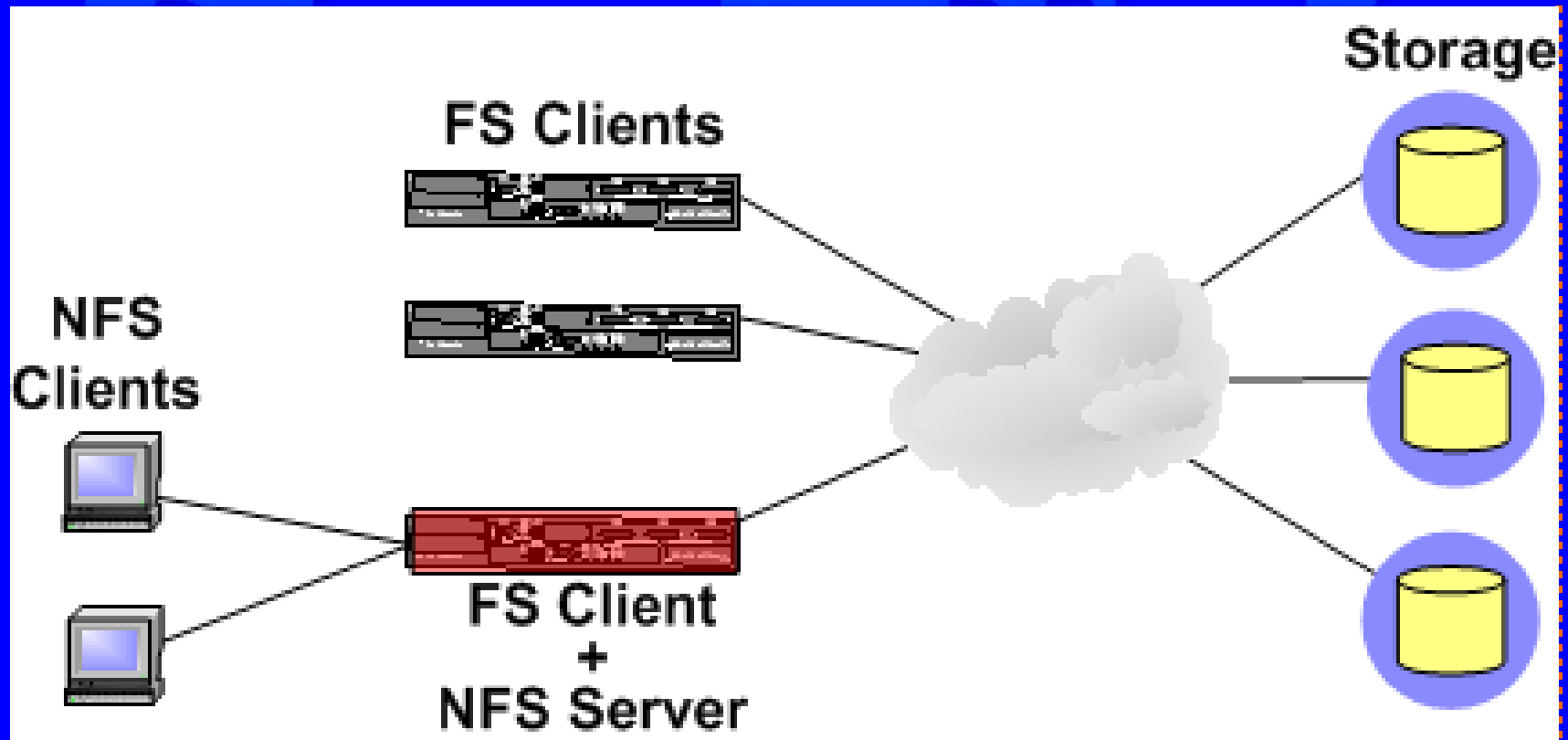


pNFS and Linux: Working Towards a Heterogeneous Future

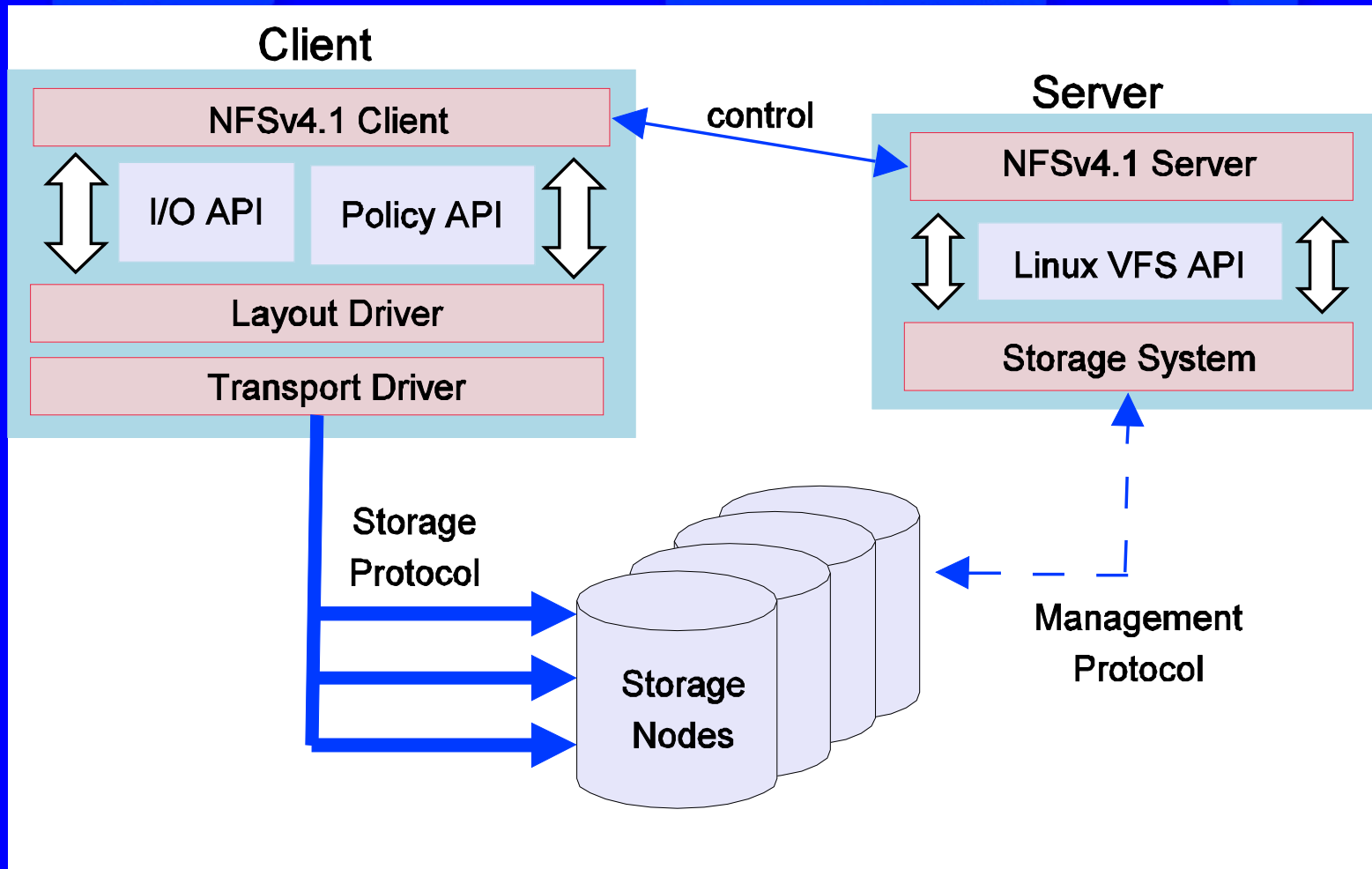
* Dean Hildebrand

Advisor: Peter Honeyman
Center For Information Technology Integration
University of Michigan

NFSv4 and High Performance File Systems



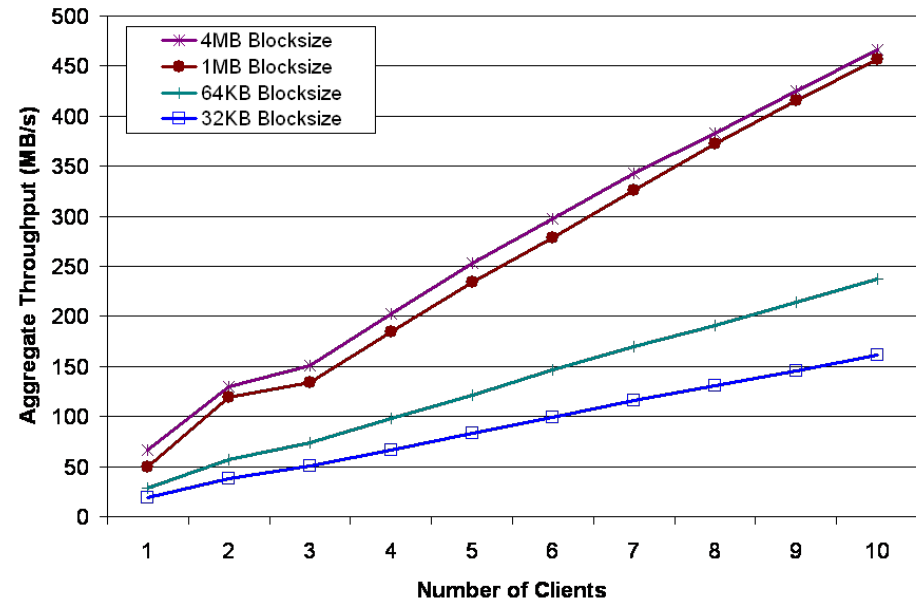
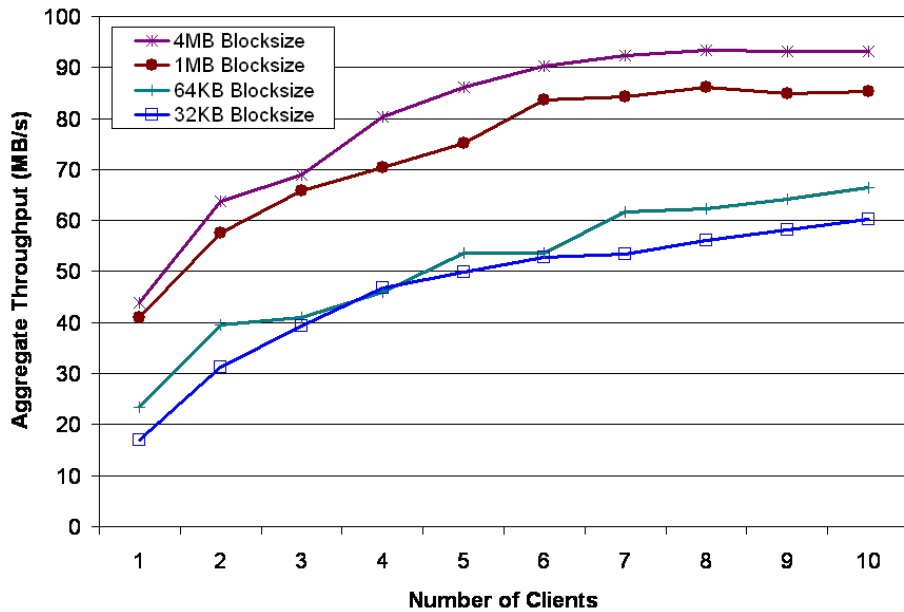
Linux pNFS Architecture



pNFS/PVFS2 Block Size Validation

Write

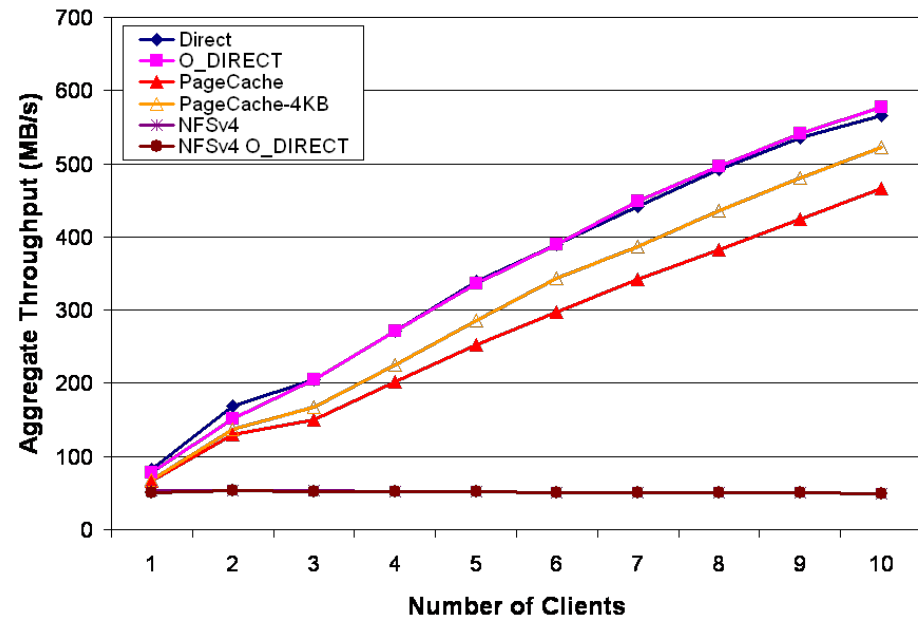
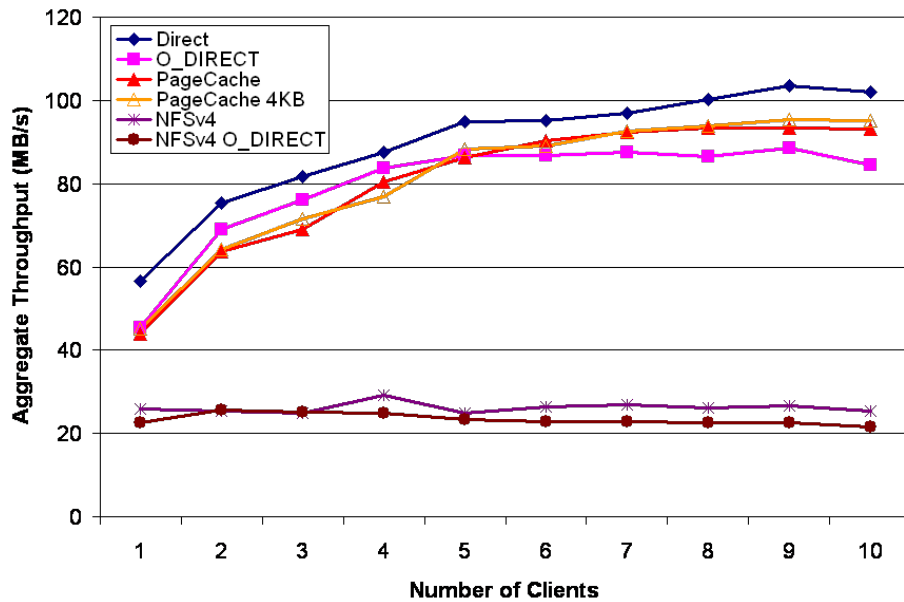
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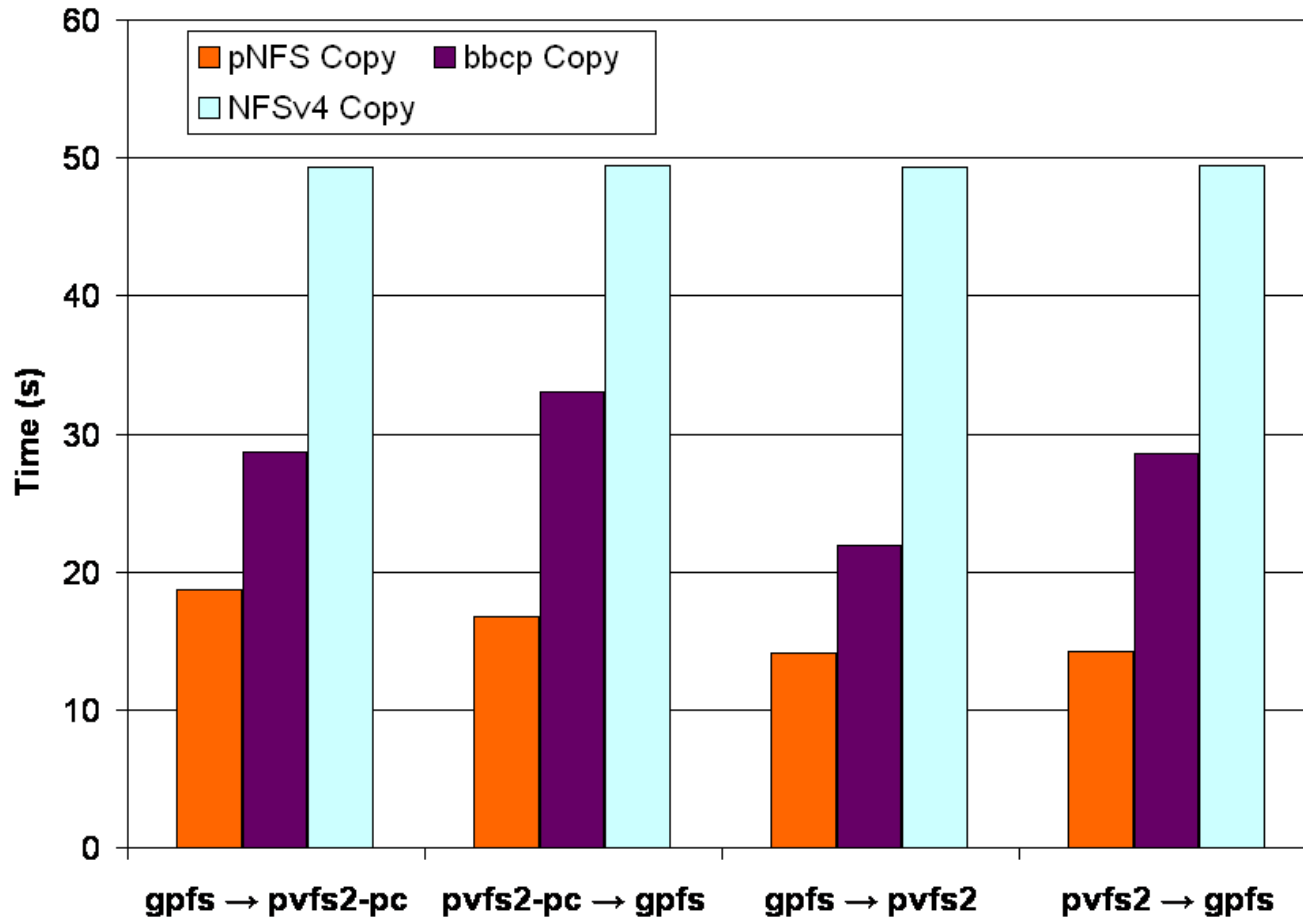
pNFS/PVFS2 I/O Performance

Write

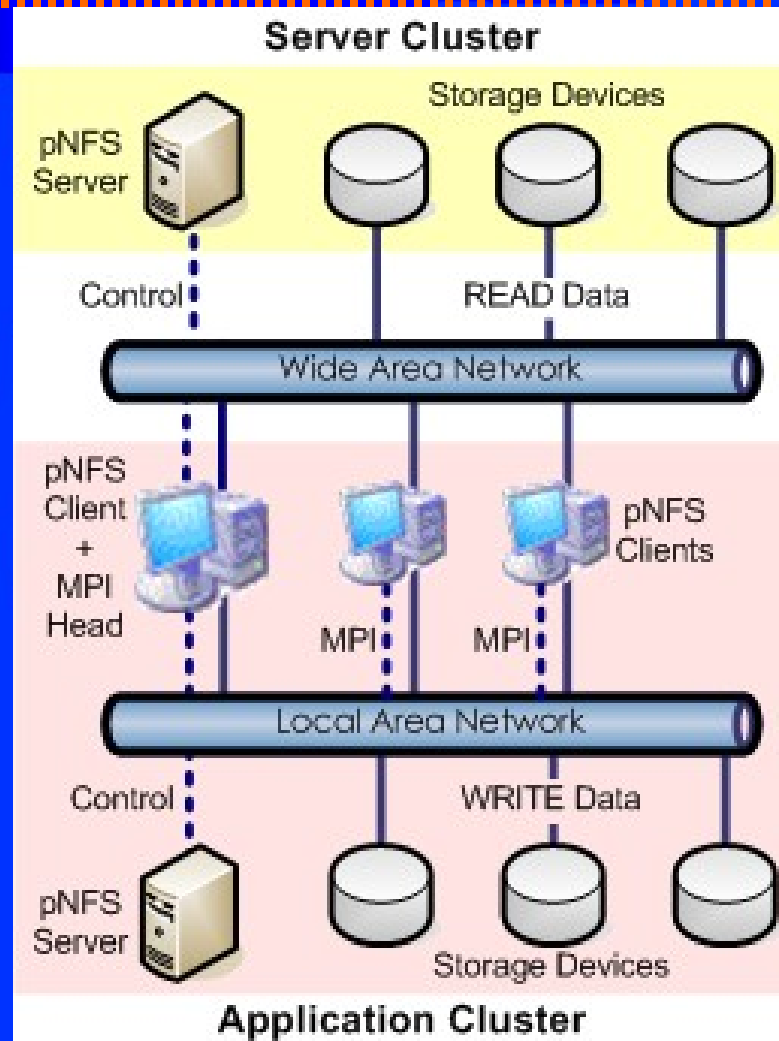
Read



GPFS ↔ PVFS2 1 GB Data Transfer



WAN Access



More Information

- ◆ Linux pNFS Documentation and Code -
www.citi.umich.edu/projects/asci
- ◆ pNFS -
www.pdl.cmu.edu/pNFS
- ◆ NFSv4 -
www.nfsv4.org

