

Shouq Alamer
IT-520-LAB2
Feb 10 2019



A screenshot of a Mac OS X desktop showing a terminal window titled "shougalamer - bash - 123x51". The terminal displays the output of the "ifconfig" command. The output shows various network interfaces: lo0, fe00::1%lo0, gif0, stf0, en0, en1, bridge0, p2p0, and awd0. The "inet6 fe00::1%lo0" interface has a highlighted IP address of 192.168.0.74. The "inet6 fe00::1%lo0" interface also has a highlighted broadcast address of 192.168.0.255.

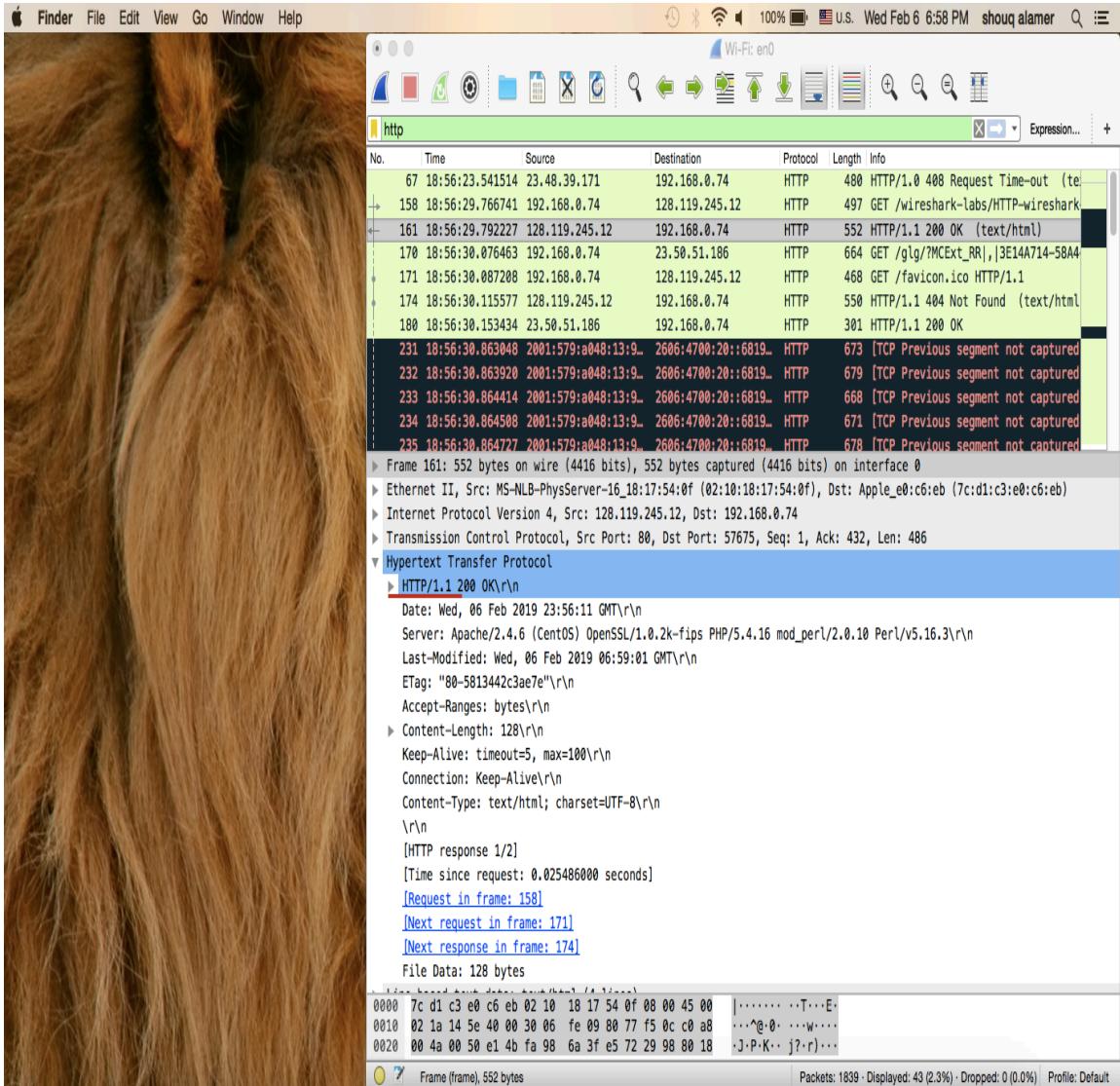
```
Last login: Wed Feb  6 18:46:53 on ttys000
MacBook-Air-alkhas-b-shoug:~ shougalamer$ ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
    options=3<RXCSUM,TXCSUM>
    inet6 ::1 prefixlen 128
        inet 127.0.0.1 netmask 0xff000000
    inet6 fe00::1%lo0 prefixlen 64 scopeid 0x1
        nd6 options=1<PERFORMNUD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 7c:d1:c3:e0:c6:eb
    inet6 fe00::7ed1:c3ff:fee0:c6eb%en0 prefixlen 64 scopeid 0x4
    inet 192.168.0.74 netmask 0xffffffff broadcast 192.168.0.255
    inet6 2001:579:a048:13:7ed1:c3ff:fee0:c6eb prefixlen 64 autoconf
    inet6 2001:579:a048:13:997:5717:6c1f:ec10 prefixlen 64 autoconf temporary
    inet6 2001:579:a048:13:a2f5 prefixlen 64 dynamic
        nd6 options=1<PERFORMNUD>
    media: autoselect
    status: active
en1: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=60<TS04,TS06>
    ether 32:00:11:60:a7:40
    media: autoselect <full-duplex>
    status: inactive
bridge0: flags=8083<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=63<RXCSUM,TXCSUM,TS04,TS06>
    ether 7e:d1:c3:0e:07:00
    Configuration:
        id 0:0:0:0:0:0 priority 0 hellodelay 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 5 priority 0 path cost 0
        nd6 options=1<PERFORMNUD>
    media: <unknown type>
    status: inactive
p2p0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 2304
    ether 0e:d1:c3:e0:c6:eb
    media: autoselect
    status: inactive
awd0: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1452
    ether 02:21:fe:14:99:a0
    inet6 fe00::802f:feff:fe14:99a0%awd0 prefixlen 64 scopeid 0x8
        nd6 options=1<PERFORMNUD>
    media: autoselect
    status: active
MacBook-Air-alkhas-b-shoug:~ shougalamer$
```

/var/folders/2p/1gs3fhtn08ncf7wj3dnnprn00000gn/T//wireshark_en0_20190206185619_OlTCar.pcapng 1839 total packets, 43 shown

No.	Time	Source	Destination	Protocol	Length	Info
161	18:56:29.792227	128.119.245.12	192.168.0.74	HTTP	552	HTTP/1.1 200 OK (text/html) Frame 161: 552 bytes on wire (4416 bits), 552 bytes captured (4416 bits) on interface 0 Ethernet II, Src: MS-NLB-PhysServer-16_18:17:54:0f (02:10:18:17:54:0f), Dst: Apple_e0:c6:eb (7c:d1:c3:e0:c6:eb) Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.0.74 Transmission Control Protocol, Src Port: 80, Dst Port: 57675, Seq: 1, Ack: 432, Len: 486 Hypertext Transfer Protocol HTTP/1.1 200 OK\r\n [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n] Response Version: HTTP/1.1 Status Code: 200 [Status Code Description: OK] Response Phrase: OK Date: Wed, 06 Feb 2019 23:56:11 GMT\r\n Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n Last-Modified: Wed, 06 Feb 2019 06:59:01 GMT\r\n ETag: "80-5813442c3ae7e"\r\n Accept-Ranges: bytes\r\n Content-Length: 128\r\n Keep-Alive: timeout=5, max=100\r\n Connection: Keep-Alive\r\n Content-Type: text/html; charset=UTF-8\r\n\r\n [HTTP response 1/2] [Time since request: 0.025486000 seconds] [Request in frame: 158] [Next request in frame: 171] [Next response in frame: 174] File Data: 128 bytes Line-based text data: text/html (4 lines)

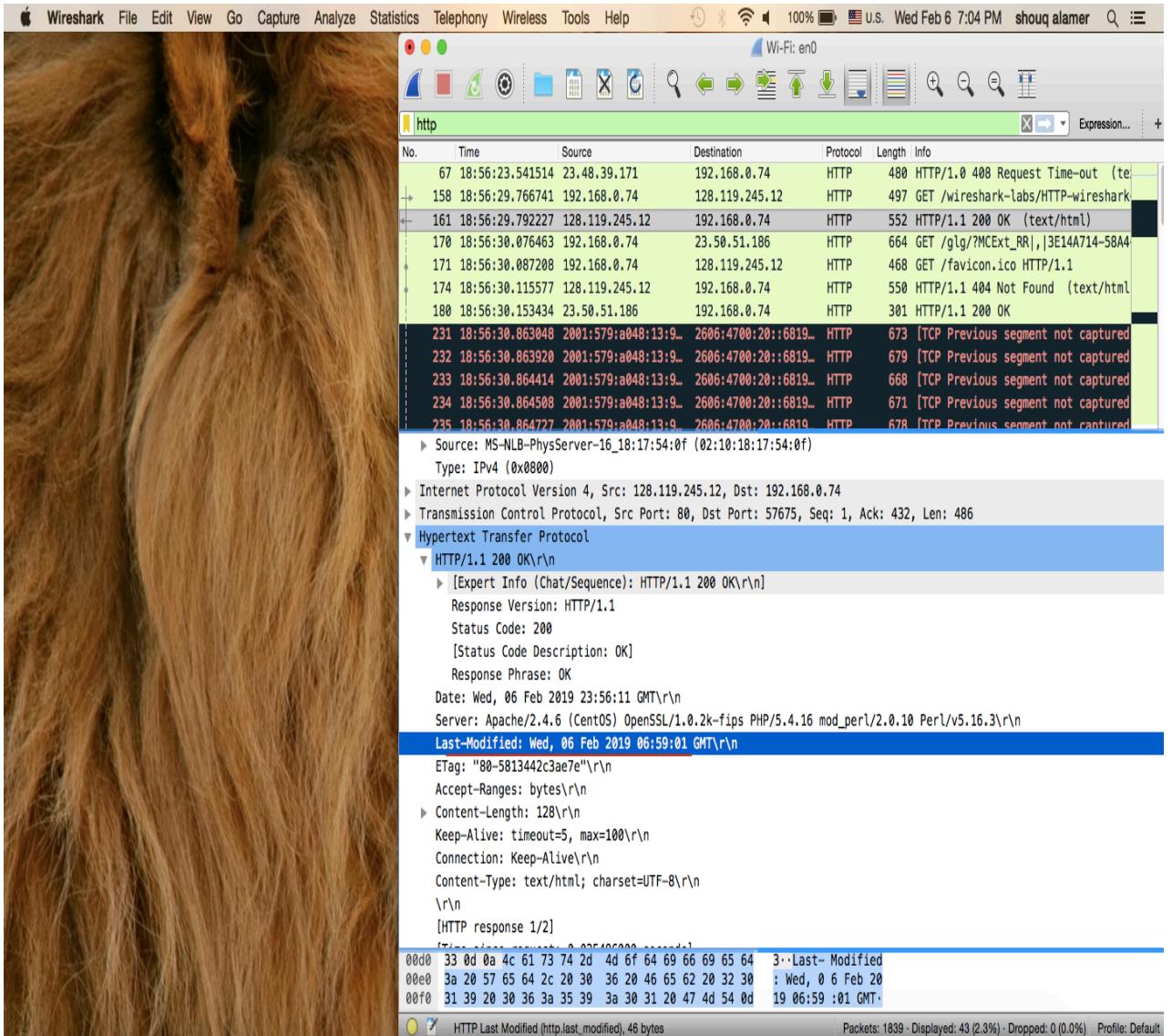
Questions:

1. Is your browser running HTTP version 1.0 or 1.1?
HTTP 1.1



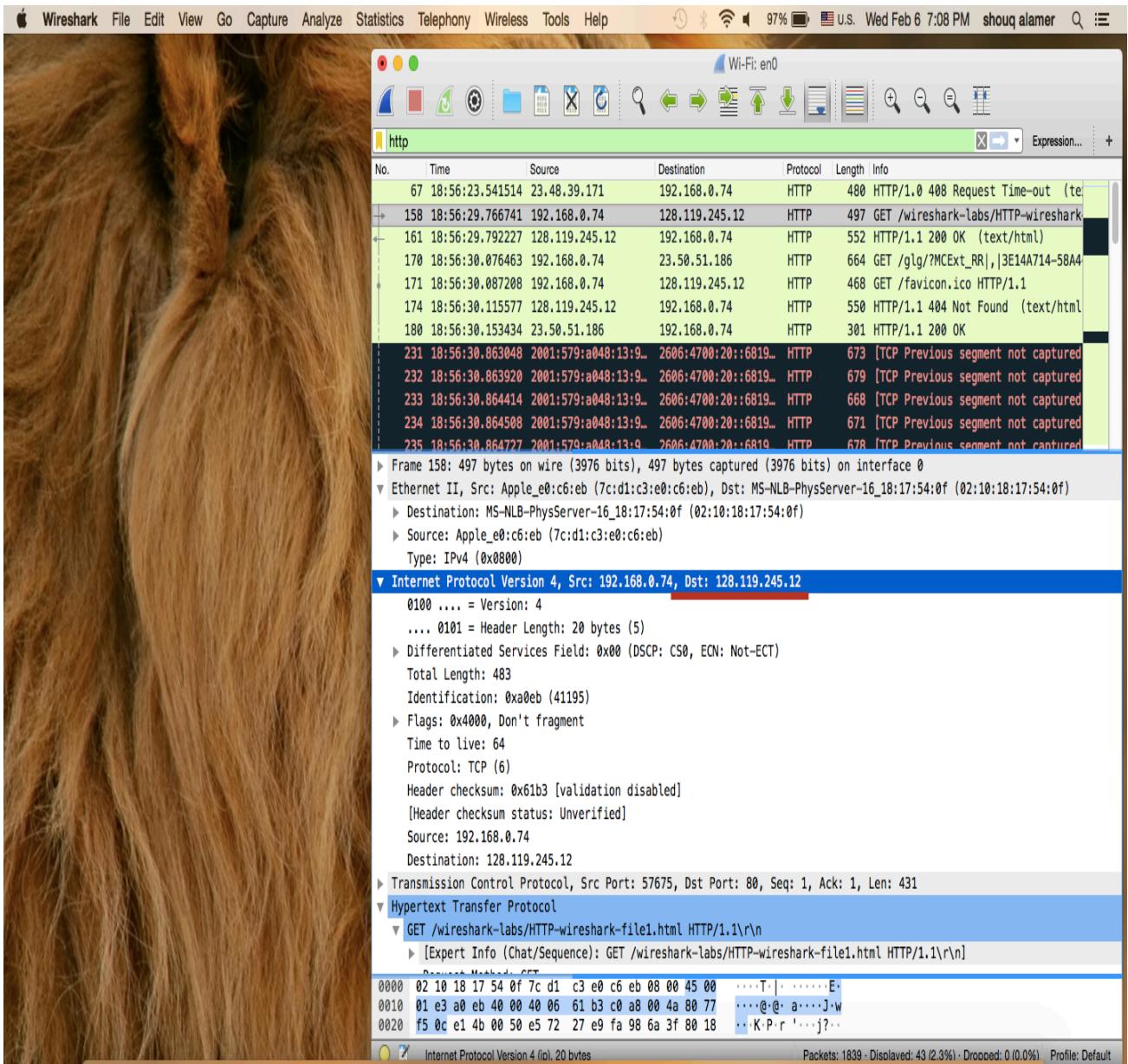
2. When was the HTML file that you are retrieving last modified at the server?

Last modified: Wed, 06 Feb 2019 06:59:01 GMT



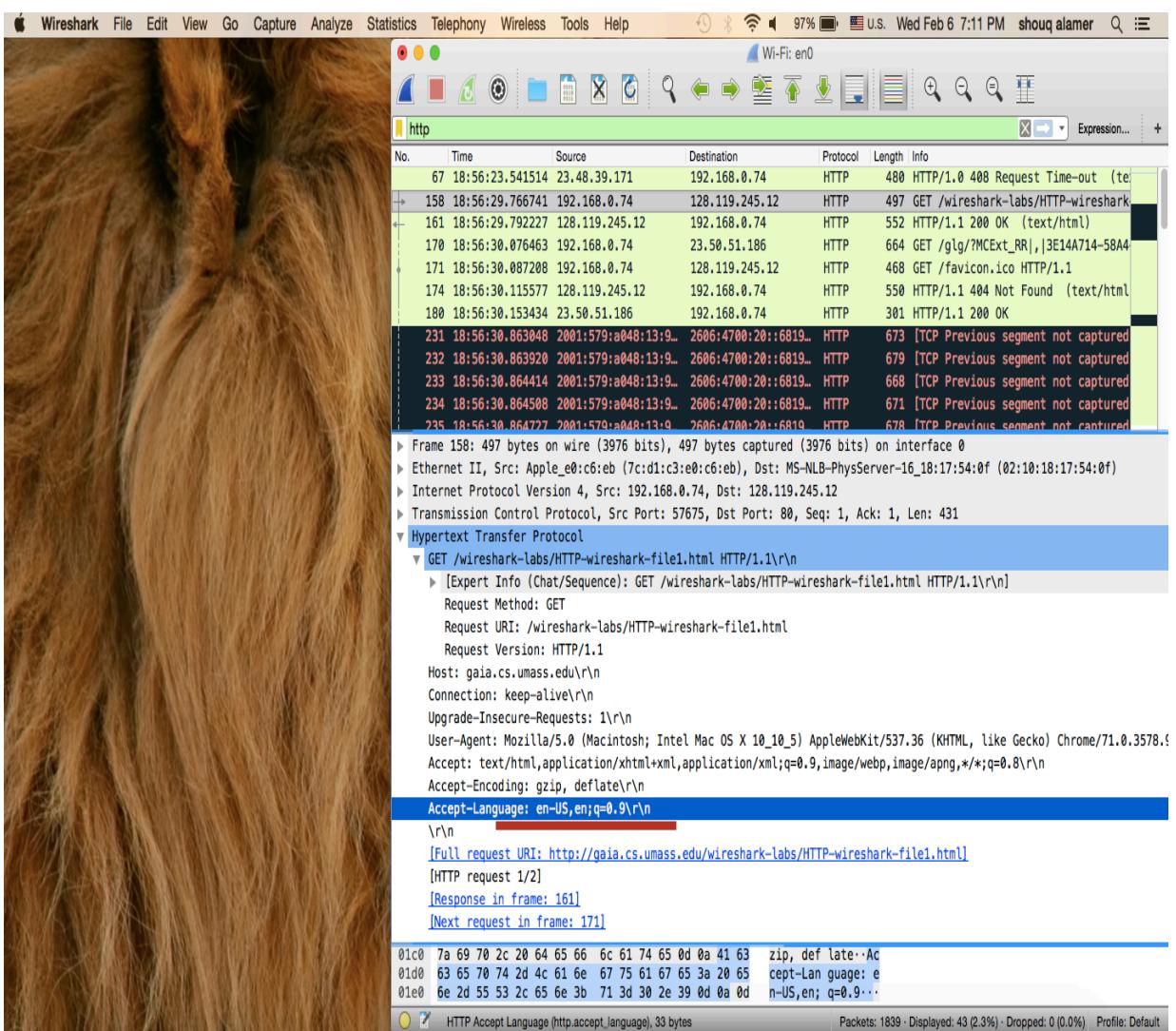
3. What is the IP address of the gaia.cs.umass.edu server?

128.119.245.12



4. What languages does your browser indicate that it can accept to the server?

Accept-Language: en-us , en ; q=0.9



5. When was the HTML file that you are retrieving created at the server?

I CAN NOT FIND THE ANSWER THE BEST GUESS IS LAST MODIFIED DATE

