

# GPCF Status 3/17/10

- Hardware purchases
  - Responses to bid for joint FermiCloud and GPCF purchase are in. Waiting for clarifications from vendors. Expect to generate PO by end of this week. Delivery ~6 weeks.
  - Expectation is to purchase
    - 6 interactive nodes with 8 cores, 24 GB memory, mirrored system disk, 2TB data/scratch disk, fibre channel HBA. These will run VMs.
    - 26 batch nodes, as above w/o FC

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- Other hardware
  - SAN fabric with ~30 TB usable disk space
    - Home for VM image management
    - Potential shared (among interactive nodes) / NFS (to batch nodes) project/user file system
  - Funds (~\$30K) retained to expand storage
    - Would like to await FermiCloud storage studies (GPCF nodes can be identically configured)
    - Could be local disks (up to 12 TB/node more, usable locally, or part of a distributed file system), SAN disks, or elsewhere (e.g. BlueArc)
  - Funds (~\$15K) retained for a few additional servers

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- Desired input from the users:
  - Timing
    - Urgent, willing to be early user
    - Eager, but want things to be stable
    - Watching / waiting for evidence of usefulness
  - Quantity
    - Number of VMs
    - Number of batch slots
    - Disk space (on SAN share, future options – but not BlueArc)
  - VMs
    - Selected OS and products
  - Environment
    - NIS/yp domains
  - Anything else???