

# SAN Storage

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# The SUN StorEdge 6320



# Physical Storage

- Our StorEdge 6320 contains 6 arrays
- An array is made out of 2, 4 or 6 trays
- Each array also contains 2 controllers
- We have 5 4 tray arrays and 1 2 tray array

# Physical Storage

- Each tray contains 14 X 146GB disks
- Pools are configured on the trays to provide usable RAID5 storage
- Each pool is 1.6TB after various overheads
- Volumes are created on the pools to provide the LUNs which are presented to hosts
- Volumes can be either 1.6TB or 0.8TB

# The Original Setup

- 1 X 4 tray array assigned to hawthorn (Informatics host located at the Bush) for AFS and other experimentation)
- 1 X 4 tray array mounted on sannas for NFS exporting and rync
- 1 X 4 tray and 1 X 2 tray arrays reserved for GPFS and access from ECDF and the Informatics clusters
- 2 X 4 tray arrays kept in reserve

# The New Proposed Setup

- 1 X 4 tray array (~6TB) is mounted on hawthorn
- Remainder of cabinet (~24TB) forms GPFS file system accessible from eddie and in the future the Informatics clusters
- This could happen as soon as next week!

# Questions

- Blocksize of GPFS file system?
- Can we make good use of hawthorn?