Deliverable 1. Take a snapshot of the results of ipconfig /all. Note the DHCP server of 10.0.5.3 should be there, your IP address should be the first IP address in the scope you set earlier. Your domain name, netmask and gateway should also be set correctly.

```
Command Prompt
Windows IP Configuration
  Host Name . . . . . . . . . . : wks01-david
  Primary Dns Suffix . . . . . . : david.local
  Node Type . . . . . . . . . . : Hybrid
  IP Routing Enabled. . . . . . : No
  WINS Proxy Enabled. . . . . . : No
  DNS Suffix Search List. . . . . : david.local
Ethernet adapter Ethernet0:
  Connection-specific DNS Suffix . : david.local
  Description . . . . . . . . : Intel(R) 82574L Gigabit Network Connection
  Physical Address. . . . . . . . : 00-50-56-B3-45-0A
  DHCP Enabled. . . . . . . . . : Yes
  Autoconfiguration Enabled . . . . : Yes
  Link-local IPv6 Address . . . . . : fe80::f132:b600:6103:6c0c%3(Preferred)
  IPv4 Address. . . . . . . . . . . . . 10.0.5.100(Preferred)
  Lease Obtained. . . . . . . . : Sunday, September 26, 2021 10:55:17 AM
  Lease Expires . . . . : Sunday, September 26, 2021 10:55:07 PM
Default Gateway . . . : 10.0.5.2
DHCP Server . . . : 10.0.5.3
  DHCPv6 IAID . . . . . . . . . : 100683862
  DHCPv6 Client DUID. . . . . . : 00-01-00-01-28-BF-0D-60-00-50-56-B3-45-0A
  DNS Servers . . . . . . . . . : 10.0.5.5
  NetBIOS over Tcpip. . . . . . : Enabled
```

Deliverable 2. Log back into dhcp01 and find the DHCP log associated with wks01's request for DHCP information. Take a snapshot similar to the one below. The IP address, the workstation name, the layer 2 address should all match between deliverables 1 and 2.

```
[davidedhcp01-david ~]$ sudo cat /var/log/messages | grep wks01-david
Sep 26 13:55:22 dhcp01-david dhcpd: DHCPOFFER on 10.0.5.100 to 00:50:56:b3:45:0a (wks01-david) via e ns192
Sep 26 13:55:22 dhcp01-david dhcpd: DHCPREQUEST for 10.0.5.100 (10.0.5.3) from 00:50:56:b3:45:0a (wks01-david) via ens192
Sep 26 13:55:22 dhcp01-david dhcpd: DHCPACK on 10.0.5.100 to 00:50:56:b3:45:0a (wks01-david) via ens 192
[davidedhcp01-david ~]$
```

Deliverable 3. Provide a screenshot similar to the one below that shows the 4 Key DHCP Messages.

No		Time	Source	Destination	Protocol	Length Info
		1 0.000000	10.0.5.100	10.0.5.3	DHCP	342 DHCP Release - Transaction ID 0xcb10bf24
	19	95 19.410128	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x1fe19a02
	20	02 20.412768	10.0.5.3	10.0.5.100	DHCP	342 DHCP Offer - Transaction ID 0x1fe19a02
	20	03 20.413684	0.0.0.0	255.255.255.255	DHCP	374 DHCP Request - Transaction ID 0x1fe19a02
	- 20	04 20.428434	10.0.5.3	10.0.5.100	DHCP	342 DHCP ACK - Transaction ID 0x1fe19a02
-						

Deliverable 4. Figure out how to change the default lease time given to dhop clients to 1 hour with a max lease time of four hours. Provide a screenshot displaying new configuration.

https://github.com/dthomsen116/SYS_255/wiki/Thomsen-SYS255-Lab04