

# Parallels® Virtuozzo Containers

## Customer Success Story

### Resolvit's Consolidation Project Yields 9X Return in Year One

Facing heavy server growth requirements with several remote locations, Resolvit turns to Parallels Virtuozzo Containers to deploy their virtualized data center.

#### Business Challenge

Resolvit, LLC is a technology and management consulting firm that provides information management solutions and professional services to clients in the financial services, telecommunications, manufacturing and distribution, life sciences and government sectors. The fast growing firm with more than 175 employees launched in February, 2002, and combines the deep experience and bench strength of larger systems integrators with the focus, dedication and responsiveness of a nimble, customer-driven operation. They work with top-rated clients on a project basis, with each contract lasting from 5 – 18 months.

Brian Haugli, IT Manager, joined the Resolvit team in June, 2007, and it didn't take him long to determine a better way to do business. Up until then, maintenance on each server required an in-person visit – the wasted time, man hours and travel expenses quickly added up. Resolvit had one server per each application configuration, and the hardware was getting old and growing increasingly more inflexible and costly. Because the team had to constantly support new development projects, this approach was difficult to manage.

#### Evaluation

They evaluated Microsoft Virtual Server and Xen, but determined that building a server from the ground up was inefficient when all of the servers were going to be Windows-based. The decision was made to use Parallels Virtuozzo Containers because it would require the fewest changes and would not require the building of multiple virtualized servers. "Here, our greatest demand is for Windows servers. Immediately, I liked OS virtualization because I did not want to make modifications to the operating system software and create new servers all the time," commented Brian Haugli.

#### Virtuozzo Implementation and Solution

Headquartered in Washington DC, the company spans four states and incorporates separate hardware nodes in both its Raleigh, North Carolina and Cincinnati, Ohio offices. It had opted to put the majority of its infrastructure services in containers and create development environments on demand as needed for projects. The Washington DC office has 10-15 infrastructure services in containers and varying amounts of development containers based on client workload. Each remote location has 5 containers with 1-2 maneuverable for development projects.

Resolvit runs on Dell 2900 2-way Quad Core 2.2 processors, each with at least 16 – 32 GB RAM. Brian led the team to replace the old infrastructure and upgrade to a 64-bit Windows at the same time; the upgrade greatly enhances the Active Directory and memory management. Each server has five standard infrastructure virtual containers running Active Directory, network services, terminal services, and file and print managers. In addition, each physical server has development virtual containers that are used for client projects.



IT and Management Consulting

#### Fast Facts:

- **Company:** Resolvit
- **Industry:** Services
- **Location:** Headquartered in Vienna, VA, just outside of Washington, DC and has sales offices serving the greater Washington, DC metro, Raleigh/Durham Research Triangle, Cincinnati/Northern Kentucky and Chicago business centers.
- **Website:** [www.resolvit.com](http://www.resolvit.com)

#### About Resolvit, LLC:

Resolvit is an Information Technology and Management Consulting firm providing systems programming, design and analysis support and engineering professionals to Fortune 1000 clients in Washington DC, Greater Cincinnati/Northern Kentucky, Raleigh-Durham, NC and Chicago, IL.

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— Brian Haugli, IT Manager

## Results

Previously, in order to install a new server, an employee had to travel to North Carolina, Chicago or Ohio, incurring expensive travel costs and be away from the office for days at a time. Now, a team of two people can manage the entire firm and its span of four locations remotely from their desktops in Virginia. Now, it takes minutes for the existing infrastructure to support new requests.

The savings include the costs to add a new server, antivirus software, plus travel expenses and time out of the office. In addition, Resolvit usually creates five containers a month, making the hardware savings alone over \$100K. The ROI of just the hardware and software components, without considering reduced travel or administrative time costs, shows in excess of 900% for the first year alone.

Resolvit is able to create redundant services such as Active Directory and has minimized overall downtime by cloning and keeping the applications/services alive during upgrades and planned downtime. Using the toolset, Resolvit can deploy a development environment for projects easily and immediately. For example, Haugli can now create a sample that includes the templates for development applications such as Visual Studio to create a .Net environment. "The Parallels software templates feature enables us to have new development servers up in five minutes. It can't be beat for quickly deploying servers for our people," said Haugli.

## Future Plans

The future holds great things for Resolvit with many exciting opportunities and areas for growth on the horizon. The North Carolina location is a hotbed of Linux Red Hat activity, and the company plans to deploy Parallels Virtuozzo Containers for Linux to support projects in that area. They are also creating a disaster recovery solution. By making copies of their DC containers in NC for example, the company is able to protect each location from lost information due to geographic issue. This way, in the event of a geographic emergency or local system failure, information is backed up at a different location.

Learn more at [www.parallels.com/virtuozzo](http://www.parallels.com/virtuozzo)

## Solution Fast Facts:

### Challenge:

The company is growing rapidly and is constantly provisioning and redeploying servers. They sought a very flexible IT infrastructure that could be built on demand for projects.

### Parallels Solution:

Parallels implemented virtualization to cut down costs and set up time for servers.

### Parallels Product:

- Parallels Virtuozzo Containers

### Hardware Used:

- Dell 2900 2-way
- Quad Core 2.2 Ghz processors
- 16 or 32 GB RAM

### Applications Virtualized:

- Active Directory
- Network Services
- Terminal services
- File and print managers

### Results:

The ROI for hardware and software components is in excess of 900% for the first year alone.

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— Brian Haugli, IT Manager



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