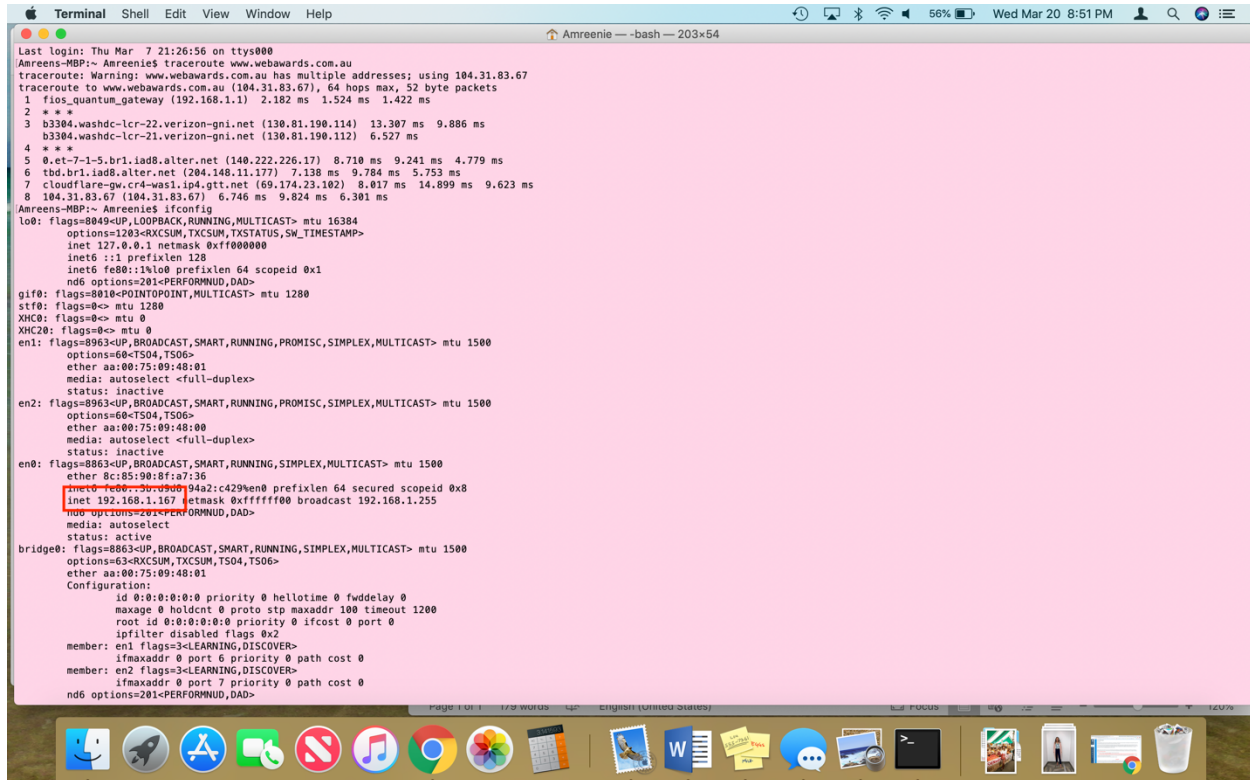


1. Questions:

1. What is your computers IP address? (This is not included in your traceroute results). Take a screenshot of your computers IP address. Your screenshot should indicate the time and date on your computer.

My IP Address is 192.168.1.167



```
Terminal Shell Edit View Window Help
Amreenie -- -bash -- 203x54

Last login: Thu Mar 7 21:26:56 on ttys000
Amreens-MBP:~ Amreenie$ traceroute www.webawards.com.au
traceroute: Warning: www.webawards.com.au has multiple addresses; using 104.31.83.67
traceroute to www.webawards.com.au (104.31.83.67), 64 hops max, 52 byte packets
 1  fios_quantum_gateway (192.168.1.1)  2.182 ms  1.524 ms  1.422 ms
 2  * * *
 3  b3304.washdc-lcr-22.verizon-gni.net (130.81.198.114)  13.307 ms  9.886 ms
 4  b3304.washdc-lcr-21.verizon-gni.net (130.81.198.112)  6.527 ms
 5  0.et-7-1-5.br1.iad8.alter.net (140.222.226.17)  8.710 ms  9.241 ms  4.779 ms
 6  tbd.br1.iad8.alter.net (204.148.11.177)  7.138 ms  9.784 ms  5.753 ms
 7  cloudflare-gw-crd-was1.ip4.gtt.net (69.174.23.182)  8.417 ms  14.899 ms  9.623 ms
 8  104.31.83.67 (104.31.83.67)  6.746 ms  9.824 ms  6.301 ms
Amreens-MBP:~ Amreenie$ ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
    options=1203<RXCSUM, TXCSUM, TXSTATUS, SW_TIMESTAMP>
    inet 127.0.0.1 netmask 0xff000000
    inet6 ::1 prefixlen 128
    inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
    nd6 options=281<PERFORMNUD,DAD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
XHC0: flags=0<> mtu 0
XHC20: flags=0<> mtu 0
en1: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=60<TSO4,TSO6>
    ether aa:00:75:09:48:01
    media: autoselect <full-duplex>
    status: inactive
en2: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=60<TSO4,TSO6>
    ether aa:00:75:09:48:00
    media: autoselect <full-duplex>
    status: inactive
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 8c:85:98:b7:a7:36
    rmem=65536,rmem0=94a2:c429%en0 prefixlen 64 secured scopeid 0x8
    inet 192.168.1.167 netmask 0xfffff000 broadcast 192.168.1.255
    nd6 options=281<PERFORMNUD,DAD>
    media: autoselect
    status: active
bridge0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=63<RXCSUM, TXCSUM, TSO4, TSO6>
    ether aa:00:75:09:48:01
    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: en1 flags=3<LEARNING,DISCOVER>
        ifmaxaddr 0 port 6 priority 0 path cost 0
    member: en2 flags=3<LEARNING,DISCOVER>
        ifmaxaddr 0 port 7 priority 0 path cost 0
    nd6 options=281<PERFORMNUD,DAD>
```

2. With reference to private/public IP addresses. What type of IP address is the first IP from your traceroute result?

The first IP address is the public IP address – for reference it is 192.168.1.1

3. With reference to private/public IP addresses. What type of IP address is the second IP from your traceroute result?

My second IP Address is empty.

4. In a tabular format (use table example below), and in sequential order. Indicate the location of each IP address (include state for US states) and the organization that owns the IP address. (Use <https://www.ultratools.com/tools/ipWhoisLookup> to look up IP address whois information). Add a row for every single IP in your traceroute result page.

Hop Count	IP Address	Organization (IP Owner)	Location (State/Country)
1	192.168.1.1	IANA	LA, CA
2	***		
3	130.81.190.114	MCICS	Ashburn, VA
3	130.81.190.112	MCICS	Ashburn, VA
4	***		
5	140.222.226.17	ANS Core Systems	Purchase, NY
6	204.148.11.177	ANS	Ashburn, VA
7	69.174.23.102	GTT	Germany
8	104.31.83.67	Cloudflare	LA, CA

5. In your own words, explain everything you just did, and what route did your packet took from source to destination. How many US states did your packet go through? How many countries if any?

I basically traced the stops my IP took along routers to get to the address given. My packet only went to 2 states not including Virginia: those states are California and New York. It only left the country once and went to Germany. My route went through most of the east coast and then went to west coast.