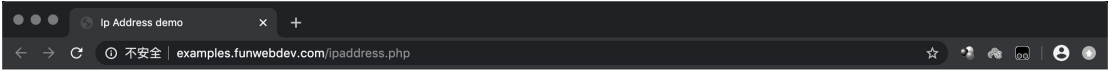


Part One

```
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 4c:32:75:8a:79:83
    inet6 fe80::c04:abc4:2ff9:37d%en0 prefixlen 64 secured scopeid 0x5
    inet 192.168.3.24 netmask 0xffffffff0 broadcast 192.168.3.255
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active

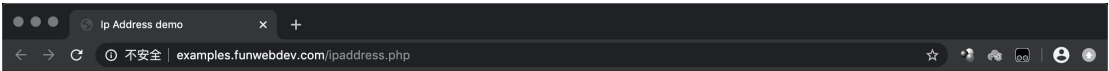
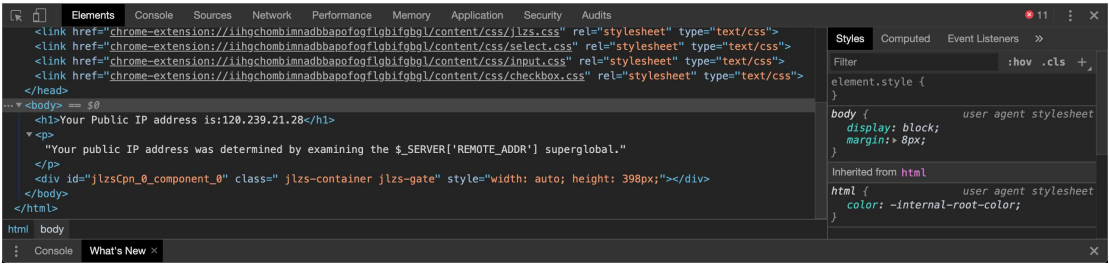
awd10: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1484
    ether 4a:43:26:63:7f:00
    inet6 fe80::4843:26ff:fe63:7f00%awd10 prefixlen 64 scopeid 0x7
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
```

Part Two



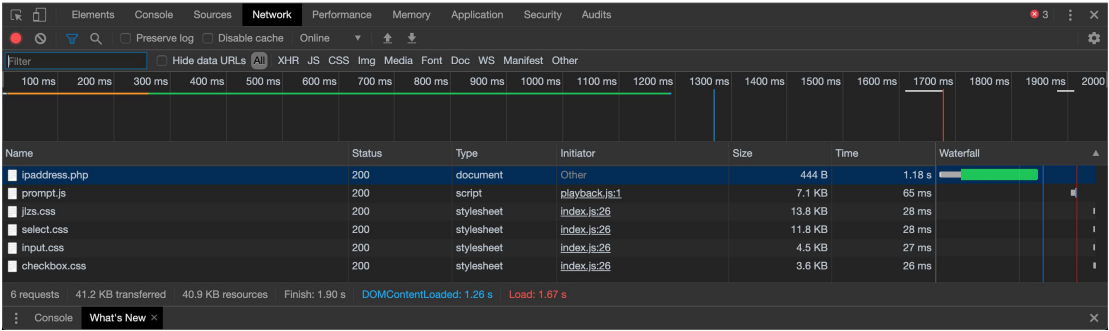
Your Public IP address is:120.239.21.28

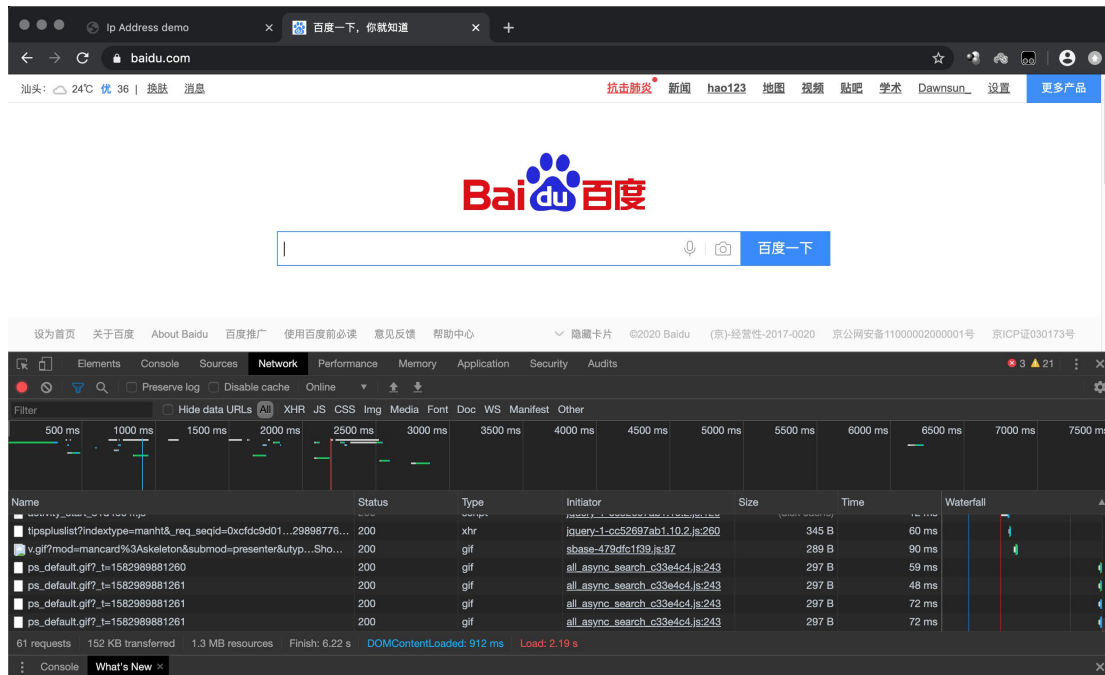
Your public IP address was determined by examining the \$_SERVER['REMOTE_ADDR'] superglobal.



Your Public IP address is:120.239.21.28

Your public IP address was determined by examining the \$_SERVER['REMOTE_ADDR'] superglobal.





Part Three

```
DawnsundeMacBook-Pro:~ dawnsun$ nslookup -type=A baidu.com
Server:          192.168.3.1
Address:         192.168.3.1#53
```

```
Non-authoritative answer:
Name:   baidu.com
Address: 39.156.69.79
Name:   baidu.com
Address: 220.181.38.148
```

```
DawnsundeMacBook-Pro:~ dawnsun$ nslookup -type=ns baidu.com
Server:          192.168.3.1
Address:         192.168.3.1#53
```

```
Non-authoritative answer:
baidu.com      nameserver = dns.baidu.com.
baidu.com      nameserver = ns7.baidu.com.
baidu.com      nameserver = ns4.baidu.com.
baidu.com      nameserver = ns2.baidu.com.
baidu.com      nameserver = ns3.baidu.com.
```

```
Authoritative answers can be found from:
ns3.baidu.com  internet address = 112.80.248.64
dns.baidu.com  internet address = 202.108.22.220
ns4.baidu.com  internet address = 14.215.178.80
ns2.baidu.com  internet address = 220.181.33.31
ns7.baidu.com  internet address = 180.76.76.92
```

```
DawnsundeMacBook-Pro:~ dawnsun$ nslookup baidu.com ns3.baidu.com
Server:      ns3.baidu.com
Address:     112.80.248.64#53
```

Non-authoritative answer:

```
Name:   baidu.com
Address: 39.156.69.79
Name:   baidu.com
Address: 220.181.38.148
```

```
DawnsundeMacBook-Pro:~ dawnsun$ nslookup 114.114.114.114
Server:      192.168.3.1
Address:     192.168.3.1#53
```

Non-authoritative answer:

```
114.114.114.114.in-addr.arpa      name = public1.114dns.com.
```

Authoritative answers can be found from:

Part Four

```
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36
```

Part Five

```
DawnsundeMacBook-Pro:~ dawnsun$ traceroute microsoft.com
traceroute: Warning: microsoft.com has multiple addresses; using 40.76.4.15
traceroute to microsoft.com (40.76.4.15), 64 hops max, 52 byte packets
 1  192.168.3.1 (192.168.3.1)  2.510 ms  3.072 ms  1.437 ms
 2  192.168.1.1 (192.168.1.1)  1.513 ms  1.800 ms  2.273 ms
 3  172.30.0.1 (172.30.0.1)  11.303 ms  3.863 ms  3.473 ms
 4  * * *
 5  211.136.251.29 (211.136.251.29)  13.522 ms
    120.196.244.33 (120.196.244.33)  13.145 ms
    211.136.251.213 (211.136.251.213)  12.611 ms
 6  221.183.38.141 (221.183.38.141)  19.083 ms
    221.183.18.217 (221.183.18.217)  17.979 ms
    221.183.38.141 (221.183.38.141)  18.177 ms
 7  221.176.24.158 (221.176.24.158)  11.330 ms
    221.176.22.234 (221.176.22.234)  47.062 ms  14.475 ms
 8  221.176.24.58 (221.176.24.58)  49.237 ms * *
 9  221.183.30.142 (221.183.30.142)  58.385 ms
    221.183.21.2 (221.183.21.2)  65.771 ms
    221.183.30.142 (221.183.30.142)  56.472 ms
10  223.118.2.214 (223.118.2.214)  54.873 ms  55.939 ms  55.615 ms
11  223.119.0.174 (223.119.0.174)  25.725 ms * 24.543 ms
12  * * ae24-0.icr01.hkg20.ntwk.msn.net (104.44.237.201)  21.037 ms
13  * be-120-0.ibr02.hkg31.ntwk.msn.net (104.44.11.141)  422.623 ms *
14  * be-10-0.ibr02.tyo79.ntwk.msn.net (104.44.17.192)  280.482 ms
    be-11-0.ibr01.tyo79.ntwk.msn.net (104.44.17.134)  341.894 ms
15  be-10-0.ibr02.tyo79.ntwk.msn.net (104.44.17.192)  286.521 ms *
    be-6-0.ibr02.tyo30.ntwk.msn.net (104.44.17.183)  303.396 ms
16  * be-7-0.ibr01.lax30.ntwk.msn.net (104.44.18.41)  349.876 ms
    be-6-0.ibr02.tyo30.ntwk.msn.net (104.44.17.183)  326.180 ms
17  be-9-0.ibr02.lax30.ntwk.msn.net (104.44.18.43)  307.077 ms
    be-8-0.ibr02.sn1.ntwk.msn.net (104.44.17.74)  366.614 ms
    be-9-0.ibr02.lax30.ntwk.msn.net (104.44.18.43)  330.714 ms
18  be-8-0.ibr02.sn1.ntwk.msn.net (104.44.17.74)  307.428 ms
    be-3-0.ibr02.atl30.ntwk.msn.net (104.44.19.114)  305.284 ms
    be-8-0.ibr02.sn1.ntwk.msn.net (104.44.17.74)  316.226 ms
19  * be-6-0.ibr02.bn6.ntwk.msn.net (104.44.17.232)  323.551 ms
    be-3-0.ibr02.atl30.ntwk.msn.net (104.44.19.114)  306.781 ms
20  * * be-2-0.ibr03.bl20.ntwk.msn.net (104.44.19.5)  306.952 ms
21  be-2-0.ibr04.bl20.ntwk.msn.net (104.44.19.153)  345.120 ms *
    ae142-0.icr02.bl20.ntwk.msn.net (104.44.21.224)  321.177 ms
22  * * *
23  * * *
```

```
DawnsundeMacBook-Pro:~ dawnsun$ whois tencent.com
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

refer:      whois.verisign-grs.com

domain:     COM

organisation: VeriSign Global Registry Services
address:    12061 Bluemont Way
address:    Reston Virginia 20190
address:    United States

contact:    administrative
name:       Registry Customer Service
organisation: VeriSign Global Registry Services
address:    12061 Bluemont Way
address:    Reston Virginia 20190
address:    United States
phone:      +1 703 925-6999
fax-no:     +1 703 948 3978
e-mail:     info@verisign-grs.com

contact:    technical
name:       Registry Customer Service
organisation: VeriSign Global Registry Services
address:    12061 Bluemont Way
address:    Reston Virginia 20190
address:    United States
phone:      +1 703 925-6999
fax-no:     +1 703 948 3978
e-mail:     info@verisign-grs.com

nserver:    A.GTLD-SERVERS.NET 192.5.6.30 2001:503:a83e:0:0:0:2:30
nserver:    B.GTLD-SERVERS.NET 192.33.14.30 2001:503:231d:0:0:0:2:30
nserver:    C.GTLD-SERVERS.NET 192.26.92.30 2001:503:83eb:0:0:0:0:30
nserver:    D.GTLD-SERVERS.NET 192.31.80.30 2001:500:856e:0:0:0:0:30
nserver:    E.GTLD-SERVERS.NET 192.12.94.30 2001:502:1ca1:0:0:0:0:30
nserver:    F.GTLD-SERVERS.NET 192.35.51.30 2001:503:d414:0:0:0:0:30
nserver:    G.GTLD-SERVERS.NET 192.42.93.30 2001:503:eea3:0:0:0:0:30
nserver:    H.GTLD-SERVERS.NET 192.54.112.30 2001:502:8cc:0:0:0:0:30
nserver:    I.GTLD-SERVERS.NET 192.43.172.30 2001:503:39c1:0:0:0:0:30
nserver:    J.GTLD-SERVERS.NET 192.48.79.30 2001:502:7094:0:0:0:0:30
nserver:    K.GTLD-SERVERS.NET 192.52.178.30 2001:503:d2d:0:0:0:0:30
nserver:    L.GTLD-SERVERS.NET 192.41.162.30 2001:500:d937:0:0:0:0:30
nserver:    M.GTLD-SERVERS.NET 192.55.83.30 2001:501:b1f9:0:0:0:0:30
ds-rdata:   30909 8 2 E2D3C916F6DEEAC73294E8268FB5885044A833FC5459588F4A9184CFC41A5766

whois:      whois.verisign-grs.com
```