Week-3 Agenda:

1. Week-2 review/questions
2. Is Windows Server 2016 install, configured, and working on disk0?

-

1. Week-3 Slides

-

1. Q&A

-

1. Lab time:
   1. Install and configure DNS, after successful install:
   2. DNS added to navigation pane (double click and look around)
   3. DNS Files = c:\windows\system32\dns
   4. Click on Tools and DNS (DNS Manager)
   5. Chat bout:
      1. Forward lookup zones
      2. Reverse lookup zones
      3. Trust points
      4. Forwarder
   6. Write-click on the computer name, then click on Properties:
      1. Talk about each tab
   7. Let’s create a forward lookup zone:
      1. Right-click on Forward Lookup Zones and click on New Zone
      2. Zone Name = CS240A.EDU
      3. Accept all defaults
      4. Open up the new zone and talk about SOA and NS records
      5. Look in c:\windows\system32\dns, what do you see?
      6. NOTE: Flat file, no encryption, is this an issue?
      7. Change your server DNS IP to 127.0.0.1
      8. Test: nslookup [www.google.com](http://www.google.com) – did it work? Why?
      9. Add your computer name as A record (i.e. winsrv2016 = 192.168.168.2)
      10. Test: nslookup winsrv2016.cs240a.edu
      11. Add a second A record for your computer name with a different IP (i.e. winsrv2016 = 192.168.168.3)
      12. Test: nslookup winsrv2016.cs240a.edu multiple times – do you see Round Robin at work?
      13. Add CNAME: www = winsrv2016.cs240a.edu
      14. Test: nslookup www.cs240a.edu multiple times – do you see Round Robin at work?
      15. Look in c:\windows\system32\dns\cs240a.edu.dns file, what do you see?
   8. Let’s create a reverse lookup zone:
      1. Right-click on Reverse Lookup Zones and click on New Zone
      2. Network ID = 192.168.160
      3. Accept all defaults
      4. Look in c:\windows\system32\dns, what do you see?
      5. NOTE: Flat file, no encryption, is this an issue?
      6. Let’s go back to Forward Lookup Zone, and enable Update Associate Pointer (PTR) Records
      7. May as well add anther 1-2 A records (i.e. ZikoPc, SuePC, etc.)
      8. Do you see records in Reverse Lookup Zone? If not, refresh.
      9. Test: nslookup 192.168.160.2
      10. What is the value of the Reverse Lookup Zone?
   9. When done with all testing, remove DNS service (will install with Active Directory)