

Penn State Access Account Windows
Active Directory Domain
Town Meeting

Information Technology Services
7/13/04

Agenda

- Intro and overview
 - Steve Kellogg
- Domain Name Service
 - John Kalbach
- Implementation Details
 - Mark Campbell
- Next steps and Q&A
 - Phil Pishioneri

Who are we?

- Information Technology Services(ITS; J. Gary Augustson)
 - Academic Services and Emerging Technologies (ASET: Kevin Morooney)
 - Advanced Information Technologies(AIT; Steve Kellogg)
 - Accounts Services Group (Jerry Mihaly)
 - Enabling Technologies Group (Phil Pishioneri)
 - Mark “Colonel” Campbell
 - Networking and Advanced Servers Group (John Kalbach)
 - Chris Hubing
 - Software Solutions Group (Jim Vuccolo)

Partnerships

- Special Thanks to CWC
 - First pilot deployment
 - Tom Irwin
 - Graham Glynn
 - Rick Coons
- Open to others

Objective

- To provide a Microsoft Windows Active Directory domain that leverages our existing infrastructure.
- To provide a unified authentication and authorization domain (between AD and Open Standards-based infrastructure.)

Infrastructure

- Access Account management- CACTUS
 - Automated datafeeds
 - Stored procedures
 - Automated service allocation/deallocation
- MIT Kerberos 5
- LDAP version 3
- DNS

Basic Approach

- One way trust from AD to Kerberos realm
 - Exactly one place to hold Access Account passwords
- Account user data fed via LDAP directory
- All access accounts dynamically managed in root.
- Delegate as much as possible to local domains
- Allow for local users, group and policies
- Centrally manage global groups
 - Maintain sync with LDAP server