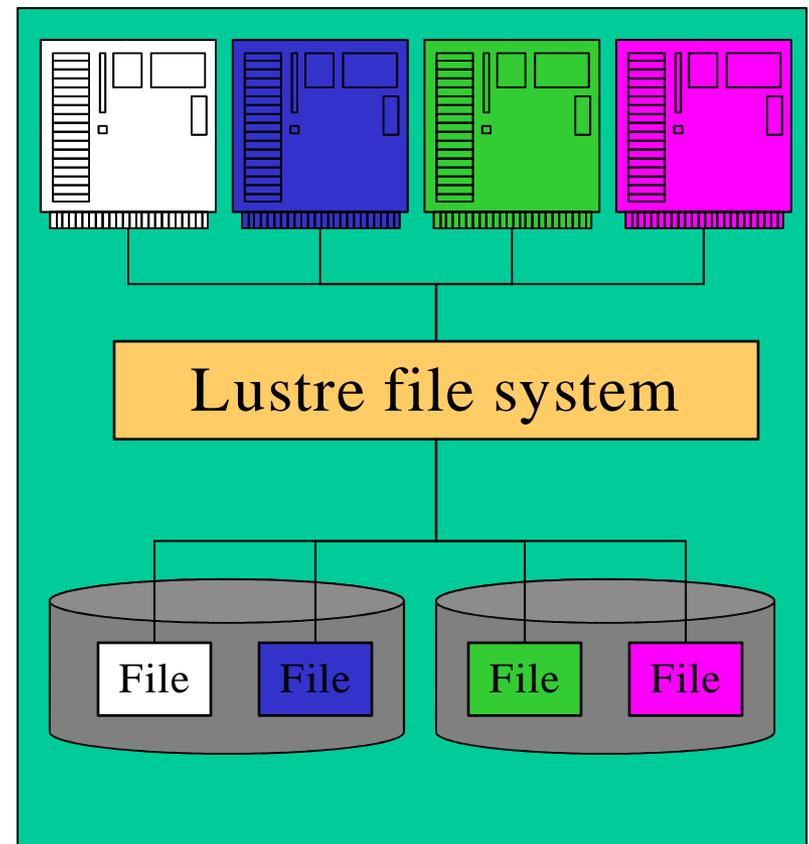


The Pioraw test

- Pioraw simultaneously runs on a number of clients.
- Each client writes a unique sequential file to the file system and reads it back.
- I/O performance is monitored and various results such as scaling and aggregate throughput are reported.

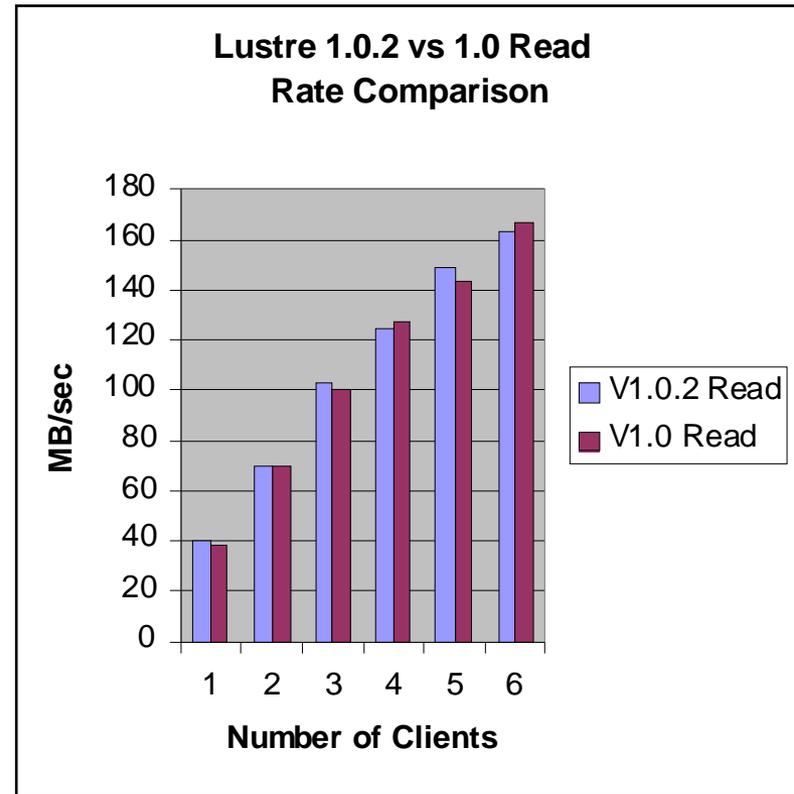


Lustre v1.0.2 Pioraw results

- V1.0.2 has some stability problems
 - Using the same software and hardware configuration as v1.0:
 - V1.0.2 failed four time to run more than 3 clients.
 - It caused an “unable to fork” issue on various clients.
 - An “ls” locked one client in a manner that could only be corrected by power cycling the machine.

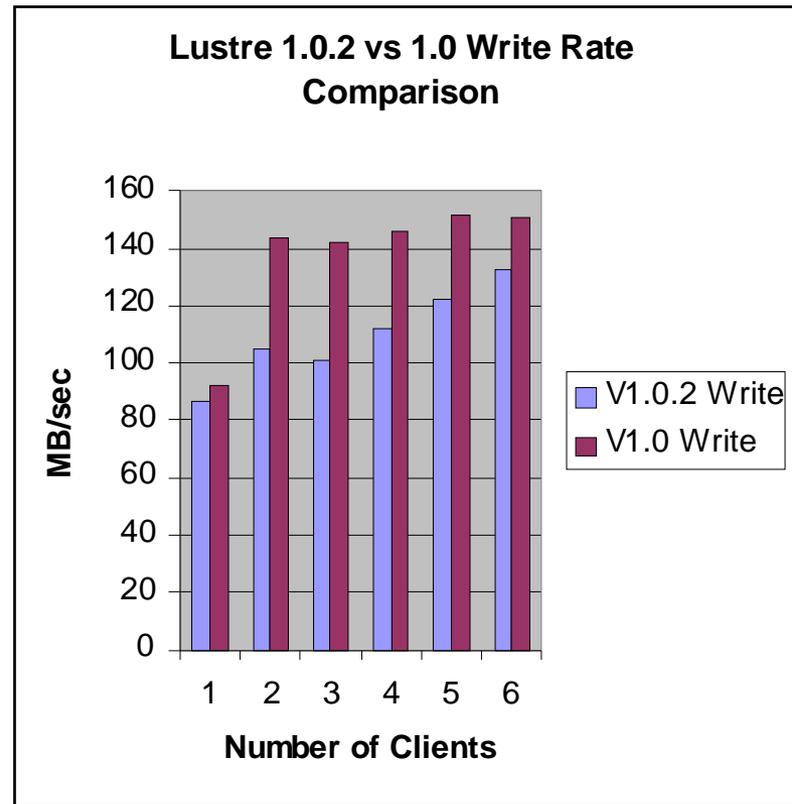
Lustre v1.0.2 Pioraw Read Results

- There appears to be no appreciable difference between v1.0.2 and v1.0 Read Rates.



Lustre v1.0.2 Pioraw Write Results

- V1.0.2 is slower
 - Reported v1.0 write rates are higher.
- The hardware configuration is identical between the v1.0 and v1.0.2 pioraw tests.
- The observed decrease in v1.0.2 write performance appears to be consistent as can be seen in the next slide.



Consistency of the Lustre v1.0.2 Pioraw Write Results

- Results reported by three separate runs of pioraw show very little variation in throughput.
- Additional runs were not attempted due to time constraints.

