Week-4 Agenda:

1. Week-3 review/questions

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1. Week-4 Slides

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1. Q&A

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1. Lab time:
   1. Demo LBCC Active Directory:
      1. SSO
      2. Groups
      3. GPOs – gpresult
      4. Global Catalog (GC)
   2. Install and configure Active Directory Domain Services (AD DS):
      1. This is a two-step process:
         1. Install bits
         2. Promote server to become Domain Controller
      2. NOTE: the AD DS installation will install other services (Group Policy and DNS)
      3. NOTE: DNS is integrated into Active Directory (data is encrypted and will use Active Directory replication)
   3. Promote server to become Domain Controller
   4. On the Deployment Configuration screen, talk about each option
   5. Select the Add a new forest options
   6. Root Domain Name = CS240A?.COM (where ? is different for each student):
      1. Talk about the NetBIOS vs FQDN names
      2. Talk about why the NetBIOS names need to be different
   7. On the Domain Controller Option screen, talk about each option:
      1. Leave default options
      2. Enter DSRM password (same as administrator)
   8. On the Additional Options screen wait for the NetBIOS name to popup
   9. On the Path screen, accept all defaults
   10. On the Prerequisite Check screen, check the issues and ignore the NT 4.0 and DNS warnings
   11. NOTE: While installing, talk about the local SAM database and what will happen to it after the server is promoted to DC
   12. NOTE: The server will reboot, after that it’s a DC server
   13. After reboot:
       1. At logon screen, Show the Domain name and explain
       2. From the Tools menu:
          1. Talk about Active Directory options:
             1. Special attention to Active Directory Users and Computers
          2. Talk about DNS:
             1. No longer flat files (inside AD database)
             2. Uses AD replication
             3. Automagically changed DNS IP to 127.0.0.1
             4. NOTE: Did it create CS240A.EDU zone from week-3 flat files? If so, nslookup names with cs240a.edu.
             5. <https://blogs.msdn.microsoft.com/servergeeks/2014/07/12/dns-records-that-are-required-for-proper-functionality-of-active-directory/>
          3. Talk about Group Policy Management
          4. Local Security Policy
          5. NOTE: Talk about the relationship between the two