

For all Lab submissions, pay attention to:

- For all screenshots
 - Each screenshot must include the computer's date and time.
 - Fig 1 and 2 below shows Thursday, Jan 10, 2019 2:26pm and 2:32pm respectively. (For Windows Users. Time and Date would be in the taskbar.
 - Screenshots must be readable for grade.
- For Wireshark Screenshot
 - Screenshot must be FULL screenshot
 - All of the details tab must be included. Only expand the applicable layer that answers the question. (In Fig 1 below. Only IP tab is expanded). I suggest resizing the packets capture and listing sections, to make the layer section wider.
 - Answer must be highlighted in the screenshot.
- For Terminal Screenshot
 - Screenshot must be FULL screenshot
 - Answer must be highlighted in the screenshot.
- Lab Document:
 - All answers must be typed.

See below for screenshot and response samples.

Question:

1. What is your computers IP address? – Using Wireshark

192.168.1.150

The image shows a Wireshark network traffic capture. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. The status bar at the top right shows the date and time as 'Thu Jan 10 2:26 PM' and the user as 'Ibrahim Waziri, Jr.'. The main window displays a list of captured packets. Packet 11 is selected, showing a TCP ACK segment from 192.168.1.150 to 103.47.76.177. The packet details pane shows the following information:

- Frame 10: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface 0
- Ethernet II, Src: Apple_97:0f:5c (10:40:f3:97:0f:5c), Dst: Comtrend_ec:16:cc (38:72:c0:ec:16:cc)
- Internet Protocol Version 4, Src: 192.168.1.150, Dst: 103.47.76.177
- TCP, Seq=5228, Ack=61886, Win=244, Len=0
- User Datagram Protocol, Src Port: 58287, Dst Port: 123
- Network Time Protocol (NTP Version 3, client)

The packet bytes pane at the bottom shows the raw data in hexadecimal and ASCII format.

2. What is your computer's IP address? – Using Terminal

192.168.1.150

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Terminal Shell Edit View Window Help
iiwaziri — root@d9e1d1c60b22: / — -bash — 175x46

stf0: flags=0<> mtu 1280
EHC253: flags=0<> mtu 0
EHC250: flags=0<> mtu 0
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=10b<RXCSUM, TXCSUM, VLAN_HWTAGGING, AV>
    ether 40:6c:8f:02:16:c5
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect (none)
    status: inactive
en1: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 10:40:f3:97:0f:5c
    inet6 fe80::c96:eaaf:550e:7e11%en1 prefixlen 64 secured scopeid 0x7
    inet 192.168.1.150 netmask 0xfffff00 broadcast 192.168.1.255
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
p2p0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 2304
    ether 02:40:f3:97:0f:5c
    media: autoselect
    status: inactive
en2: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=60<TS04,TS06>
    ether d2:00:1c:96:db:80
    media: autoselect <full-duplex>
    status: inactive
fw0: flags=8822<BROADCAST,SMART,SIMPLEX,MULTICAST> mtu 4078
    lladdr 3c:07:54:ff:fe:c9:6d:b8
    media: autoselect <full-duplex>
    status: inactive
bridge0: flags=8822<BROADCAST,SMART,SIMPLEX,MULTICAST> mtu 1500
    options=63<RXCSUM, TXCSUM, TS04, TS06>
    ether d2:00:1c:96:db:80
    Configuration:
        id 0:0:0:0:0:0 priority 0 hellotime 0 fwddelay 0
        maxage 0 holdcnt 0 proto stp maxaddr 100 timeout 1200
        root id 0:0:0:0:0:0 priority 0 ifcost 0 port 0
        ipfilter disabled flags 0x2
        member: en2 flags=3<LEARNING,DISCOVER>
            ifmaxaddr 0 port 9 priority 0 path cost 0
        media: <unknown type>
        status: inactive
utun0: flags=8851<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 2000
    inet6 fe80::f391:60b:bee0:e611%utun0 prefixlen 64 scopeid 0xc
    nd6 options=201<PERFORMNUD,DAD>
```