

PASS Technology Update

- DCE/DFS support end of life in '08
- PASS will continue, we will replace DFS
- 5 year search yields GPFS

PASS Technology Update

- 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

PASS Technology Update

- 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...

PASS Technology Update

- Application changes
 - ACL Explorer / Reset, etc
 - Club Server Admin (admin.clubs.psu.edu)
 - Various internal changes
 - More may come later...

PASS Technology Update

- 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 ??

PASS Technology Update

- 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