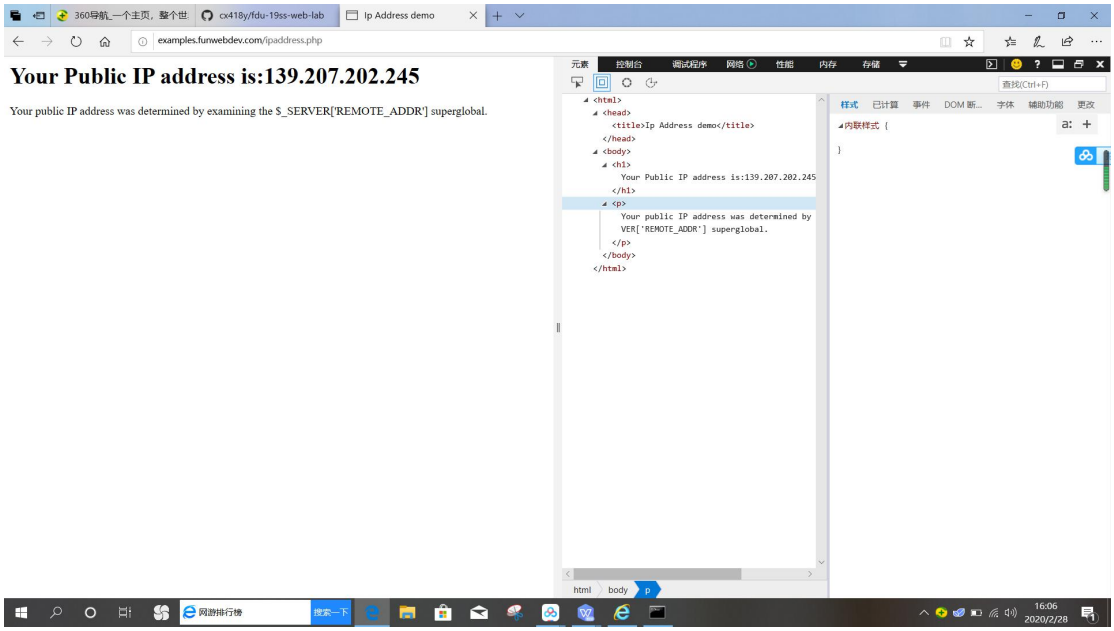
1. ip 地址

```
无线局域网适配器 WLAN 2:

   连接特定的 DNS 后缀 . . . . . :
   IPv6 地址 . . . . . . . . . . . . : 240e:d8:844:ee2:bd47:3fcc:f73a:ffe6
   临时 IPv6 地址. . . . . . . . . . : 240e:d8:844:ee2:192e:bcd9:6ae5:89ec
   本地链接 IPv6 地址. . . . . . . . : fe80::bd47:3fcc:f73a:ffe6%9
   IPv4 地址 . . . . . . . . . . . . : 192.168.43.140
   子网掩码 . . . . . . . . . . . . : 255.255.255.0
   默认网关. . . . . . . . . . . . . : fe80::de16:b2ff:feb7:adbe%9
                                       192.168.43.1
```

2.分析一个网页的组成



3.域名服务器

```
C:\Users\asus>nslookup baidu.com
服务器:  public-dns-b.dnspai.com
Address:  101.198.199.200

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

```
C:\Users\asus>nslookup  -qt=ns baidu.com
DNS request timed out.
    timeout was 2 seconds.
服务器:  UnKnown
Address:  39.156.69.79

DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
*** 请求 UnKnown 超时
```

```
C:\Users\asus>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
```

```
C:\Users\asus>nslookup 114.114.114.114
服务器:  public-dns-b.dnspai.com
Address:  101.198.199.200

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/70.0.3538.102 Safari/537.36 Edge/18.18362
```

5. 追踪数据包

```
PS C:\Users\asus\Desktop> tracert microsoft.com

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

  1     1 ms     1 ms     1 ms  192.168.0.1
  2     5 ms     2 ms     2 ms  192.168.1.1
  3    19 ms     5 ms    16 ms  100.100.0.1
  4    12 ms     8 ms     8 ms  221.182.68.69
  5     *        *        *     请求超时。
  6     *        *        *     请求超时。
  7     *        *       75 ms  117.139.171.73
  8     *       14 ms    11 ms  223.87.25.77
  9     *       11 ms    12 ms  223.87.26.49
 10    29 ms    12 ms    12 ms  221.183.19.45
 11    92 ms    55 ms    71 ms  221.176.18.181
 12    47 ms    48 ms    44 ms  221.176.24.158
 13     *       86 ms   119 ms  221.176.24.58
 14   161 ms     *       93 ms  221.183.21.6
 15     *        *       95 ms  223.118.3.89
 16   261 ms   259 ms    98 ms  223.119.0.174
 17   277 ms     *      186 ms  ae24-0.icr01.hkg20.ntwk.msn.net [104.44.237.201]
 18   404 ms   288 ms     *     be-100-0.ibr01.hkg20.ntwk.msn.net [104.44.11.135]
 19     *        *        *     请求超时。
 20   402 ms   397 ms   294 ms  be-11-0.ibr01.tyo79.ntwk.msn.net [104.44.17.134]
 21   394 ms   288 ms   316 ms  be-5-0.ibr01.tyo30.ntwk.msn.net [104.44.17.191]
 22   285 ms   324 ms   284 ms  be-7-0.ibr01.lax30.ntwk.msn.net [104.44.18.41]
 23   283 ms   318 ms   280 ms  be-4-0.ibr01.snl.ntwk.msn.net [104.44.17.72]
 24   377 ms   409 ms     *     be-10-0.ibr01.at130.ntwk.msn.net [104.44.18.220]
 25   287 ms     *      319 ms  be-6-0.ibr01.bn6.ntwk.msn.net [104.44.17.230]
 26   418 ms   403 ms   404 ms  be-2-0.ibr03.b120.ntwk.msn.net [104.44.19.5]
 27   409 ms   403 ms   410 ms  ae142-0.icr02.b120.ntwk.msn.net [104.44.21.224]
 28     *        *        *     请求超时。
 29     *        *        *     请求超时。
 30     *        *        *     请求超时。

跟踪完成。
```

tencent.com

Updated 1 day ago

Domain Information

Domain:	tencent.com
Registrar:	MarkMonitor Inc.
Registered On:	1998-09-14
Expires On:	2021-09-12
Updated On:	2019-08-12
Status:	clientDeleteProhibited clientTransferProhibited clientUpdateProhibited serverDeleteProhibited serverTransferProhibited serverUpdateProhibited
Name Servers:	ns1.qq.com ns2.qq.com ns3.qq.com ns4.qq.com

Registrant Contact

Organization:	Tencent Technology (shenzhen) Co.Ltd.
State:	Guang Dong
Country:	CN
Email:	Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com

Administrative Contact

Organization:	Tencent Technology (shenzhen) Co.Ltd.
State:	Guang Dong
Country:	CN
Email:	Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com

Technical Contact

Organization:	Tencent Technology (shenzhen) Co.Ltd.
State:	Guang Dong
Country:	CN
Email:	Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com

Raw Whois Data

```
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
Registrar Abuse Contact Email: abuseconplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895770
Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhib
Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferPr
Domain Status: clientDeleteProhibited (https://www.icann.org/epp#clientDeleteProhib
Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhib
Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferPr
Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhib
Registrant Organization: Tencent Technology (shenzhen) Co.Ltd.
Registrant State/Province: Guang Dong
Registrant Country: CN
Registrant Email: Select Request Email Form at https://domains.markmonitor.com/whoi
Admin Organization: Tencent Technology (shenzhen) Co.Ltd.
Admin State/Province: Guang Dong
Admin Country: CN
Admin Email: Select Request Email Form at https://domains.markmonitor.com/whois/ten
Tech Organization: Tencent Technology (shenzhen) Co.Ltd.
Tech State/Province: Guang Dong
Tech Country: CN
Tech Email: Select Request Email Form at https://domains.markmonitor.com/whois/tenc
Name Server: ns3.qq.com
Name Server: ns4.qq.com
Name Server: ns1.qq.com
Name Server: ns2.qq.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/
>>> Last update of WHOIS database: 2020-02-26T05:04:52-0800 <<<

For more information on WHOIS status codes, please visit:
  https://www.icann.org/resources/pages/epp-status-codes

If you wish to contact this domain's Registrant, Administrative, or Technical
contact, and such email address is not visible above, you may do so via our web
form, pursuant to ICANN's Temporary Specification. To verify that you are not a
```

```
robot, please enter your email address to receive a link to a page that
facilitates email communication with the relevant contact(s).

Web-based WHOIS:
  https://domains.markmonitor.com/whois

If you have a legitimate interest in viewing the non-public WHOIS details, send
your request and the reasons for your request to whoisrequest@markmonitor.com
and specify the domain name in the subject line. We will review that request and
may ask for supporting documentation and explanation.

The data in MarkMonitor's WHOIS database is provided for information purposes,
and to assist persons in obtaining information about or related to a domain
name's registration record. While MarkMonitor believes the data to be accurate,
the data is provided "as is" with no guarantee or warranties regarding its
accuracy.

By submitting a WHOIS query, you agree that you will use this data only for
lawful purposes and that, under no circumstances will you use this data to:
  (1) allow, enable, or otherwise support the transmission by email, telephone,
or facsimile of mass, unsolicited, commercial advertising, or spam; or
  (2) enable high volume, automated, or electronic processes that send queries,
data, or email to MarkMonitor (or its systems) or the domain name contacts (or
its systems).

MarkMonitor.com reserves the right to modify these terms at any time.

By submitting this query, you agree to abide by this policy.

MarkMonitor is the Global Leader in Online Brand Protection.

MarkMonitor Domain Management(TM)
MarkMonitor Brand Protection(TM)
MarkMonitor AntiCounterfeiting(TM)
MarkMonitor AntiPiracy(TM)
MarkMonitor AntiFraud(TM)
Professional and Managed Services

Visit MarkMonitor at https://www.markmonitor.com
Contact us at +1.8007459229
In Europe, at +44.02032062220
```