PASS Technology Update

- DCE/DFS support end of life in '08
- PASS will continue, we will replace DFS
- 5 year search yields GPFS
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- Active GPFS as PASS R&D since '06

- GPFS compared to DFS:
  - Faster!
  - SAN based failover
  - System based accounts (UID not UUID)
  - NFS version 4 support, including ACLs

- Unique vendor relationship
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- Planned changes in PASS access methods
  - AFP gateway (mac.pass.psu.edu) to be decommissioned June 12
  - NFS gateway (nfs.pass.psu.edu) to provide NFSv4, may provide NFSv3 support temporarily
  - SMB/CIFS (win.pass.psu.edu)
    - new name: smb.pass.psu.edu
    - may become fully kerberized
  - More may come later...
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- Application changes
  - ACL Explorer / Reset, etc
  - Club Server Admin (admin.clubs.psu.edu)
  - Various internal changes
  - More may come later...
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- **Tentative Timeline**
  - Thru Summer '07: GPFS for PASS evaluation
  - Summer '07: “beta test” available
  - Aug '07+: Begin data migration
  - Spring '08: DCE/DFS shutdown target

- **Informational / feedback site to come soon**
  - My project blog: www.personal.psu.edu/jcd/blogs/NextPass

- **Questions ??**
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- Glossary:
  - PASS: Penn State Access Account Storage Space, aset.its.psu.edu/ait/storagespace.html
  - DCE/DFS: Distributed Computing Environment and Distributed File System
  - GPFS: General Parallel File System