

Windows 2000 Deployment Technical Challenges at the University of Colorado at Boulder – Updates

1) AD Design

- a) The design shown in Figure 1 of the paper has been created on the UCB campus and departments are beginning to join, each at their own pace.
- b) In section 2.5, I inaccurately stated that all departments have a four-letter abbreviation. In fact, only academic departments have such abbreviations and we are recommending names for non-academic departments who join the domain.

2) Kerberos Interoperability/Authentication

- a) We have initially built our domain using the model discussed in section 3.2, but we have found that the NTLM authentication needs (section 3.3) are greater than expected. This is primarily due to the large number of Exchange 5.5 and IIS environments on our campus. Exchange 5.5 cannot use kerberos for authentication, but Exchange 2000 can and will use kerberos for authentication. Because of this, we have created a proposal to allow users to set their domain passwords.

3) Account Management and Directory Issues

- a) The account synchronization plan discussed in the first paragraph of section 3.4 is currently in place and we continue to work with the directory services team to prepare for adapting to the new directory. This may include implementing inetorgPerson and eduPerson classes to our domain.
- b) One of the important issues that has arisen from account management/directory services discussions has been that of Family Educational Rights and Privacy Act (FERPA, or Buckley Amendment). When our full directory is up, we must carefully handle setting proper permissions within the Windows 2000 domain to prevent any violations of FERPA.

4) DNS Interoperability

- a) We have configured our domain to the model shown in Figure 3 without any major problems. We found managing the DNS SRV records much easier after learning that each domain controller maintains a list of the required DNS entries in a file called netlogon.dns.

5) Resources

- a) UCB Windows 2000 project web page: <http://www.colorado.edu/its/windows2000>
- b) MSN Web community (maintained by UCB): <http://communities.msn.com/Windows2000inHigherEducation> (include description when joining with school name)
- c) Windows 2000 in Higher Education list (maintained by Stanford): win2000-hied@lists.stanford.edu (majordomo list)