

## CIS231 Homework – Member Server / Move DHCP Services

**BEFORE WORKING ON THIS ASSIGNMENT YOU MUST HAVE COMPLETED THE PASSWORD RECOVERY ASSIGNMENT and THE REVIEW ASSIGNMENT. IF YOU HAVE NOT, CONTACT ME FIRST BEFORE WORKING ON THIS ASSIGNMENT.**

### Overall Goal of this assignment:

- Make your CIS131 server a member server in your CIS231 domain.
  - **Move** the DHCP server services from your original server to the member server
  - The Member Server will provide DHCP services on your network. Your Domain Controller will no longer provide the service.
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### General steps

- Move your CIS131 Virtual Machine (server) from your CIS131 folder to your CIS231 folder.
  - Rename the virtual machine – the new machine name must be ***your-initials-231- DHCP***
  - The CIS131 server has 2 adapters; delete the one that is on the college network
  - Change the adapter that's on the CIS131 network; put it on your CIS231 private vmware network.
  - Boot the machine and statically configure the adapter; use an available IP address on your network and configure all TCP/IP settings appropriately.
  - Remove the "Active Directory Domain Services" role from the CIS131 server.
    - When removing, check off "last DC in domain" and force the removal of this DC
    - Use Microsoft! for the local administrator's password.
  - Remove the DNS role from the CIS131 server
  - Rename the computer: use Win20012R2-mbr as the new name and make the server a Member Server in your CIS231 domain.
  - Move DHCP from your Domain Controller to the Member Server.
  - Test the results.
1. **Before moving dhcp off the domain controller**, generate screenshots from the Domain Controller (existing DHCP server) that show me each of the following;
    - a. Address pool
    - b. Address Leases
    - c. Reservations.
    - d. Scope options
    - e. Server options
    - f. DIR listing of C:\WINDOWS\SYSTEM32\DHCP directory

MOVE the existing DHCP services from the Domain Controller to this new machine.

When done, your member server should be providing DHCP services. It must also have Internet access and administrative tools. Your Domain Controller should still have the DHCP services installed but the services should be disabled.

Obviously, after moving the services to the member server make sure everything works; confirm your clients are now getting their addresses from the new DHCP server. Confirm they still can get online, can still run ADU&C, etc.

After successfully moving and testing the DHCP server services, provide the following screenshots:

2. At Member Server / new DHCP Server
  - a. Tcp/ip settings of member server
  - b. Address pool
  - c. Address leases
  - d. Reservations
  - e. Scope Options
  - f. Server Options
  - g. DIR listing of C:\WINDOWS\SYSTEM32\DHCP directcory
  - h. Output to the following command: `sc query dhcpserver`
  - i. Output to the following command: `sc qc dhcpserver`
  - j. Confirmation you can get online
  - k. Confirmation you can run ADU&C
3. Back at the original server: output to the following command: `dsquery server`
4. At each Client, display the tcpip properties screen AND output to `ipconfig /all`. Label your screenshots with the respective OS name.
5. At Domain Controller / old dhcp server:
  - a. DIR listing of C:\WINDOWS\SYSTEM32\DHCP directcory
  - b. Output to the following command: `sc query dhcpserver`
  - c. Output to the following command: `sc qc dhcpserver`
  - d. Active Directory Users and Computers; display the contents of the Computers Container.
  - e. Active Directory Users and Computers; display the contents of the Domain Controllers Container.
  - f. Output to the following command: `Dsquery server`