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Supercomputing 2006

High Performance NFS

Is NFS V3/V4 Scalable?
It Depends!

Do We need a replacement?
No, just an enhancement

NFS is ubiquitous and therefore slow to change

For much of the world NFSv3 is fine. V4 + pNFS addresses even larger market

Scalability, Managability and Reliability of the Servers is an issue for all.

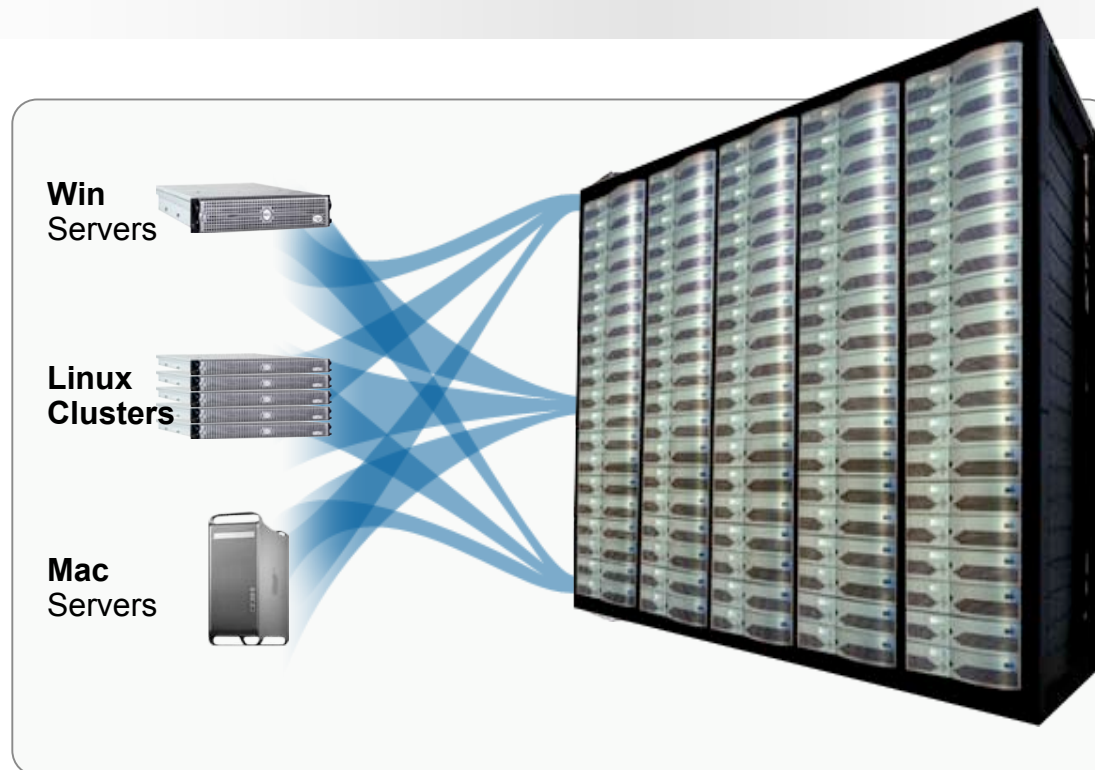
Evolution of Servers



The first step is to change the file servers!

Scalability

- The problem is access to data.
 - More Data
 - More People/Servers
 - “Plug and Play” Scalability
 - Cost Effective
 - » Commodity based product
 - » Industry standard hardware
 - » Easy to use and maintain



Clusters + pNFS

High Performance NFS is:

- **Clustered server exporting a single writable file system**
- **NFSv4 + pNFS**



Benefits of Clustering

- **Vastly superior performance**
- **Vastly superior scalability – modular and incremental**
- **Highly redundant**
- **Substantially lower cost to own and operate**
- **Accelerates business workflow and productivity**



Thank You!