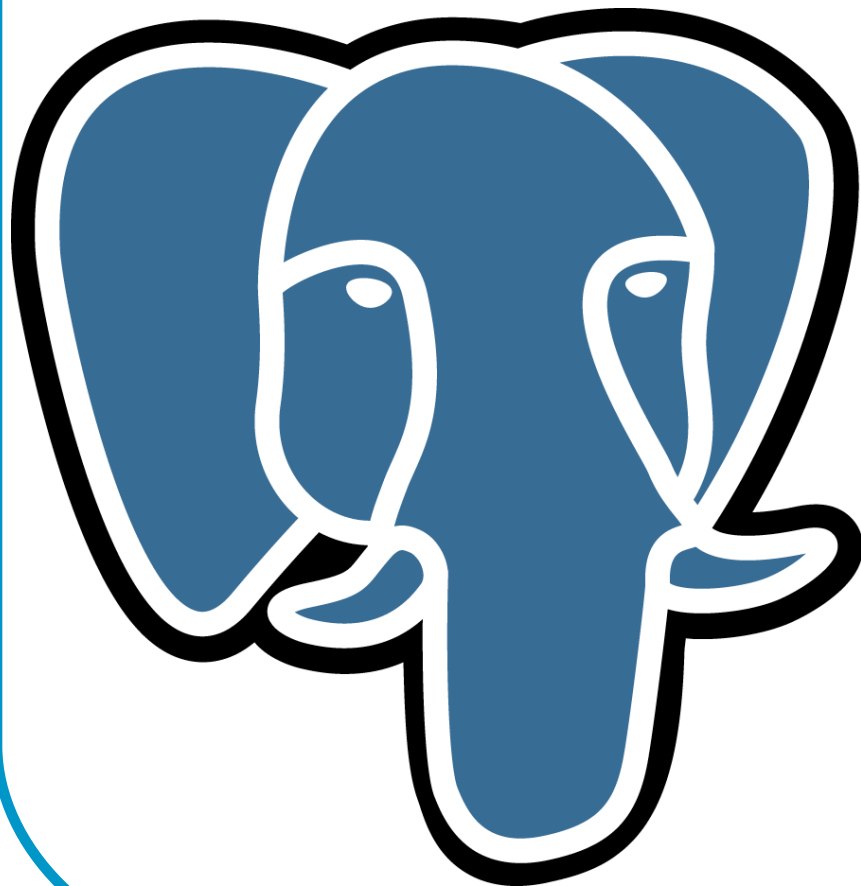


Linux on the Desktop

or

PostgreSQL on a Netapp



Stefan Kaltenbrunner

stefan@kaltenbrunner.cc

<http://www.kaltenbrunner.cc/blog>

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The Storage

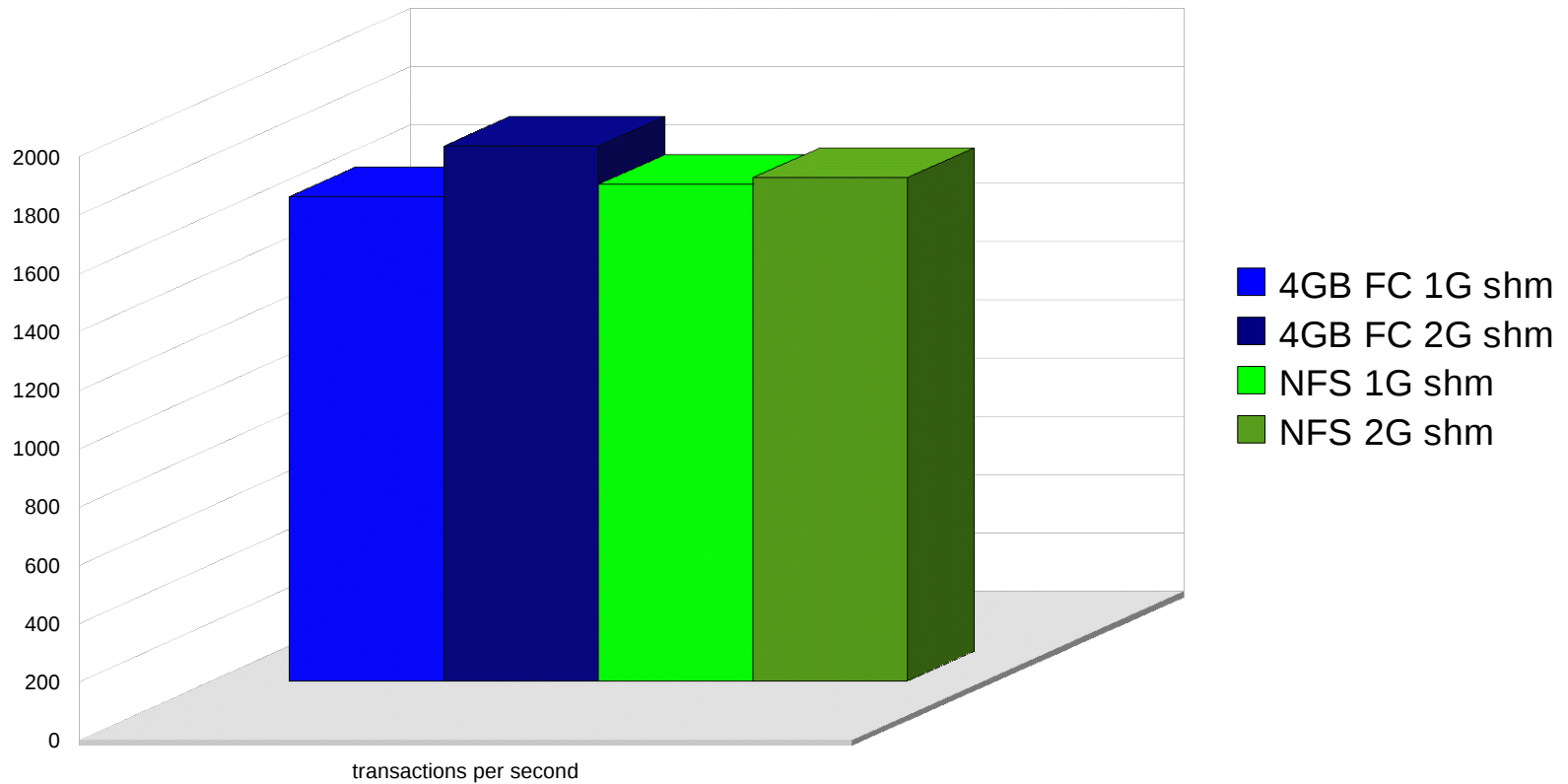
- Network Appliance FAS3140
- Fabric Metro Cluster
- 10 shelves (140 disks total)
- FC, NFS and ISCSI
- Aggregate with 35 Disks for testing

Workload generator

- Dual Quadcore E5430
- 16GB RAM
- 4GB FC, 1GBit Ethernet
- Debian Etch/AMD64 + etchnhalf
- PostgreSQL 8.4(devel) + parallel restore
- pgbench (-s 100 -c 100 -t 1000000)
- 70GB dump file (uncompressed)

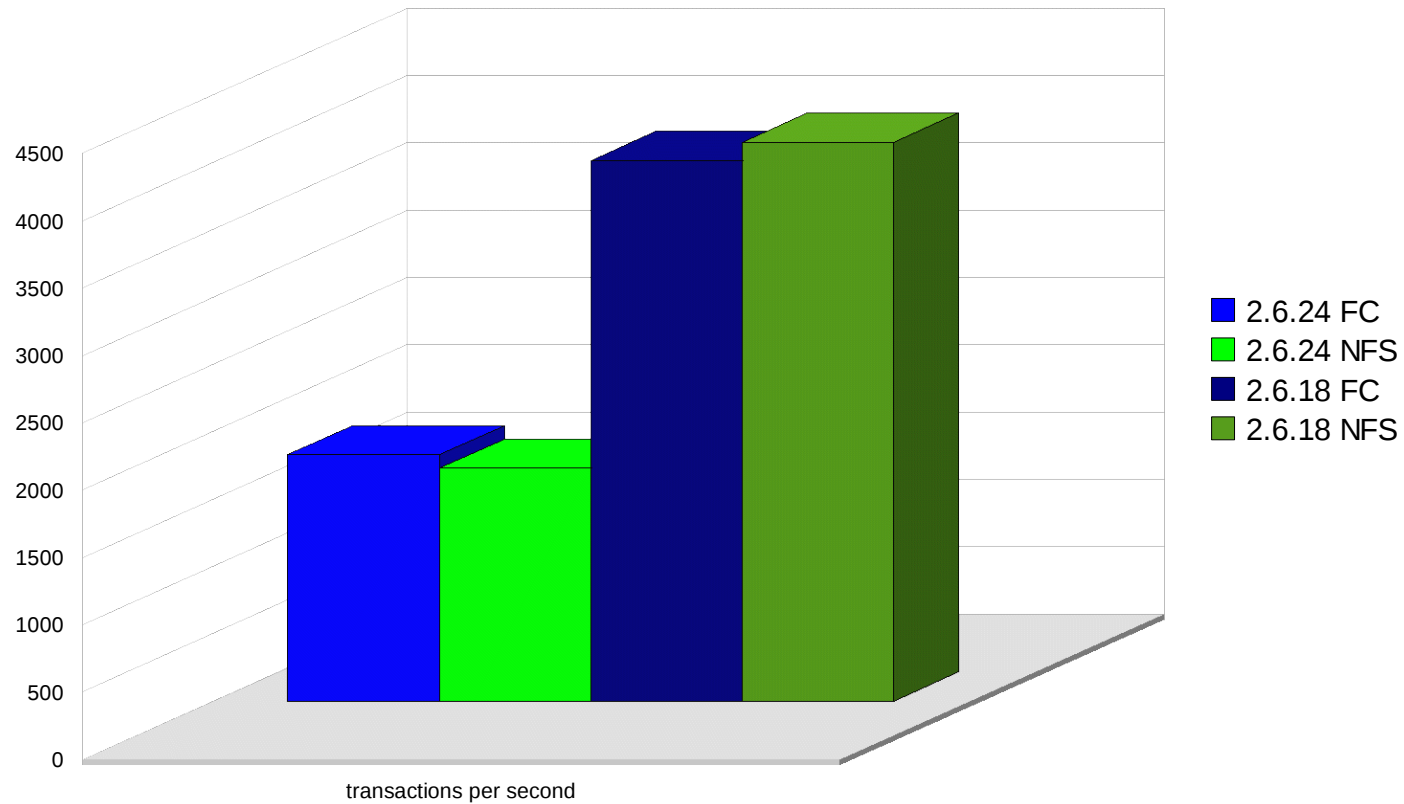
Initial pgbench results

Debian Etch/AMD64 2.6.24



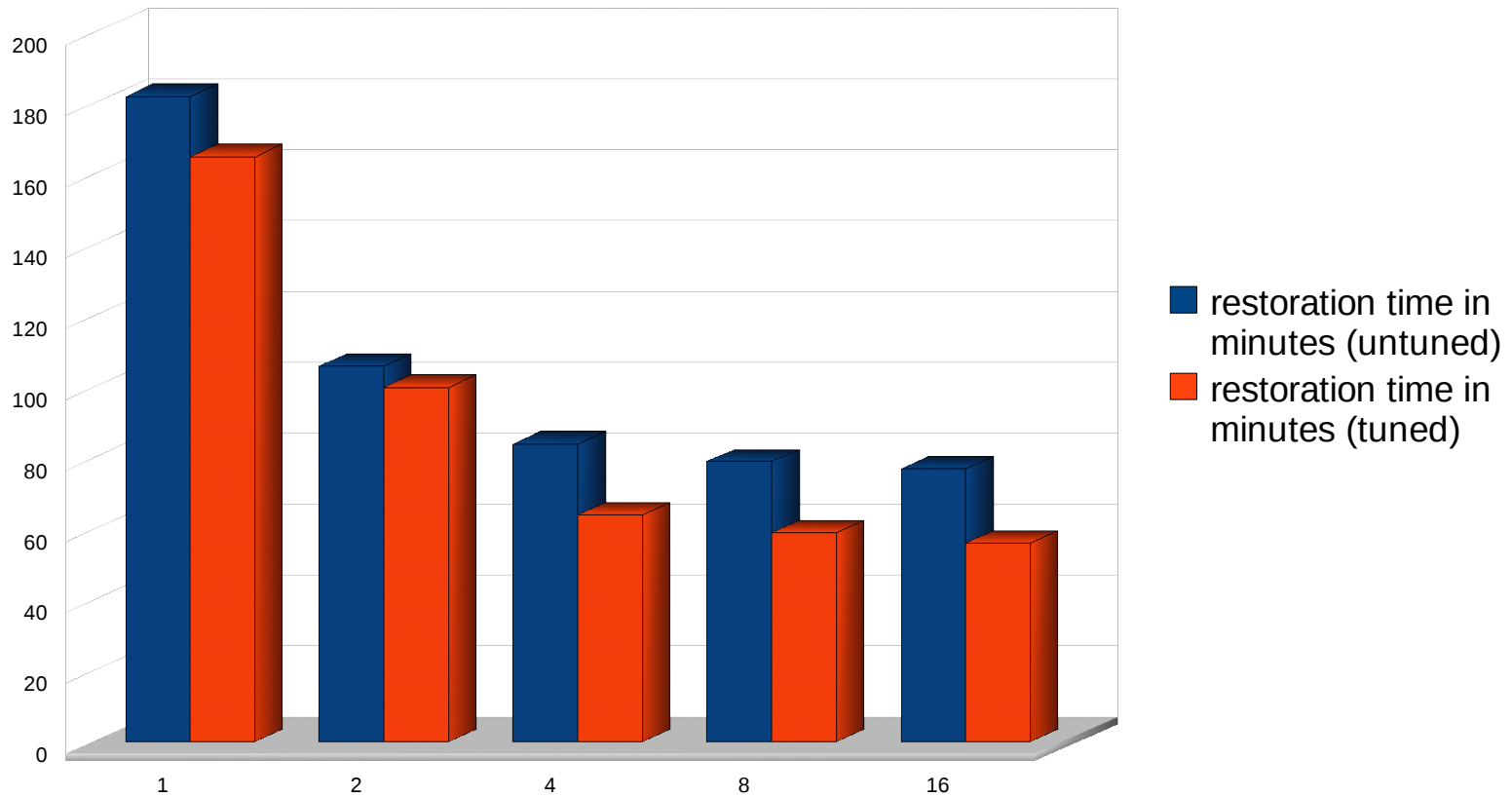
pgbench results

Debian Etch/AMD64 - 2.6.24 vs 2.6.18



Parallel restore results

parallel restore comparision



Summary

- Consider kernel behaviour
- Benchmark setup important
- deadline IO-scheduler
- `qla2xmaxqdepth=256`
- General PostgreSQL tuning applies

Thank you!



Questions?