

初识 WEB-Lab 00

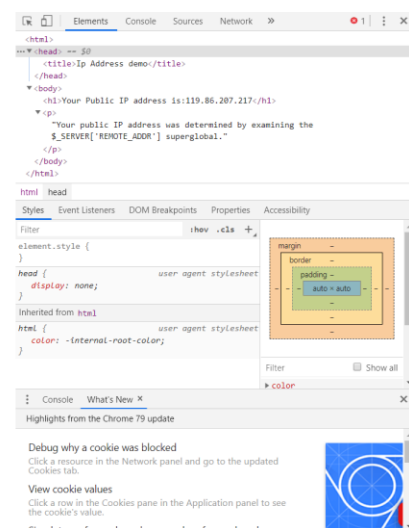
1、你的 IP 地址 (IP address)

```
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::35fa:9fc0:664e:bcfa%10
    IPv4 地址 . . . . . : 192.168.0.9
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : 192.168.0.1
```

2、分析一个网页的组成部分

Your Public IP address is:119.86.207.217
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

```
服务器: MLD, MLD
Address: 192.168.1.1

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

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

ns4.baidu.com internet address = 14.215.178.80
dns.baidu.com internet address = 202.108.22.220
ns2.baidu.com internet address = 220.181.33.31
ns7.baidu.com internet address = 180.76.76.92
ns3.baidu.com internet address = 112.80.248.64
```

(3) 使用授权服务器查询 baidu.com 的 IP 地址

```
PS C:\Users\A'su's> nslookup baidu.com dns.baidu.com
服务器:  UnKnown
Address:  202.108.22.220

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

(4) 查询 114.114.114.114 匹配的主机名

```
PS C:\Users\A'su's> nslookup 114.114.114.114
服务器:  UnKnown
Address:  192.168.0.1

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/79.0.3945.88 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:\Users\A'su's> 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  2 ms      1 ms      1 ms      MLD.MLD [192.168.1.1]
 3  7 ms      3 ms      4 ms      10.231.0.1
 4  14 ms     14 ms     14 ms     222.176.83.193
 5 1304 ms    18 ms     19 ms     222.176.5.165
 6  44 ms     46 ms     49 ms     202.97.83.177
 7  *         45 ms     *         202.97.94.134
 8  47 ms     45 ms     46 ms     202.97.12.17
 9  55 ms     59 ms     *         202.97.95.174
10  58 ms     57 ms     *         203.215.232.174
11  57 ms     58 ms     *         ae20-0.ibr02.hkg20.ntwk.msn.net [104.44.237.203]
12 266 ms     261 ms    265 ms    be-122-0.ibr02.hkg20.ntwk.msn.net [104.44.11.147]
13 258 ms     256 ms    256 ms    be-1-0.ibr02.hkg31.ntwk.msn.net [104.44.7.3]
14 291 ms     291 ms     *         be-10-0.ibr02.tyo79.ntwk.msn.net [104.44.17.192]
15 257 ms     257 ms    258 ms    be-6-0.ibr02.tyo30.ntwk.msn.net [104.44.17.183]
16 260 ms     *         259 ms    be-9-0.ibr02.lax30.ntwk.msn.net [104.44.18.43]
17  *         *         263 ms    be-8-0.ibr02.sn1.ntwk.msn.net [104.44.17.74]
18 262 ms     *         261 ms    be-3-0.ibr02.atl30.ntwk.msn.net [104.44.19.114]
19 270 ms     270 ms    270 ms    be-6-0.ibr02.bn6.ntwk.msn.net [104.44.17.232]
20 263 ms     263 ms    263 ms    be-2-0.ibr04.bl20.ntwk.msn.net [104.44.19.153]
21  *         273 ms    271 ms    ae160-0.ibr01.bl20.ntwk.msn.net [104.44.22.210]
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。

跟踪完成。
```

(2) 利用 whois 查询 tencent.com 的相关信息

tencent.com Updated 4 days 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: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895770
Domain Status: clientUpdateProhibited (<https://www.icann.org/epp#clientUpdat>)
Domain Status: clientTransferProhibited (<https://www.icann.org/epp#clientTra>)
Domain Status: clientDeleteProhibited (<https://www.icann.org/epp#clientDelet>)
Domain Status: serverUpdateProhibited (<https://www.icann.org/epp#serverUpdat>)
Domain Status: serverTransferProhibited (<https://www.icann.org/epp#serverTra>)
Domain Status: serverDeleteProhibited (<https://www.icann.org/epp#serverDelet>)
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.c>
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/wh>
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/who>
Name Server: ns4.qq.com
Name Server: ns1.qq.com
Name Server: ns3.qq.com
Name Server: ns2.qq.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System: <http://wdprs.internic>.
>>> Last update of WHOIS database: 2020-02-19T02:25:08-0800 <<<

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 Technica contact, and such email address is not visible above, you may do so via our form, pursuant to ICANN's Temporary Specification. To verify that you are no 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, s 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 may ask for supporting documentation and explanation.

The data in MarkMonitor's WHOIS database is provided for information purpose and to assist persons in obtaining information about or related to a domain name's registration record. While MarkMonitor believes the data to be accura 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, telepho or facsimile of mass, unsolicited, commercial advertising, or spam; or
(2) enable high volume, automated, or electronic processes that send queri data, or email to MarkMonitor (or its systems) or the domain name contacts (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