

Ch. 6 Project on Canvas “Examine Network/Wireless Security Settings”

1. Provide a screenshot(s) showing the following information:

a. IP address - [REDACTED]

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Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . . .
Description . . . . .
Physical Address. . . . .
DHCP Enabled. . . . .
Autoconfiguration Enabled . . . .
Link-local IPv6 Address . . . .
IPv4 Address. . . . .
Subnet Mask . . . .
Lease Obtained. . . . .
Lease Expires . . . .
Default Gateway . . . .
DHCP Server . . . .
DHCPv6 IAID . . . .
DHCPv6 Client DUID. . .
DNS Servers . . . .
Primary WINS Server . . . .
Secondary WINS Server . . . .
NetBIOS over Tcpip. . . . .
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b. Subnet mask - [REDACTED]

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Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . .
Description . . . . .
Physical Address. . . . .
DHCP Enabled. . . . .
Autoconfiguration Enabled . . . .
Link-local IPv6 Address . . . .
IPv4 Address. . . . .
Subnet Mask . . . .
Lease Obtained. . . . .
Lease Expires . . . .
Default Gateway . . . .
DHCP Server . . . .
DHCPv6 IAID . . . .
DHCPv6 Client DUID. . .
DNS Servers . . . .
Primary WINS Server . . . .
Secondary WINS Server . . . .
NetBIOS over Tcpip. . . . .
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c. Gateway address - [REDACTED]

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Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . .
Description . . . . .
Physical Address. . . . .
DHCP Enabled. . . . .
Autoconfiguration Enabled . . .
Link-local IPv6 Address . . .
IPv4 Address. . . . .
Subnet Mask . . . . .
Lease Obtained. . . . .
Lease Expires . . . . .
Default Gateway . . . . .
DHCP Server . . . . .
DHCPv6 IAID . . . . .
DHCPv6 Client DUID. . . . .
DNS Servers . . . . .

Primary WINS Server . . . . .
Secondary WINS Server . . . . .

NetBIOS over Tcpip. . . . .
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d. DNS servers - [REDACTED]

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Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . .
Description . . . . .
Physical Address. . . . .
DHCP Enabled. . . . .
Autoconfiguration Enabled . . .
Link-local IPv6 Address . . .
IPv4 Address. . . . .
Subnet Mask . . . . .
Lease Obtained. . . . .
Lease Expires . . . . .
Default Gateway . . . . .
DHCP Server . . . . .
DHCPv6 IAID . . . . .
DHCPv6 Client DUID. . . . .
DNS Servers . . . . .

Primary WINS Server . . . . .
Secondary WINS Server . . . . .

NetBIOS over Tcpip. . . . .
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e. MAC address - [REDACTED]

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Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . . .
Description . . . . . .
Physical Address. . . . . .
DHCP Enabled. . . . . .
Autoconfiguration Enabled . . .
Link-local IPv6 Address . . .
IPv4 Address. . . . . .
Subnet Mask . . . . .
Lease Obtained. . . . .
Lease Expires . . . . .
Default Gateway . . . . .
DHCP Server . . . . .
DHCPv6 IAID . . . . .
DHCPv6 Client DUID. . . .
DNS Servers . . . . . .

Primary WINS Server . . . . .
Secondary WINS Server . . . . .

NetBIOS over Tcpip. . . . . :
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2. What command(s) did you run to provide this information?

I used the *ipconfig /all* command to find these information.

3. What is the manufacture of your wired or wireless network card? (Hint: Use a MAC address lookup site)

The manufacturer of my network card is Intel Corporation.

4. While connected to a wireless network provide the following information:

a. Broadcasted SSID [REDACTED]

b. Radio Type (ex. 802.11b) **Wi-Fi 6 (802.11ax)**

c. Security Type (ex. WEP) **WPA2-Personal**

5. Bonus: Using a wireless analyzer tool to provide the following information:

(Hint: <http://www.howtogeek.com/197268/how-to-find-the-best-wi-fi-channel-for-your-router-on-any-operating-system/>)

a. Broadcasting channel - [REDACTED]

b. MAC address of Access Point (AP) - [REDACTED]

c. Are other APs broadcasting on the same channel and/or overlapping channel? **Nope, this AP is a lonely wolf that has the channel all by itself.**

d. What is the best channel to use for the AP? - Network Channel

e. Provide screenshot or photo of wireless analyzer tool

