



35 years  
Academic Computer Centre CYFRONET AGH



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# Search for Optimal OSS Hardware for Entry-level Configuration of Lustre File System

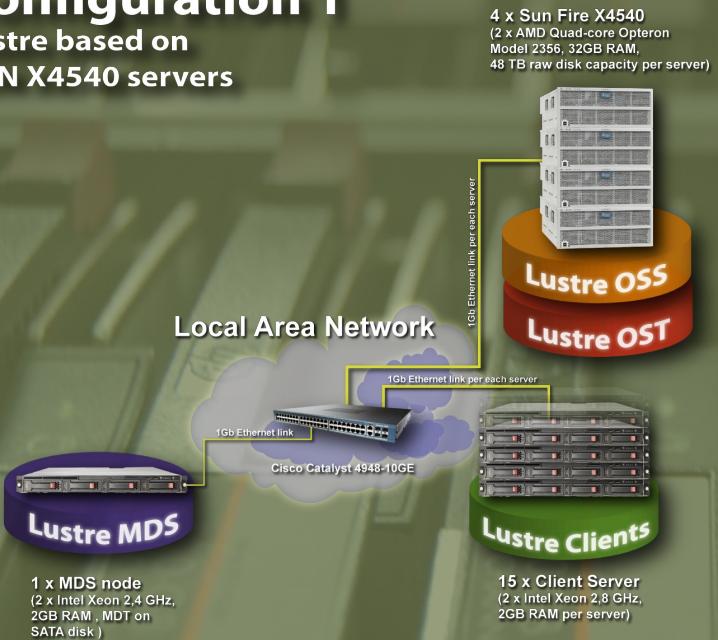
## Why Lustre?

- eliminates the NFS bottleneck in grid clusters
- aggregated I/O bandwidth with near linear scalability
- several network types support (Infiniband, Ethernet, Myrinet)
- support for RDMA transfers
- data object and file striping
- redundancy without extra overhead
- High Availability features in active/active and active/backup modes

## Hardware configurations

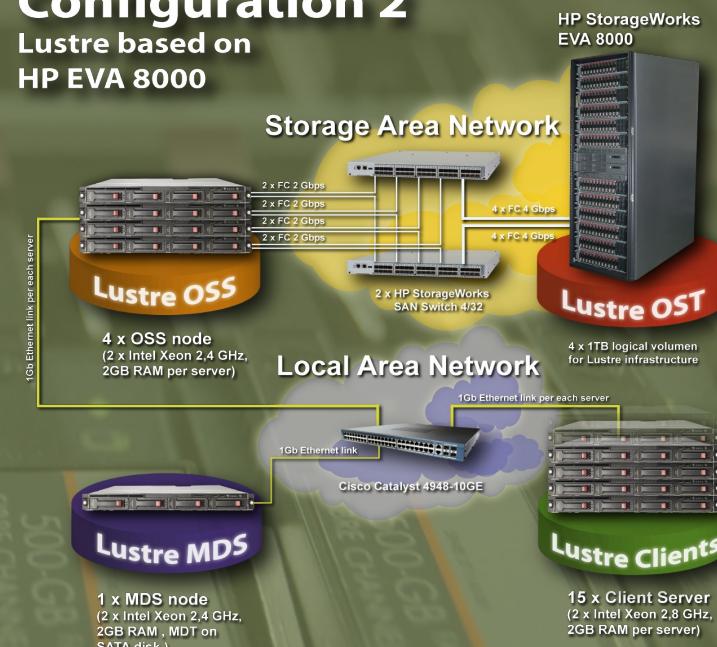
### Configuration 1

Lustre based on  
SUN X4540 servers



### Configuration 2

Lustre based on  
HP EVA 8000





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Thank you for attention