

GPCF UPGRADE

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Current GPCF (June 2011)

7 x worker nodes



9 x experiment machines

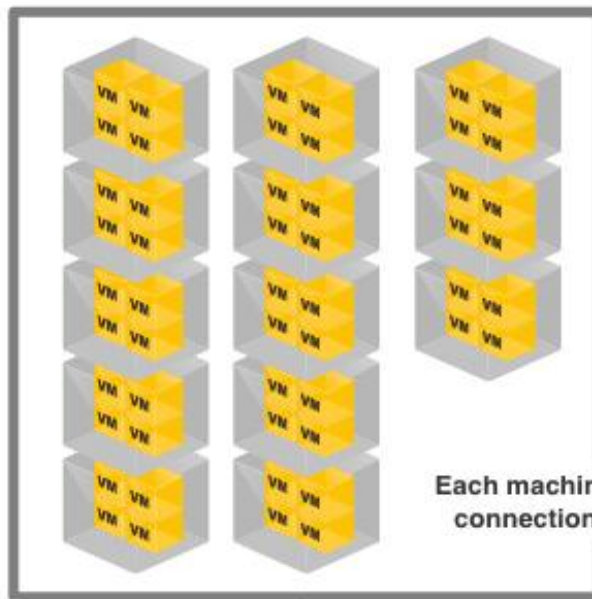


3 x special purpose

- OVM Mgmt
- Condor submit
- NIS & NFS scratch



13 x interactive machines



Each machine has single connection to the SAN

Brocade 300
(active)

Brocade 300
(cold spare)

SataBeast

VM Images reside
on SataBeast



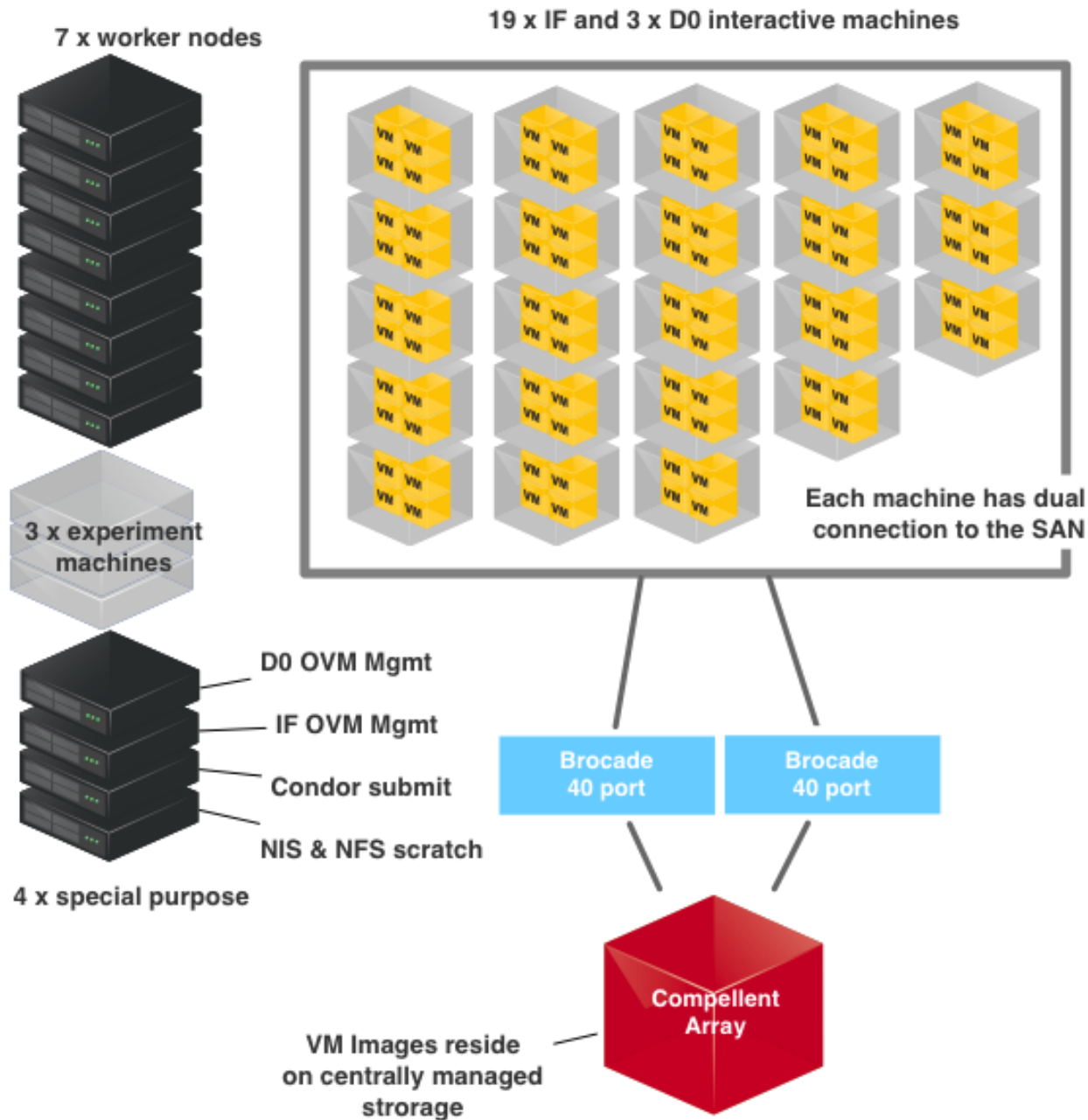
Expansion

- Expand GPCF to include functionality currently provided by the D0 Virtual Iron cluster
- Re-provision 6-8 existing “worker nodes” to “interactive nodes”

Hardware Upgrades

- Upgrade memory on all existing GPCF nodes to 48GB
- Migrate existing backend storage from SataBeast to dual fabric, centrally managed Compellent storage.
- Make all DOM0/Interactive machines dual FC ported so each system can have a independent connection to both SAN fabrics.
- Swap the 2 Brocade 300 FC switches for 2 x 40port Brocade switches.

Upgraded GPCF (Fall 2011)





More Info

SCF/FEF GPCF Upgrade and Expansion Plan

DocDB: CD-doc-4384-v1