

lab0

1.IP地址

无线局域网适配器 WLAN:

```
连接特定的 DNS 后缀 . . . . . : fudan.edu.cn
本地链接 IPv6 地址. . . . . : fe80::e924:fd74:c8f9:5024%2
IPv4 地址 . . . . . : 10.219.136.233
子网掩码 . . . . . : 255.255.192.0
默认网关. . . . . : 10.219.128.1
```

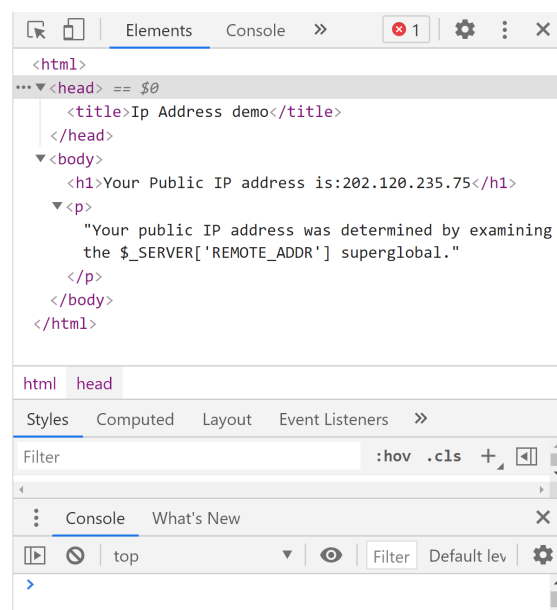
Your Public IP address is:202.120.235.75

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

2.分析一个网页的组成部分

Your Public IP address is:202.120.235.75

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



3.域名服务器

1. 查询 baidu.com 的 A 地址记录截图;

```
C:\Users\86199>nslookup -qt=A baidu.com
服务器:  ns.fudan.edu.cn
Address:  202.120.224.26

非权威应答:
名称:     baidu.com
Addresses: 39.156.69.79
           220.181.38.148
```

2. 查询 baidu.com 的 域名服务器截图;

```
C:\Users\86199>nslookup -qt=ns baidu.com
服务器:  ns.fudan.edu.cn
Address:  202.120.224.26

非权威应答:
baidu.com      nameserver = ns3.baidu.com
baidu.com      nameserver = ns4.baidu.com
baidu.com      nameserver = ns7.baidu.com
baidu.com      nameserver = dns.baidu.com
baidu.com      nameserver = ns2.baidu.com
```

3. 使用授权服务器查询 baidu.com 的 IP 地址的截图;

```
服务器:  UnKnown
Address:  220.181.33.31

名称:     baidu.com
Addresses: 39.156.69.79
           220.181.38.148
```

4. 查询 114.114.114.114 匹配的主机名的截图。

```
C:\Users\86199>nslookup 114.114.114.114
服务器: ns-cx1.online.sh.cn
Address: 116.228.111.18

名称: public1.114dns.com
Address: 114.114.114.114
```

4. 观察http标头

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4324.190 Safari/537.36

5. 追踪数据包

1. 跟踪一个从你的计算机发往 microsoft.com 的数据包，并截图。

```
C:\Users\86199>tracert microsoft.com

通过最多 30 个跃点跟踪
到 microsoft.com [40.76.4.15] 的路由:

 1      *          *          *          请求超时。
 2    22 ms      3 ms      4 ms      10.250.1.210
 3      *          *          *          请求超时。
 4     7 ms      4 ms      5 ms      10.255.19.1
 5    20 ms     12 ms     12 ms     10.255.249.45
 6    45 ms     16 ms     11 ms     10.255.38.250
 7      *          *          *          请求超时。
 8    20 ms     18 ms     16 ms     101.4.115.105
 9    36 ms     33 ms     31 ms     101.4.117.30
10    29 ms     28 ms     31 ms     101.4.116.118
11   115 ms     52 ms      *        101.4.112.69
12    38 ms     31 ms     49 ms     101.4.113.110
13    36 ms     33 ms     34 ms     101.4.116.78
14   101 ms     60 ms     98 ms     101.4.117.98
15   187 ms    183 ms    184 ms     101.4.117.214
16   189 ms    185 ms    184 ms ix-xe-9-1-5-0.tcore1.lvw-losangeles.as6453.net [66.110.59.181]
17   196 ms    192 ms    200 ms if-ae-60-2.tcore1.svl-santaclara.as6453.net [63.243.250.54]
18   214 ms      *        191 ms if-ae-0-3.tcore2.svl-santaclara.as6453.net [63.243.250.61]
19   188 ms    191 ms    192 ms if-ae-7-2.tcore1.pdi-paloalto.as6453.net [209.58.86.74]
20   189 ms    194 ms    184 ms 66.198.127.161
21   200 ms    199 ms    198 ms ae25-0.icr02.by4.ntwk.msn.net [104.44.238.254]
22   252 ms    248 ms    249 ms be-142-0.ibr03.by4.ntwk.msn.net [104.44.22.149]
23   255 ms    252 ms    256 ms be-5-0.ibr01.lax30.ntwk.msn.net [104.44.17.69]
24   256 ms    248 ms    256 ms 104.44.7.42
25   245 ms    243 ms    247 ms 104.44.29.82
26   245 ms    240 ms    241 ms be-10-0.ibr01.atl30.ntwk.msn.net [104.44.18.220]
27   245 ms    241 ms    250 ms be-6-0.ibr01.bn6.ntwk.msn.net [104.44.17.230]
28   248 ms    241 ms    250 ms be-2-0.ibr03.bl20.ntwk.msn.net [104.44.19.5]
29   265 ms    291 ms    248 ms ae140-0.icr01.bl20.ntwk.msn.net [104.44.21.222]
30      *          *          *          请求超时。

跟踪完成。
```

2. 利用 whois 查询 tencent.com 的相关信息，并截图 (网页或命令行都需要所有相关信息)。

Domain Name: tencent.com
Registry Domain ID: 3216596_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: <http://www.markmonitor.com>
Updated Date: 2021-03-02T19:06:11-0800
Creation Date: 1998-09-13T21:00:00-0700
Registrar Registration Expiration Date: 2030-09-12T21:00:00-0700
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Reseller:
Domain Status: clientUpdateProhibited (<https://www.icann.org/epp#clientUpdateProhibited>)
Domain Status: clientTransferProhibited (<https://www.icann.org/epp#clientTransferProhibited>)
Domain Status: clientDeleteProhibited (<https://www.icann.org/epp#clientDeleteProhibited>)
Domain Status: serverUpdateProhibited (<https://www.icann.org/epp#serverUpdateProhibited>)
Domain Status: serverTransferProhibited (<https://www.icann.org/epp#serverTransferProhibited>)
Domain Status: serverDeleteProhibited (<https://www.icann.org/epp#serverDeleteProhibited>)
Registrant State/Province: Guang Dong
Registrant Country: CN
Name Server: ns1.qq.com
Name Server: ns2.qq.com
Name Server: ns3.qq.com
Name Server: ns4.qq.com
DNSSEC: unsigned
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895770
URL of the ICANN WHOIS Data Problem Reporting System: <http://wdprs.internic.net/>
>>>Last update of WHOIS database: 2021-03-05T06:43:47Z <<<

For more information on Whois status codes, please visit <https://icann.org/epp>