

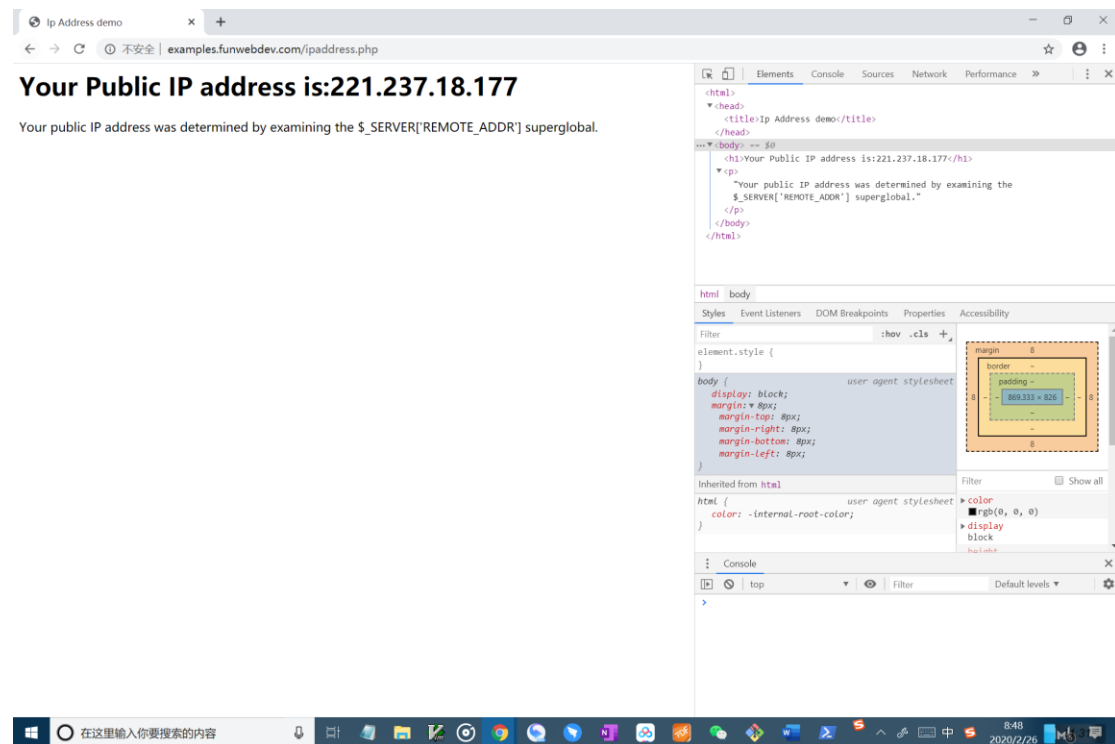
Lab0 实验报告

19302010085 谢知然

I. 你的 ip 地址

```
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::5c92:a801:e4a1:a7d2%20
    IPv4 地址 . . . . . : 192.168.0.107
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : 192.168.0.1
```

II . 分析一个网页的组成部分



III. 域名服务器

1. 查询 baidu.com 的 A 地址记录截图

```
PS C:\Users\Bfk> nslookup -type=A baidu.com
服务器: 192.168.0.1
Address: 192.168.0.1

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

2. 查询 baidu.com 的 域名服务器截图;

```
PS C:\Users\Bfk> nslookup -qt=ns baidu.com
服务器: 192.168.0.1
Address: 192.168.0.1

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

```
PS C:\Users\Bfk> nslookup baidu.com ns3.baidu.com
服务器: UnKnown
Address: 112.80.248.64

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

4. 查询 114.114.114.114 匹配的主机名的截图。

```
PS C:\Users\Bfk> nslookup 114.114.114.114
服务器: 192.168.0.1
Address: 192.168.0.1

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

IV.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

V.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\Bfk> tracert microsoft.com

通过最多 30 个跃点跟踪
到 microsoft.com [104.215.148.63] 的路由:

  1      1 ms      2 ms      1 ms  192.168.0.1 [192.168.0.1]
  2      2 ms      4 ms      1 ms  192.168.1.1 [192.168.1.1]
  3      6 ms      2 ms     28 ms  100.64.0.1
  4      4 ms      *        8 ms  171.223.204.213
  5     19 ms     12 ms     11 ms  171.208.197.141
  6     40 ms     42 ms     38 ms  202.97.36.225
  7      *        *        *    请求超时。
  8     54 ms     52 ms     55 ms  202.97.94.102
  9     54 ms     53 ms      *    202.97.89.54
 10      *        60 ms     67 ms  183.91.34.126
 11      *        *        57 ms  ae24-0.icr01.hkg20.ntwk.msn.net [104.44.237.201]
 12     86 ms      *        83 ms  be-100-0.ibr01.hkg20.ntwk.msn.net [104.44.11.135]
 13     85 ms      *        88 ms  be-4-0.ibr01.sg3.ntwk.msn.net [104.44.16.236]
 14     99 ms     94 ms     87 ms  ae100-0.icr01.sg3.ntwk.msn.net [104.44.20.6]
 15      *        *        *    请求超时。
 16      *        *        *    请求超时。
 17      *        *        *    请求超时。
 18      *        *        *    请求超时。
 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. 利用 whois 查询 tencent.com 的相关信息

Whois tencent.com

whois.com/whois/tencent.com

Whois
Identity for everyone

WHOIS

DOMAINSWEBSITECLOUDHOSTINGSERVERSEMAILSECURITYWHOISSUPPORTLOGIN

tencent.comUpdated 1 hour 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

Sale

.space

\$24.88

\$0.88

BUY NOW

*Offer ends 29th February 2020

On Sale!

.site

.SITE @ \$5.28

\$29.88

Introducing

WORDPRESS HOSTING

\$3.58

/mo

VIEW MORE

Whois tencent.com

whois.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: +1.2083896770
Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhibited)
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 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/whois/tencent.com
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/tencent.com
Tech Organization: Tencent Technology (shenzhen) Co.Ltd.

Whois.tencent.com

whois.com/whois/tencent.com

name-server: ns4.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: 2020-02-28T05:04:32-0800 <<<

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 +1.800.749.9229
In Europe, at +44.02032962220