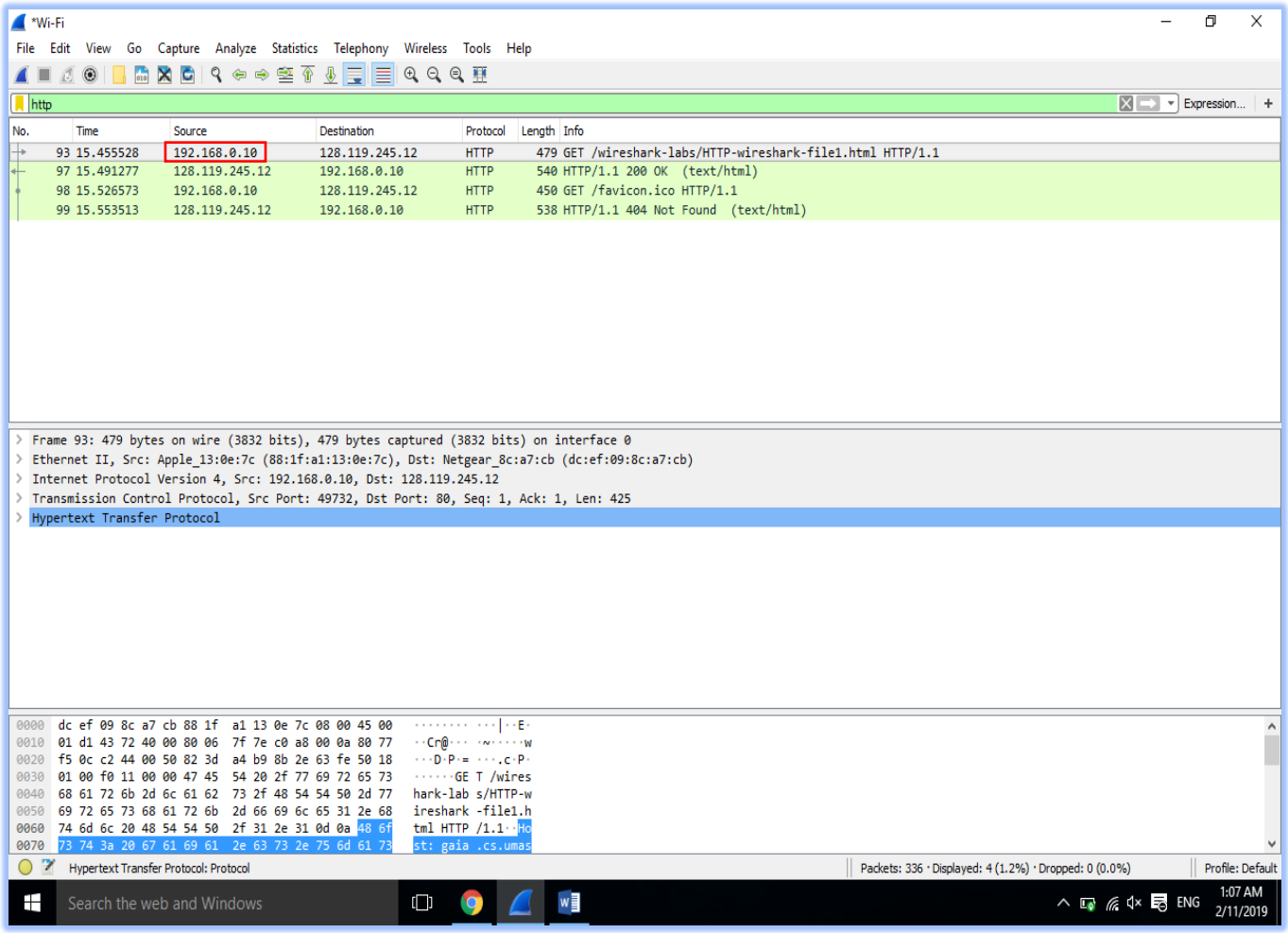
Abdullah Alrfeedi

IT-520

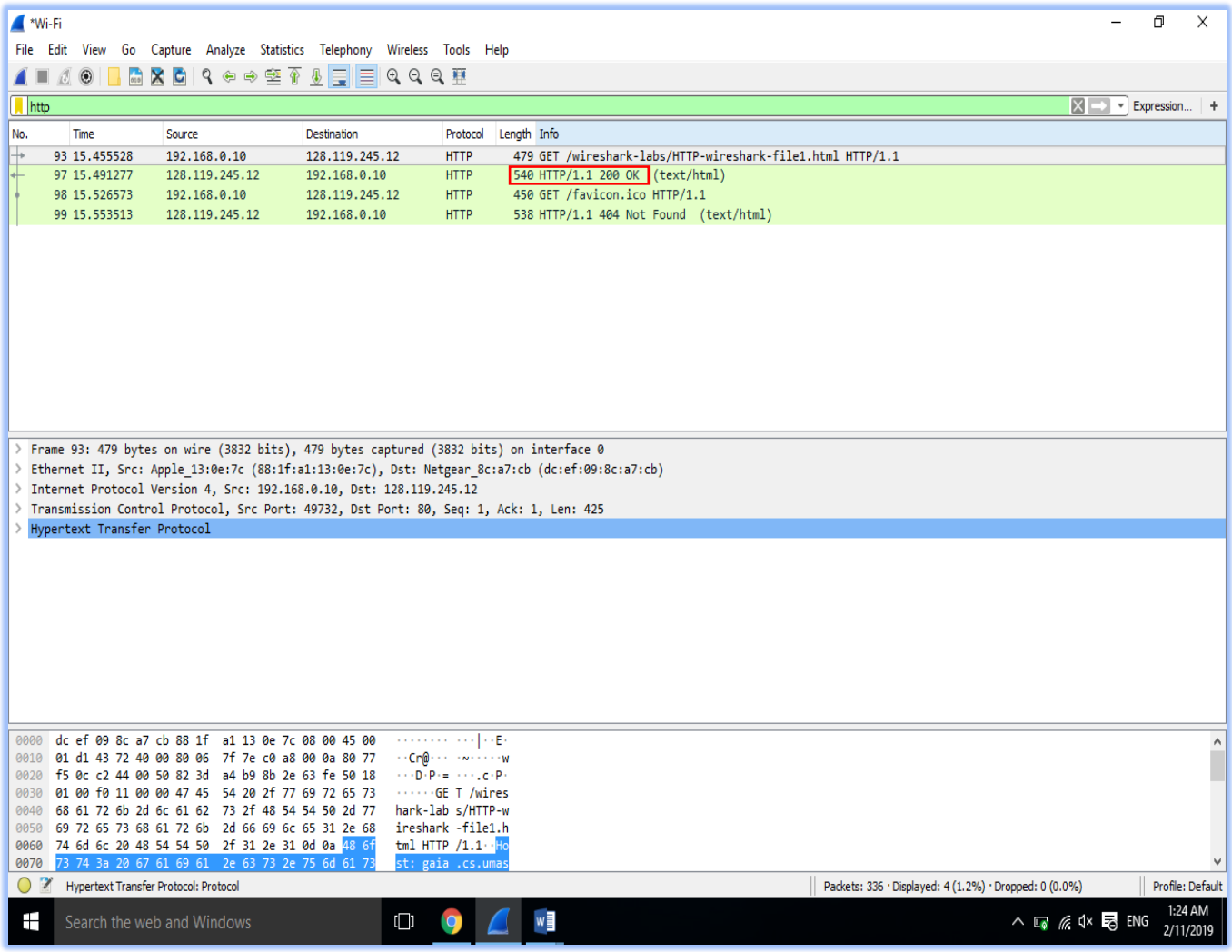
Lab #2

**The IP address is (192.168.0.10).**



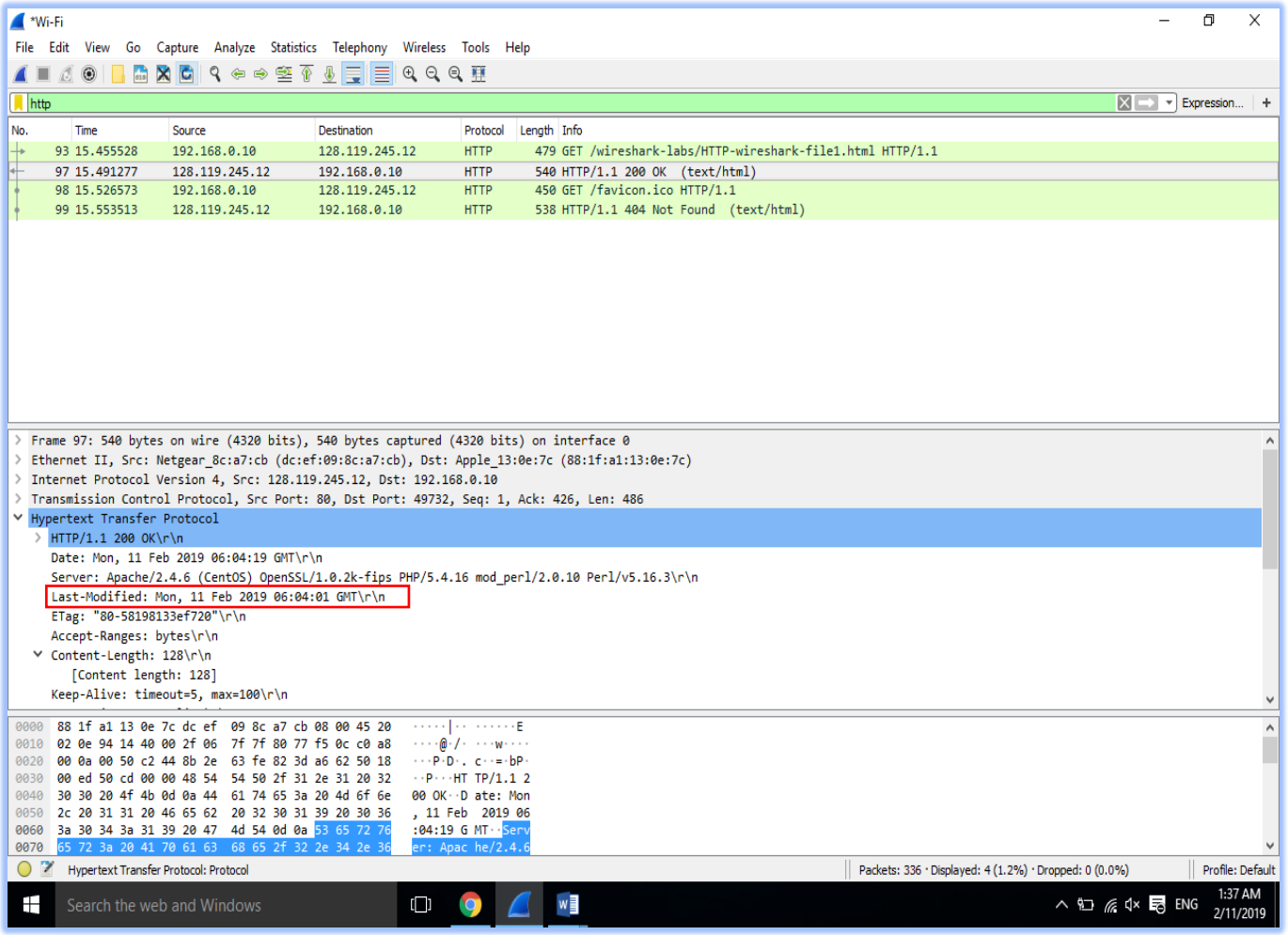
1) **Is your browser running HTTP version 1.0 or 1.1?**

**HTTP version 1.1**



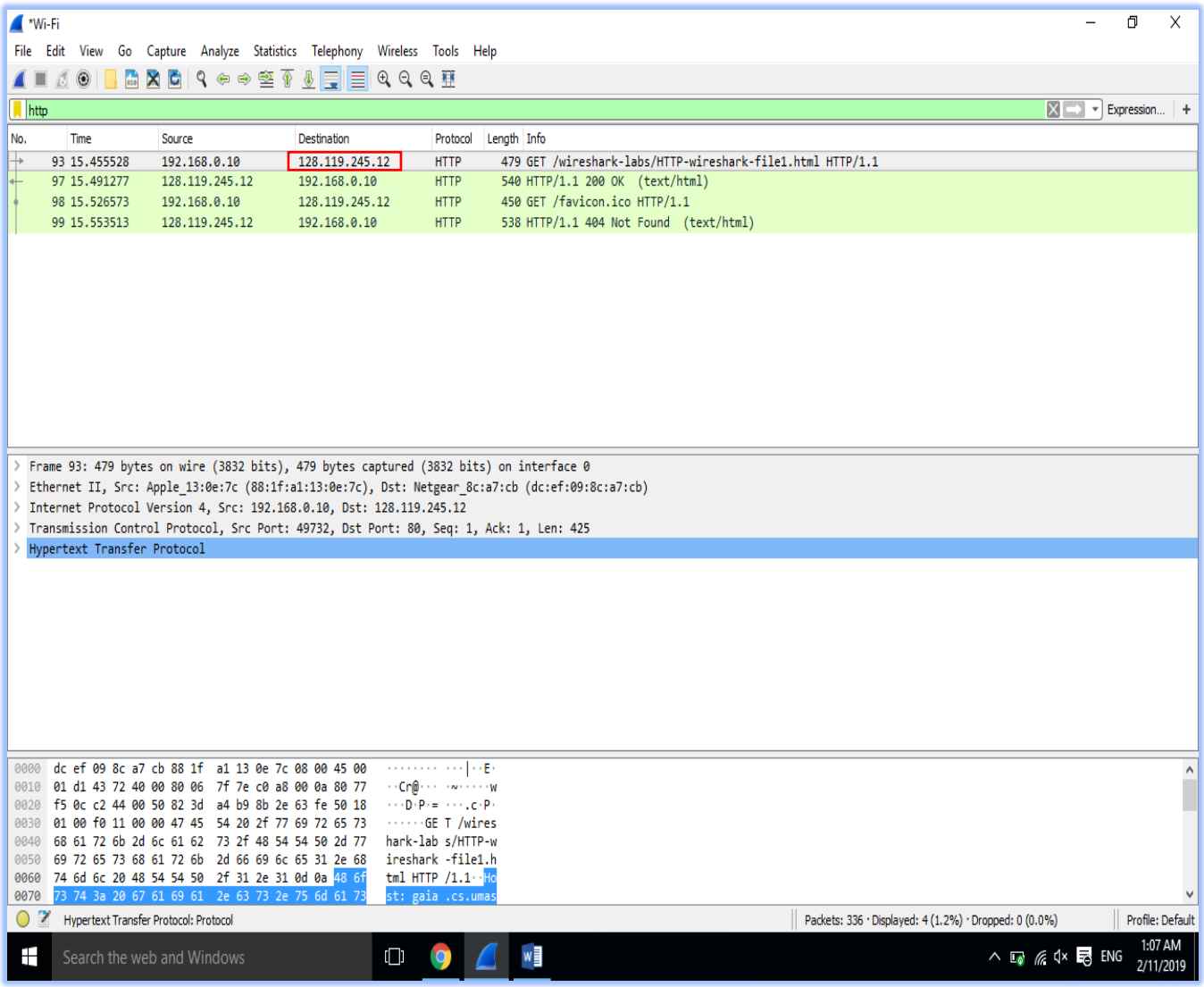
**2) When was the HTML file that you are retrieving last modified at the server?**

**Mon, 11 Feb 2019 06:04:01 GMT**



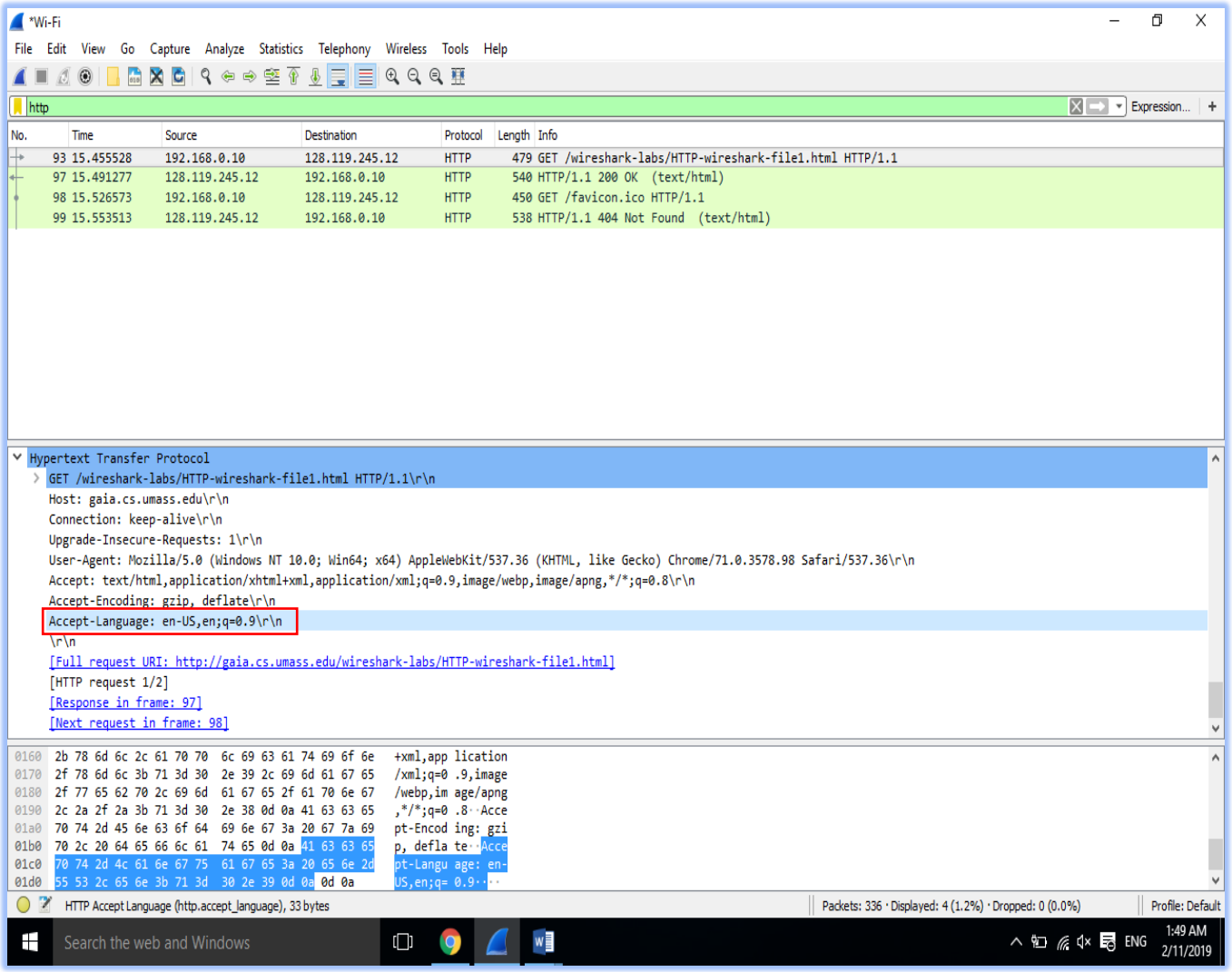
**3) What is the IP address of the gaia.cs.umass.edu server?**

**128.119.245.12**



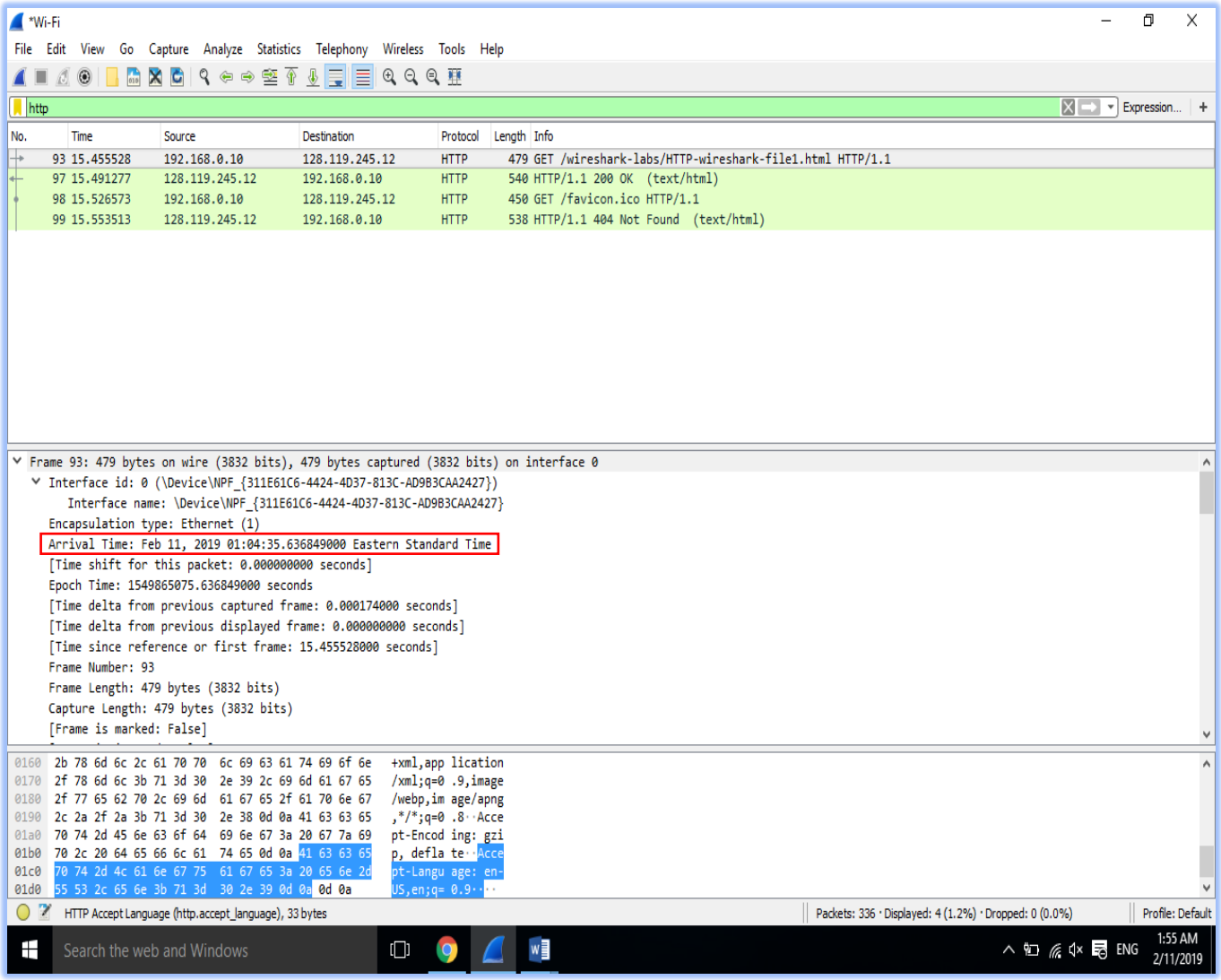
**4) What languages does your browser indicate that it can accept to the server?**

**English-US Language.**



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

**Arrival Time: Feb 11, 2019 01:04:35 Eastern Slandered Time.**



**(A full print of the HTTP OK message)**

```
No.     Time           Source                Destination           Protocol Length Info
     97 15.491277      128.119.245.12        192.168.0.10          HTTP     540    HTTP/1.1 200 OK  (text/html)
Frame 97: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0
    Interface id: 0 (\Device\NPF_{311E61C6-4424-4D37-813C-AD9B3CAA2427})
        Interface name: \Device\NPF_{311E61C6-4424-4D37-813C-AD9B3CAA2427}
    Encapsulation type: Ethernet (1)
    Arrival Time: Feb 11, 2019 01:04:35.672598000 Eastern Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1549865075.672598000 seconds
    [Time delta from previous captured frame: 0.006432000 seconds]
    [Time delta from previous displayed frame: 0.035749000 seconds]
    [Time since reference or first frame: 15.491277000 seconds]
    Frame Number: 97
    Frame Length: 540 bytes (4320 bits)
    Capture Length: 540 bytes (4320 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: Netgear_8c:a7:cb (dc:ef:09:8c:a7:cb), Dst: Apple_13:0e:7c (88:1f:a1:13:0e:7c)
    Destination: Apple_13:0e:7c (88:1f:a1:13:0e:7c)
        Address: Apple_13:0e:7c (88:1f:a1:13:0e:7c)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: Netgear_8c:a7:cb (dc:ef:09:8c:a7:cb)
        Address: Netgear_8c:a7:cb (dc:ef:09:8c:a7:cb)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.0.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x20 (DSCP: CS1, ECN: Not-ECT)
        0010 00.. = Differentiated Services Codepoint: Class Selector 1 (8)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 526
    Identification: 0x9414 (37908)
    Flags: 0x4000, Don't fragment
        0... .... .... .... = Reserved bit: Not set
        .1.. .... .... .... = Don't fragment: Set
        ..0. .... .... .... = More fragments: Not set
        ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 47
    Protocol: TCP (6)
    Header checksum: 0x7f7f [validation disabled]
    [Header checksum status: Unverified]
    Source: 128.119.245.12
```

```
    [Stream index: 4]
    [TCP Segment Len: 486]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 487    (relative sequence number)]
    Acknowledgment number: 426    (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Nonce: Not set
        .... 0... .... = Congestion Window Reduced (CWR): Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·······AP···]
    Window size value: 237
    [Calculated window size: 60672]
    [Window size scaling factor: 256]
    Checksum: 0x50cd [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    [SEQ/ACK analysis]
        [iRTT: 0.027595000 seconds]
        [Bytes in flight: 486]
        [Bytes sent since last PSH flag: 486]
```

```
    [Timestamps]
        [Time since first frame in this TCP stream: 0.063518000 seconds]
        [Time since previous frame in this TCP stream: 0.006432000 seconds]
    TCP payload (486 bytes)
Hypertext Transfer Protocol
Line-based text data: text/html (4 lines)
    <html>\n
    Congratulations.  You've downloaded the file \n
    http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html!\n
    </html>\n
```