**Virtion GmbH is a German managed services provider.**

Part of its portfolio are infrastructure services, server and storage virtualization, application management services data security and support for small and medium sized companies.

Virtion is well-known and trusted on the market due to the quality services offered. Virtion is considered as a long-term, strategic partner by its customers.

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**The Options**

Before StorPool, Virtion GmbH was using a NFS based solution. Unfortunately it was not scalable enough. Virton had a very strict set of criteria when choosing a replacement of the existing storage solution.

They also did a comparison of the TCO (Total Cost of Ownership) and benefits, which can be delivered by StorPool, CEPH and LizardFS.

**However the best price/performance ratio was delivered by StorPool.**

According to Michael Kutzner, CEO at virtion GmbH, StorPool was more than 50% better than the second option!
Virtion chose StorPool not just because of the better price/performance ratio, but also because StorPool managed to offer them smooth implementation without an impact on their production environment.

According to Virtion, the biggest advantages of using StorPool are the **high availability** of the system, hardware failure handling and performance. The **OpenNebula integration** and the operation easiness were also crucial.

"With flexibility and professionalism the team helped us to roll out StorPool in a very short time, even though we had special demands. The support is very fast and competent!

MICHAEL KUTZNER, CEO at virtion GmbH

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- **KVM hypervisors**
- **Linux on hypervisor nodes**
- **BSD and Windows in virtual machines**
- **OpenNebula cloud management**
- **Inhouse management tools**

- **2 converged setups**
- **Redundant 10Gbit multipath storage networks**
- **Samsung SSD drives connected to Avago Raid Controllers**
- **Brocade based switching infrastructure**
- **StorPool SSD Hybrid solution**
- **200.000 IOPS on a single volume**
- **2GB/sec read and write performance per volume (limited by the hardware)**

**The Advantages**

- **IT Stack**
  - KVM hypervisors
  - Linux on hypervisor nodes
  - BSD and Windows in virtual machines
  - OpenNebula cloud management
  - Inhouse management tools

- **Storage Solution**
  - 2 converged setups
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**Key Impact**

- Volume of single VMs scaling above limits of physical servers
- Lightspeed deployments of new virtual machines
- Highest Availability functionality
- Easy scaling by just adding additional hardware nodes
- Time saving
- Maintaining multiple systems has been eliminated
- High performance
- Solution which enabled Virtion to provide cost-efficient IT solutions

**Future Plans**

"We plan to build new products based on StorPool! With the upcoming new features we get even more ideas. Also we plan to migrate more and more critical infrastructure to StorPool! I am convinced that our customers will feel the same advantages we felt from StorPool!”, said

MICHAEL KUTZNER, CEO at virtion GmbH

**StorPool**

DISTRIBUTED STORAGE

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