Microsoft Implementation Group (MIG)

Briefing for DCSS

Fall 2003

By Marc DeBonis

What is the MIG?

- Personnel
  - Marc DeBonis (Sr. Systems Architect)
  - Zeb Bowden (Systems Architect/Developer)
  - Steve Warrick (Data Curator/Developer)
- Tasks
  - Act as a liaison between Microsoft and University IT
  - Administrate root VT Active Directory (Hokies)
  - Develop Opensource tools to promote scalability, stability and security of Windows OSes in .edu environment

AD update

- Stats
  - 16 child domains in AD
  - 164 organizational units in root
  - 4691 users in root
  - 7213 contacts in root
- Hokies Self-Service (http://selfservice.w2k.vt.edu)
  - Allows auto-creation of full user accounts and much more
- OU admin (http://ouadmin.w2k.vt.edu)
  - Allows sub-administration of Hokies accounts and more
- ED->AD Synch
  - Creates contact objects in AD for faculty/staff automatically
  - Updates select attributes from ED, including mail stop
  - Now synching every 30 minutes
  - Access demographic information via GAL\Outlook Address Book or Start->Search->For People on a workstation that is a member of AD

AD update (cont.)

- Co-location underway
  - New root AD DC being installed in Cassell
  - Will host DDNS and GC (other FSMOs?)
  - Will prevent Hokies login failures to workstations if AISB DCs are unavailable
  - Adds redundancy and speed to other AD-related tasks
- Notice will go out when new ip needs to be added to W2K/XP clients' DNS entries
- ETA 11/1

Security update

- Had been doing proactive scanning every Monday
  - Scanning 198.82.x.x, 128.173.x.x
    - Difficult to exclude specific ranges with current tools
  - Scanning for Messenger vulnerability
    - Lack of MS03-043 hotfix
    - 1892 unpatched systems as of 10/20
  - Scanning for RPC/DCOM vulnerability
    - Lack of MS03-026 and MS03-029 hotfixes
    - 753 may be vulnerable as of 10/20
  - Scanning for Trojan ports open
    - Open ports: 69, 707, 4444
    - 182 probably trojaned as of 10/20
- Results were emailed to CIRT and NLs
- PLEASE update your DNS host records!

Security update (cont.)

- EOL step 1: (completed Aug 1st)
  - Removed NT 4.0 trust relationships
  - Increased RestrictAnonymous to level 2
    - Significantly reduced account lockouts due to username/password guessing
- EOL step 2: (was scheduled Nov 1st - TBD)
  - Disable LM authentication
    - WILL affect Windows 9x and Mac OS 9 systems
    - Biggest concern is Outlook/Exchange usage
  - Remove LM hashes from user accounts
  - Force expire passwords that fail complexity test

MIG Opensource

- New website: http://opensource.w2k.vt.edu
- Online since April 28,2003
- Daisy v2.1
  - 938 downloads since v2.1
- Portinator beta 1
  - 3 downloads since 10/22
- Hokies Self-Service v2.3
  - 24 downloads
- OU Admin v1.0
  - 17 downloads
- AuthAD v1.2
  - 8 downloads

MIG Opensource (cont.)

- Daisy downloads from
  - Indiana University
  - USC
  - CMU
  - JMU
  - University of Miami
  - University of Akron
  - US Army
  - FOX Sports
  - TechTV
  - Mattel
  - National Archives and Library of Canada
- HSS & OUadmin from
  - Georgetown University
  - Iowa State University
  - University of Notre Dame
  - Wilmington College
  - Hollins University
  - University of Michigan
  - Saint Louis University
  - Wellesley College
  - Delft University
  - Central Michigan University
  - NC State

Other projects

- Medium Facilities Management – MFM
  - Next option in University Services
    - Will provide pushed security GP, IPSEC, hotfixes, etc
- Mac OS X 10.3 integration
  - Act as authenticated workstations to AD
  - Address book securely queries to AD
  - iCal, iSync provide some mechanisms into Exchange/AD
- Internal: IVY, DAD, HADSS, SafetyNet
- MS betas: MACS, MBSA, VSrv, W2K3 sp1

Linkage

- W2K http://www.w2k.vt.edu
- MIG http://vtmig.w2k.vt.edu
- MIG Opensource http://opensource.w2k.vt.edu
- VT Windows User's Group http://vtwug.w2k.vt.edu
- Hokies Self-Service http://selfservice.w2k.vt.edu
- OU Admin http://ouadmin.w2k.vt.edu

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