

许同樵 19302010015 lab0

1、你的 IP 地址 (IP address)

```
无线局域网适配器 WLAN:

    连接特定的 DNS 后缀 . . . . . : 
    本地链接 IPv6 地址. . . . . : fe80::3c59:e97:2f93:e26c%13
    IPv4 地址 . . . . . : 192.168.31.111
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : 192.168.31.1
```

2、分析一个网页的组成部分

Your Public IP address is:222.67.223.161

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

804px × 762px

Elements Console Sources Network Performance Memory Application

```
<html>
  <head>
    <title>Ip Address demo</title>
  </head>
  <body>
    <h1>Your Public IP address is:222.67.223.161</h1>
    <p>
      "Your public IP address was determined by examining the $_SERVER['REMOTE_ADDR']
      superglobal."
    </p>
  </body>
</html>
```

Styles

show .cls +
element.style

```
{
  user agent s...
  body {
    display: block;
    margin: 8px;
  }
  Inherited from ...
  user agent s...
  html {
    color: - internal-root-color;
  }
  padding: 8px;
  border: 1px solid #ccc;
  width: 768px;
  height: 768px;
}
```

3、域名服务器 (Name server)

(1) A 地址记录:

```
PS C:\Users\许同樵> nslookup www.baidu.com
服务器: XiaoQiang
Address: 192.168.31.1

非权威应答:
名称:    www.a.shifen.com
Addresses: 180.101.49.11
          180.101.49.12
Aliases:  www.baidu.com
```

(2) 域名服务器:

```
PS C:\Users\许同樵> nslookup -qt=ns baidu.com
服务器: XiaoQiang
Address: 192.168.31.1

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

(3) 使用授权服务器查询 baidu.com 的 IP 地址:

```

PS C:\Users\许同樵> nslookup baidu.com ns2.baidu.com
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:

```

PS C:\Users\许同樵> nslookup 114.114.114.114
服务器: XiaoQiang
Address: 192.168.31.1

名称: public1.114dns.com
Address: 114.114.114.114

```

4、观察 HTTP 标头 (HTTP headers)

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36

5、追踪数据包 (Tracing a packet)

(1) 跟踪一个从你的计算机发往 microsoft.com 的数据包

```

PS C:\Windows\system32> tracert microsoft.com

通过最多 30 个跃点跟踪
到 microsoft.com [40.112.72.205] 的路由:

  1  <1 毫秒  <1 毫秒  1 ms  XiaoQiang [192.168.31.1]
  2  2 ms     1 ms     1 ms  192.168.1.1
  3  3 ms     3 ms     4 ms  124.74.209.30
  4  4 ms     4 ms     4 ms  61.152.87.161
  5  5 ms     6 ms     6 ms  61.152.24.26
  6  *        19 ms    22 ms  202.97.94.237
  7  4 ms     3 ms     3 ms  202.97.33.126
  8  38 ms    *        39 ms  202.97.25.230
  9  32 ms    32 ms    *      203.215.232.174
 10  33 ms    33 ms    *      ae20-0.icr02.hkg20.ntwk.msn.net [104.44.237.203]
 11  *        *        *      请求超时。
 12  233 ms   235 ms   235 ms  be-4-0.ibr01.sg3.ntwk.msn.net [104.44.16.236]
 13  246 ms   245 ms   246 ms  be-1-0.ibr01.sg2.ntwk.msn.net [104.44.7.13]
 14  220 ms   219 ms   220 ms  be-14-0.ibr01.mrs20.ntwk.msn.net [104.44.17.67]
 15  *        252 ms   252 ms  be-3-0.ibr01.par30.ntwk.msn.net [104.44.7.47]
 16  *        250 ms   *      be-5-0.ibr01.lon22.ntwk.msn.net [104.44.17.77]
 17  217 ms   217 ms   216 ms  be-8-0.ibr01.dub07.ntwk.msn.net [104.44.17.84]
 18  *        240 ms   *      ae100-0.icr01.dub07.ntwk.msn.net [104.44.11.60]
 19  *        *        *      请求超时。
 20  *        *        *      请求超时。
 21  *        *        *      请求超时。
 22  *        *        *      请求超时。
 23  *        *        *      请求超时。
 24  *        *        *      请求超时。
 25  *        *        *      请求超时。
 26  *        *        *      请求超时。
 27  *        *        *      请求超时。
 28  *        *        *      请求超时。
 29  *        *        *      请求超时。
 30  *        *        *      请求超时。

```

(2) 查询 tencent.com 的相关信息

域名 **tencent.com** 的注册信息 ?

以下信息获取时间: 2020-02-22 00:38:49

[获取最新信息](#)

"tencent"还有**商标**可以注册, 为防止被他人占用, 建议立即注册进行保护! [>>注册商标](#)

所有者联系邮箱

Registrant E-mail

请联系当前域名注册商获取

[委托阿里云购买](#)

注册商

Sponsoring Registrar

MarkMonitor, Inc.

注册日期

Registration Date(UTC)

1998年09月14日

到期日期

Expiration Date(UTC)

2021年09月12日

2021年09月12日前, 域名可正常使用。请在2021年09月12日前及时续费延期。

域名状态
Domain Status

注册商设置禁止更新 (clientUpdateProhibited) ?
(<https://www.icann.org/epp#clientUpdateProhibited>)

注册商设置禁止转移 (clientTransferProhibited) ?
(<https://www.icann.org/epp#clientTransferProhibited>)

注册商设置禁止删除 (clientDeleteProhibited) ?
(<https://www.icann.org/epp#clientDeleteProhibited>)

注册局设置禁止更新 (serverUpdateProhibited) ?
(<https://www.icann.org/epp#serverUpdateProhibited>)

注册局设置禁止转移 (serverTransferProhibited) ?
(<https://www.icann.org/epp#serverTransferProhibited>)

注册局设置禁止删除 (serverDeleteProhibited) ?
(<https://www.icann.org/epp#serverDeleteProhibited>)

DNS服务器
Name Server

DNS1: ns2.qq.com
DNS2: ns3.qq.com
DNS3: ns1.qq.com
DNS4: ns4.qq.com

```
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: 2019-08-12T02:11:43-0700
Creation Date: 1998-09-13T21:00:00-0700
Registrar Registration Expiration Date: 2021-09-12T00:00:00-0700
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: ns2.qq.com
Name Server: ns3.qq.com
Name Server: ns1.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: 2020-02-22T15:29:04Z <<<
```

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