

Quiz Submissions - Lab04 - Postlab Quiz (20W)



Melanie Belanger (username: bela0433)

Attempt 1

Written: Jan 31, 2020 3:09 PM - Jan 31, 2020 3:16 PM

Submission View

Your quiz has been submitted successfully.

Question 1

This study resource was
shared via CourseHero.com

```

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.15.106
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 192.168.15.1

Ethernet adapter VMware Network Adapter VMnet1:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.29.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Ethernet adapter VMware Network Adapter VMnet8:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.227.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Tunnel adapter isatap.<07D56837-C3B9-4EE2-B954-15412F257287>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<1D888087-BE3A-46B1-BFF7-3F00F154E68A>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<ADD13316-AD5F-4A3E-810C-D0074B1FD588>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\Yvan>arp -a

Interface: 192.168.15.106 --- 0x3
    Internet Address      Physical Address      Type
    192.168.15.1          0c-47-3d-a1-88-82    dynamic
    192.168.15.2          c0-c1-c0-9f-0f-4f    dynamic
    192.168.15.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static
    255.255.255.255       ff-ff-ff-ff-ff-ff    static

Interface: 192.168.29.1 --- 0x13
    Internet Address      Physical Address      Type
    192.168.29.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static

Interface: 192.168.227.1 --- 0x14
    Internet Address      Physical Address      Type
    192.168.227.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static

```

Examine and analyse the output of the arp -a and ipconfig shown in the exhibit above to answer the following question. Note that both commands were run on the same device having IP 192.168.15.106.

What is the default gateway's MAC address: [dgmac]

Answer NA if it is impossible to tell from the information provided.

Answer: 0c-47-3d-a1-88-82 ✓

Question 2

```
Ethernet adapter Ethernet:
    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.15.106
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 192.168.15.1

Ethernet adapter VMware Network Adapter VMnet1:
    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.29.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Ethernet adapter VMware Network Adapter VMnet8:
    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.227.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Tunnel adapter isatap.<07D56837-C3B9-4EE2-B954-15412F257287>:
    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<1D888087-BE3A-46B1-BFF7-3F00F154E68A>:
    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<ADD13316-AD5F-4A3E-810C-D0074B1FD588>:
    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\Yvan>arp -a

Interface: 192.168.15.106 --- 0x3
    Internet Address      Physical Address      Type
    192.168.15.1          0c-47-3d-a1-88-82    dynamic
    192.168.15.2          c0-c1-c0-9f-0f-4f    dynamic
    192.168.15.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static
    255.255.255.255       ff-ff-ff-ff-ff-ff    static

Interface: 192.168.29.1 --- 0x13
    Internet Address      Physical Address      Type
    192.168.29.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static

Interface: 192.168.227.1 --- 0x14
    Internet Address      Physical Address      Type
    192.168.227.255        ff-ff-ff-ff-ff-ff    static
    224.0.0.22            01-00-5e-00-00-16    static
    224.0.0.251           01-00-5e-00-00-fb    static
    224.0.0.252           01-00-5e-00-00-fc    static
    239.255.255.250       01-00-5e-7f-ff-fa    static
```

Examine and analyse the output of the arp -a and ipconfig shown in the exhibit above to answer the following question. Note that both commands were run on the same device having IP 192.168.15.106

What is the frame's destination MAC address if you are sending a message from 192.168.15.106 to 192.168.15.2: [dgmacc]

Question 3

```

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.15.106
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 192.168.15.1

Ethernet adapter VMware Network Adapter VMnet1:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.29.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Ethernet adapter VMware Network Adapter VMnet8:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . .           : 192.168.227.1
    Subnet Mask . . . . .           : 255.255.255.0
    Default Gateway . . . . .       : 

Tunnel adapter isatap.<07D56837-C3B9-4EE2-B954-15412F257287>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<1D888087-BE3A-46B1-BFF7-3F00F154E68A>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter isatap.<ADD13316-AD5F-4A3E-810C-D0074B1FD588>:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\Yvan>arp -a

Interface: 192.168.15.106 --- 0x3
    Internet Address      Physical Address      Type
    192.168.15.1         0c-47-3d-a1-88-82    dynamic
    192.168.15.2         c0-c1-c0-9f-0f-4f    dynamic
    192.168.15.255       ff-ff-ff-ff-ff-ff    static
    224.0.0.22           01-00-5e-00-00-16    static
    224.0.0.251          01-00-5e-00-00-fb    static
    224.0.0.252          01-00-5e-00-00-fc    static
    239.255.255.250      01-00-5e-7f-ff-fa    static
    255.255.255.255      ff-ff-ff-ff-ff-ff    static

Interface: 192.168.29.1 --- 0x13
    Internet Address      Physical Address      Type
    192.168.29.255       ff-ff-ff-ff-ff-ff    static
    224.0.0.22           01-00-5e-00-00-16    static
    224.0.0.251          01-00-5e-00-00-fb    static
    224.0.0.252          01-00-5e-00-00-fc    static
    239.255.255.250      01-00-5e-7f-ff-fa    static

Interface: 192.168.227.1 --- 0x14
    Internet Address      Physical Address      Type
    192.168.227.255       ff-ff-ff-ff-ff-ff    static
    224.0.0.22           01-00-5e-00-00-16    static
    224.0.0.251          01-00-5e-00-00-fb    static
    224.0.0.252          01-00-5e-00-00-fc    static
    239.255.255.250      01-00-5e-7f-ff-fa    static

```

Examine and analyse the output of the arp -a and ipconfig shown in the exhibit above to answer the following question. Note that both commands were run on the same device having IP address 192.168.15.106.

What is the frame's destination MAC address if you are sending a message from 192.168.15.106 to a device located on a remote network segment: [dgmacc]

Answer NA if it is impossible to tell from the information provided.

Answer: 0c-47-3d-a1-88-82 ✓

Attempt Score:3 / 3

Overall Grade (highest attempt):3 / 3

Done

This study resource was
shared via CourseHero.com