploying our corporate infrastructure as a basis for services to customers," stated Angel R. Rojas, Jr.

DataCorps' deployment consists of a standard consolidation but also has a powerful disaster recovery component. With the low cost of deployment, DataCorps is able to maintain several months of backup data (one full and many incremental backups) stored on a separate storage array. The process starts with a full image backup. Each subsequent night, incremental backups are created and stored for several months until rotated for a new full backup. Virtuozzo is able to backup applications while they remain available and online, making maintaining copies of the data simple



Fast facts

- **Company:** DataCorps Technology Solutions
- **Industry:** IT Services
- **Organization Type:** Private enterprise
- **Location:** Brandon, FL
- **Website:** www.datacorpsonline.com

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and painless. The backups also exclude the OS which minimizes the footprint of the backup itself. The decreased backup footprint enables them to effectively send the backups each night to a remote storage site, giving additional redundancy.

DataCorps also had the unfortunate experience of fatal hardware errors on one of its production systems. Moving quickly to restore the applications from backups, Rojas and his staff had services online and serving customers in less than two hours. Fortunately, he noticed the outage prior to the workday and minimized the impact to his customers. "I was able to restore my backups to another Virtuozzo server and was operational within two hours. When your business is the service you provide, every minute counts," said Rojas.

DataCorps has several business critical applications running in Virtuozzo Containers, including Microsoft Exchange, Microsoft SQL, domain controllers and even implemented a Virtual Desktop Implementation deployment for several clients. The desktops are held on a centralized server and each user logs in to use MS Office, Quickbooks, Outlook and their business specific applications. End users log in to use applications without having to load or maintain the actual software. This centralized management allows remote access, simplifies coordination of data between different users in different locations and eliminates the need for desktop management of the application.

Results

DataCorps has used its new Virtuozzo infrastructure to offer innovative solutions, including as the Quickbooks virtual desktop infrastructure deployment, to its customers. These new solutions not only give DataCorps an immediate ROI, but they also provide a significant revenue stream.

Solution Fast Facts

- **Parallels Solutions:** Virtualized Desktop Infrastructure (VDI)
- **Business Continuity:** Disaster Recovery Commercial Hosting
- **Parallels Product:** Parallels Virtuozzo Containers

Hardware Used

- CPU: Dual-Core AMD 4600
- 4 GB RAM
- Raid 1 Array
- 500 GB Hard Drive

Applications Virtualized

- Microsoft Exchange
- Microsoft SQL
- Domain Controllers
- MS Office
- Quickbooks
- Outlook
- Business Specific Applications



660 SW 39th Street
Suite 205
Renton, WA 98057
USA
Main +1 425 282 6400
Fax +1 425 282 6444

13755 Sunrise Valley Drive
Suite 600
Herndon, VA 20171
USA
Main +1 703 815 5670
Fax +1 703 815 5675

www.parallels.com