

Terminal Shell Edit View Window Help Amreenie — bash — 203x53

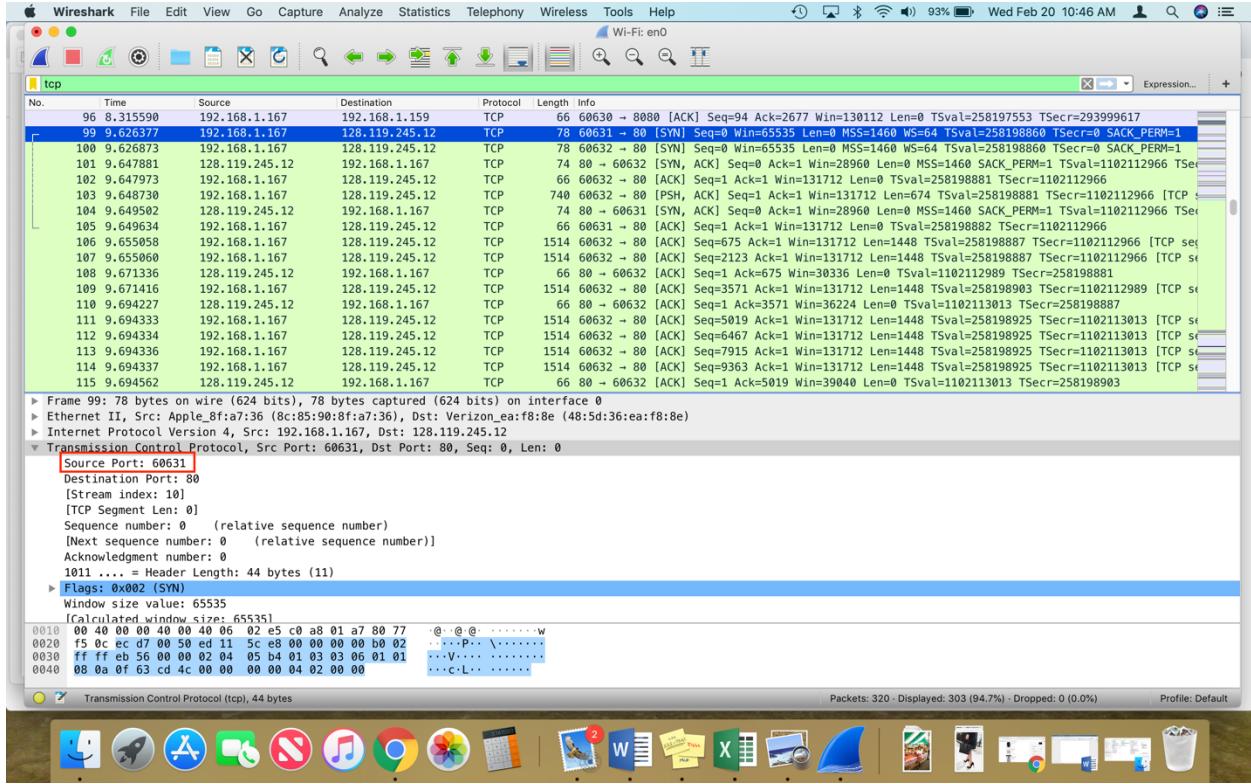
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gi0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
st0: flags=<UP,BROADCAST> mtu 1280
XHC0: flags=<UP,BROADCAST> mtu 0
XHC20: flags=<UP,BROADCAST> mtu 0
en1: flags=8083<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=f04-TS04,TS06>
    ether aa:00:75:09:48:01
    media: autoselect <full-duplex>
    status: inactive
en2: flags=8083<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=f04-TS04,TS06>
    ether aa:00:75:09:48:00
    media: autoselect <full-duplex>
    status: inactive
en0: flags=8083<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 8c:85:90:8f:a7:36
    inet6 fe80::3b:d98:94a2:c429%en0 prefixlen 64 secured scopeid 0x8
        inet 192.168.1.167 netmask 0xffffffff broadcast 192.168.1.255
        nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
bridge0: flags=8083<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=63-RXCSUM,TXCSUM,TS04,TS06>
    ether aa:00:75:09:48:01
    Configuration:
        priority 0 hellotime 0 fwddelay 0
        maxage 8 holdcnt 0 proto stp maxaddr 100 timeout 1200
        root id 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=201<PERFORMNUD,DAD>
    media: <unknown type>
    status: inactive
p2p0: flags=8043<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 2304
    ether 8e:85:90:8f:a7:36
    media: autoselect
    status: active
awdl0: flags=8043<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1484
    ether 0e:41:99:78:24:a8
    inet6 fe80::c41:99ff:fe78:24a0%awdl0 prefixlen 64 scopeid 0xb
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
utun0: flags=1<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 2000
    inet6 fe80::2a1:3722:d162:a9a2%utun0 prefixlen 64 scopeid 0xc
    nd6 options=201<PERFORMNUD,DAD>
utun1: flags=8051<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 1388
    inet6 fe80::6015:ac1a2a:213f%utun1 prefixlen 64 scopeid 0xd
    nd6 options=201<PERFORMNUD,DAD>
Amreens-MBP:~ Amreenees [ ]
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Ready to load or capture No Packets Profile: Default



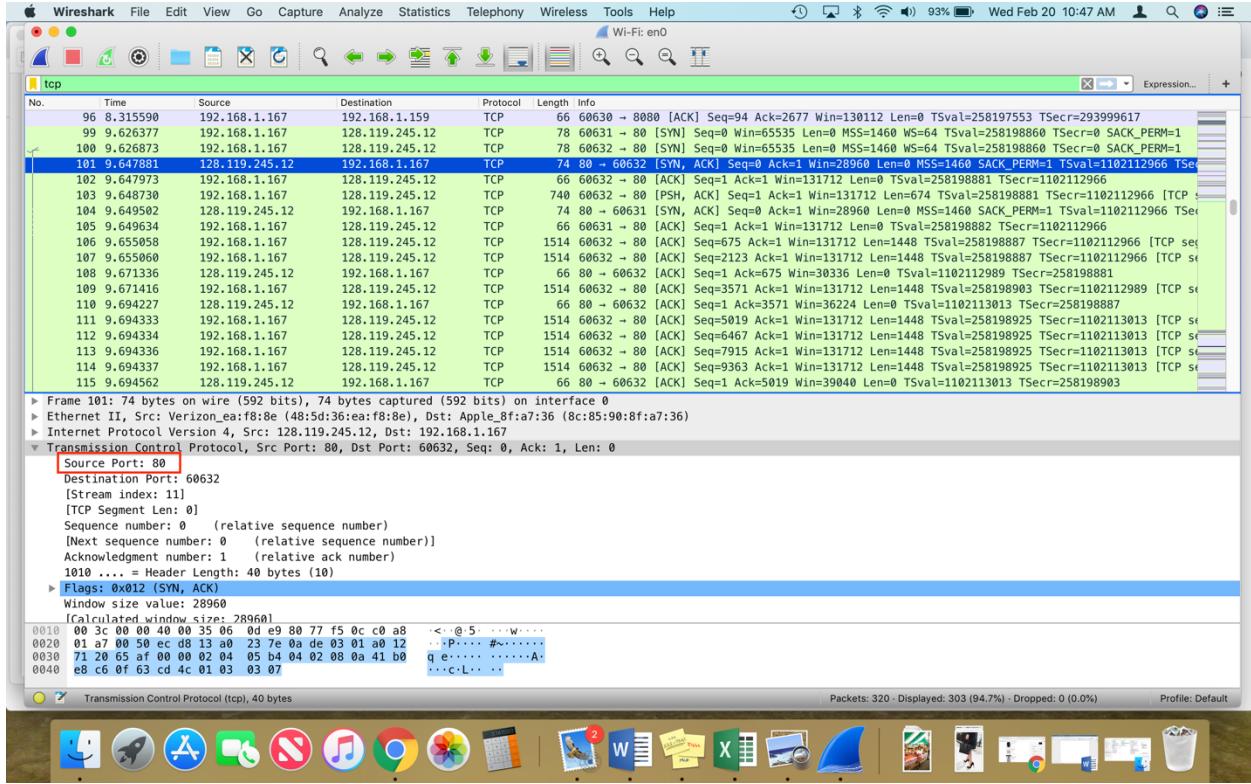
- What is the TCP port number used by your computer to communicate with gaia.cs.umass.edu?

My computer's port number is 60631.



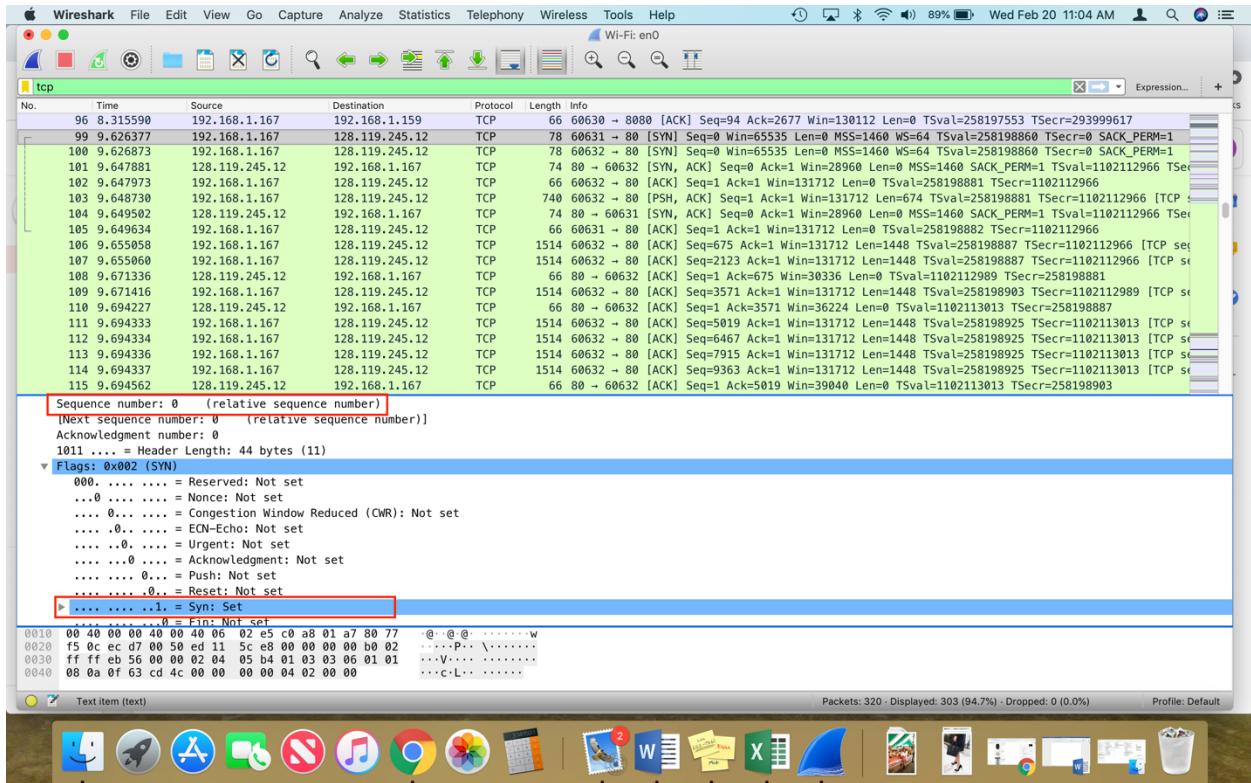
2. What is the TCP port number used by gaia.cs.umass.edu to communicate with your computer?

TCP port number used by the website is 80.



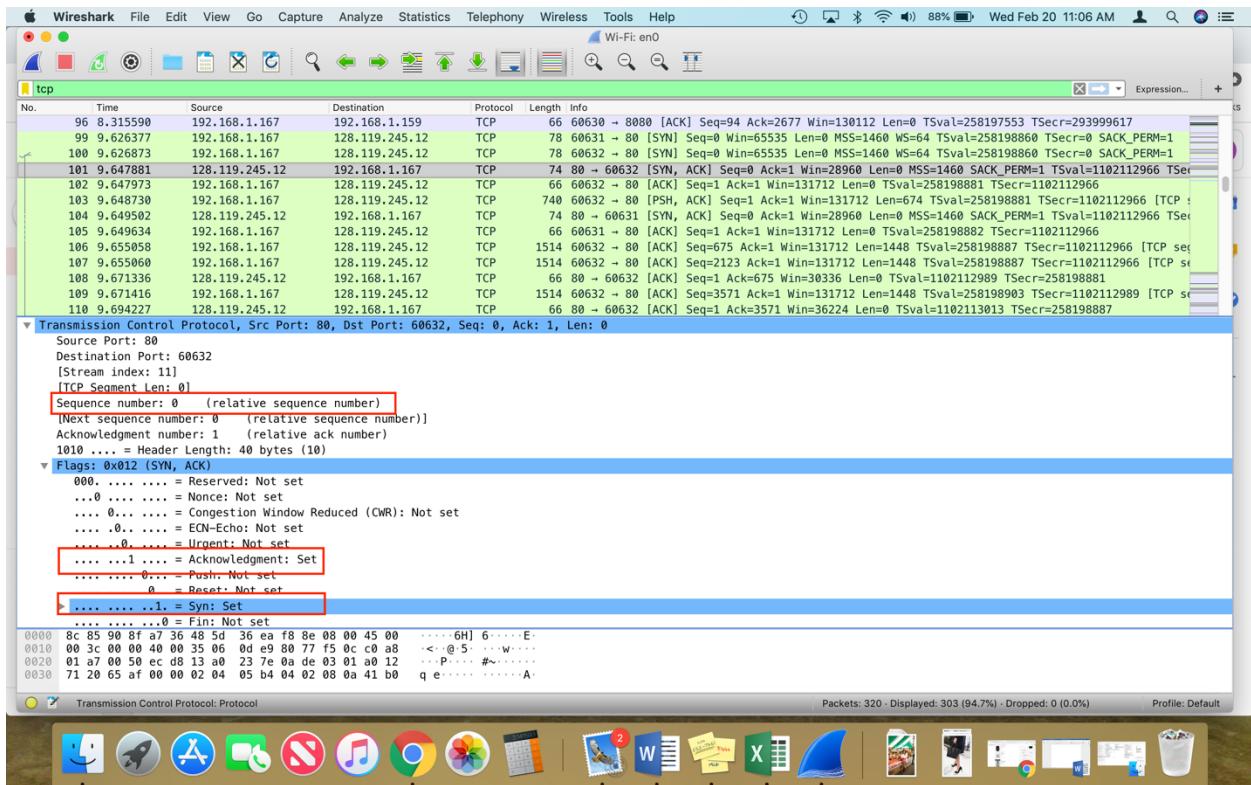
3. What is the sequence number of the TCP SYN segment that is used to initiate the TCP connection between your computer and gaia.cs.umass.edu? What is it in the segment that identifies the segment as a SYN segment?

The sequence number is 0. The way to tell is if the flags are set; in this case the SYN flag is set.



4. What is the sequence number of the SYNACK segment sent by gaia.cs.umass.edu to the client computer in reply to the SYN? - You must dig deep and find the ACK from gaia.cs.umass.edu.

The sequence number of the SYNACK segment is also 0.



5. What is the sequence number of the TCP segment containing the HTTP POST command? Note: that to find the POST command, you'll need to dig into the packet content field at the bottom of the Wireshark window, looking for a segment with a "POST" within its DATA field.

The sequence number containing the HTTP POST command is 675.

