

Lab 0

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Q1: 你的IP地址

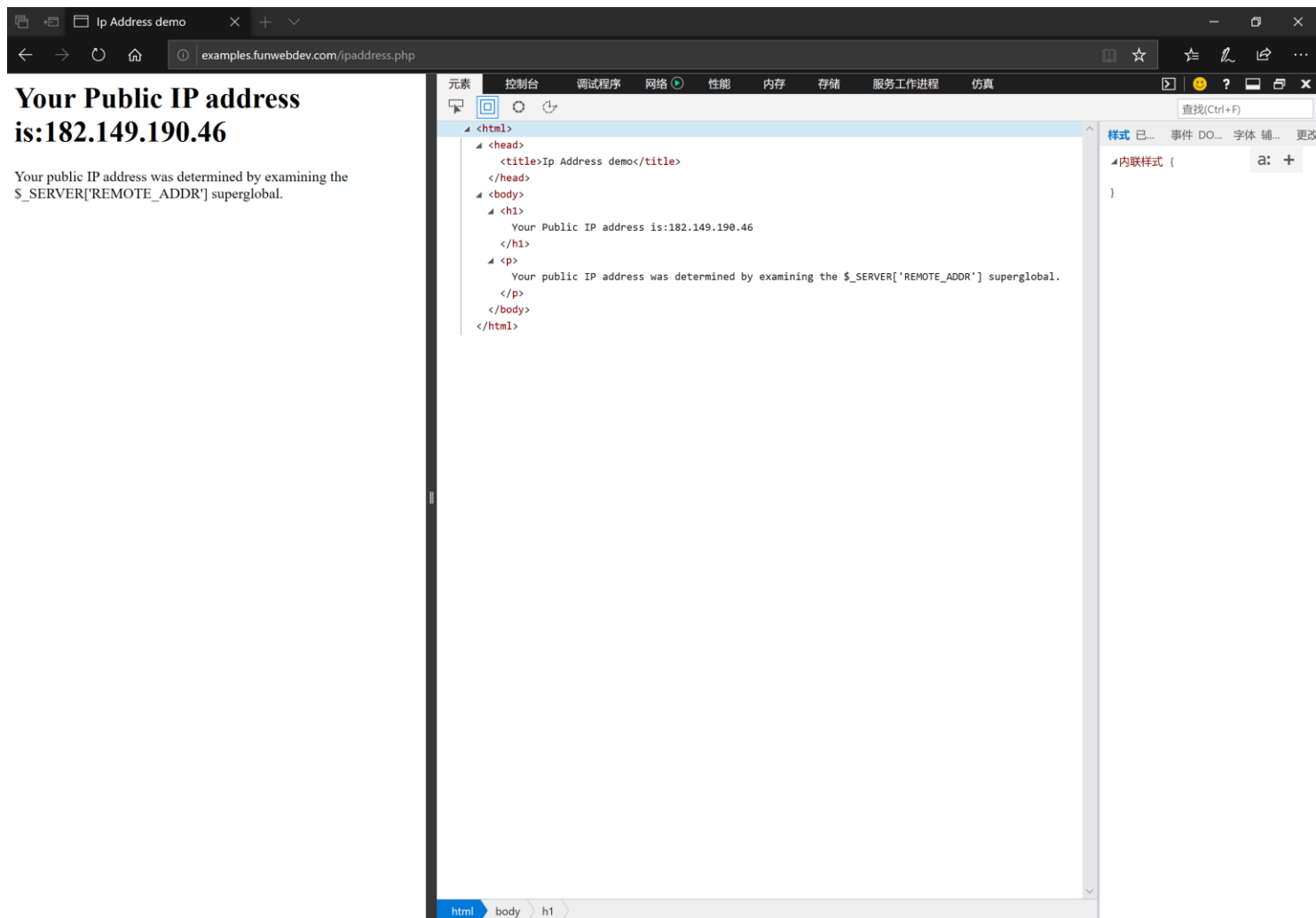
Wireless LAN adapter 本地连接* 3:

```
Connection-specific DNS Suffix  . :  
Link-local IPv6 Address . . . . . : fe80::f1c9:3240:3cec:b448%16  
IPv4 Address. . . . . : 192.168.137.1  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :
```

Wireless LAN adapter WLAN:

```
Connection-specific DNS Suffix  . : tendawifi.com  
Link-local IPv6 Address . . . . . : fe80::1de7:1286:60a7:2b0c%9  
IPv4 Address. . . . . : 192.168.5.187  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.5.1
```

Q2: 分析一个网页的组成部分



Q3: 域名服务器

```
Server:  UnKnown
Address: 192.168.5.1

Non-authoritative answer:
Name:    baidu.com
Addresses: 39.156.69.79
          220.181.38.148
```

```
PS C:\Users\82065> nslookup -qt=ns baidu.com
Server:  UnKnown
Address: 172.20.10.1

Non-authoritative answer:
baidu.com      nameserver = ns7.baidu.com
baidu.com      nameserver = ns2.baidu.com
baidu.com      nameserver = dns.baidu.com
baidu.com      nameserver = ns4.baidu.com
baidu.com      nameserver = ns3.baidu.com
```

```
PS C:\Users\82065> nslookup baidu.com ns2.baidu.com
Server:  UnKnown
Address: 220.181.33.31

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

```
PS C:\Users\82065> nslookup 114.114.114.114
Server:  UnKnown
Address: 172.20.10.1

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

Q4: 观察HTTP报头

The screenshot shows a web browser window with a news article on the left and a network traffic panel on the right. The browser's address bar shows the URL: https://dss0.bdstatic.com/5aV1bjqh_Q23odCf/static/sup.... The network panel displays a list of requests, with the 'Request Headers' tab selected for a specific request.

名称	协议	方法	结果	内容类型
ubase_9376dcf.css	HTTP/2	GET	200	text/css
mt_min-ea4a10287d.css	HTTP/2	GET	200	text/css
card_min-06d72bf244.css	HTTP/2	GET	200	text/css
nsguide-5070d27dcd.css	HTTP/2	GET	200	text/css
super_min-53058d8b45.css	HTTP/2	GET	200	text/css
newmusic_min_1b1ebf56.css	HTTP/2	GET	200	text/css
soutu.css	HTTP/2	GET	200	text/css
super_min-53058d8b45.css	HTTP/2	GET	200	text/css
card_min-06d72bf244.css	HTTP/2	GET	200	text/css
ubase_9376dcf.css	HTTP/2	GET	200	text/css
mt_min-ea4a10287d.css	HTTP/2	GET	200	text/css
nsguide-5070d27dcd.css	HTTP/2	GET	200	text/css
init_868b8fe7.css	HTTP/2	GET	200	text/css
newmusic_min_1b1ebf56.css	HTTP/2	GET	200	text/css
soutu.css	HTTP/2	GET	200	text/css
init_868b8fe7.css	HTTP/2	GET	200	text/css
super_ext-87b2b12415.css	HTTP/2	GET	200	text/css
super_ext-87b2b12415.css	HTTP/2	GET	200	text/css

The 'Request Headers' tab for the selected request shows the following details:

- 请求 URL: https://dss0.bdstatic.com/5aV1bjqh_Q23odCf/static/sup...
- 请求方法: GET
- 状态代码: 200 /
- 请求头:
 - Accept: */*
 - Accept-Encoding: gzip, deflate, br
 - Accept-Language: zh-Hans-CN, zh-Hans; q=0.5
 - Cache-Control: no-cache
 - Host: dss0.bdstatic.com
 - 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/18.18363
- 响应头:
 - content-encoding: gzip
 - content-type: text/css
 - date: Wed, 26 Feb 2020 02:20:21 GMT
 - etag: W/"5d9c6b50-1f2b"
 - expires: Fri, 28 Feb 2020 02:37:20 GMT
 - last-modified: Tue, 08 Oct 2019 10:56:16 GMT
 - ohc-cache-hit: cd4cm77 [4], cqcmcache77 [1]
 - ohc-response-time: 1 0 0 0 0
 - server: JSP3/2.0.14
 - vary: Accept-Encoding

Q5 追踪数据包

```
Tracing route to microsoft.com [13.77.161.179]
over a maximum of 30 hops:

 1      3 ms      9 ms      3 ms  172.20.10.1
 2      *        *        *    Request timed out.
 3     54 ms     33 ms     89 ms  192.168.181.201
 4      *        *        *    Request timed out.
 5     37 ms     46 ms     37 ms  111.9.130.153
 6     44 ms     67 ms     50 ms  221.183.19.41
 7     93 ms     65 ms     63 ms  221.176.18.13
 8     73 ms    140 ms     92 ms  221.176.24.102
 9     83 ms     66 ms     76 ms  221.176.24.58
10    101 ms    100 ms    218 ms  221.183.21.2
11    100 ms     75 ms     93 ms  223.118.2.214
12    103 ms     86 ms     84 ms  223.119.0.174
13    101 ms     95 ms    124 ms  ae26-0.icr01.hkg31.ntwk.msn.net [104.44.237.197]
14    312 ms    317 ms    317 ms  be-100-0.ibr01.hkg31.ntwk.msn.net [104.44.11.125]
15    298 ms    562 ms      *    be-11-0.ibr01.tyo79.ntwk.msn.net [104.44.17.134]
16    297 ms      *    345 ms  be-7-0.ibr01.pdx30.ntwk.msn.net [104.44.18.167]
17    296 ms    317 ms    315 ms  be-4-0.ibr03.mwh01.ntwk.msn.net [104.44.16.66]
18      *    426 ms    315 ms  ae142-0.icr04.mwh01.ntwk.msn.net [104.44.21.162]
19      *        *        *    Request timed out.
20      *        *        *    Request timed out.
21      *        *        *    Request timed out.
22      *        *        *    Request timed out.
23      *        *        *    Request timed out.
24      *        *        *    Request timed out.
25      *        *        *    Request timed out.
26      *        *        *    Request timed out.
27      *        *        *    Request timed out.
28      *        *        *    Request timed out.
29      *        *        *    Request timed out.
30      *        *        *    Request timed out.
```


Q5 追踪数据包 (whois)

```
racoon@racoon-Surface-Book:~/Desktop$ whois tencent.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: 2019-08-12T09:11:43Z
Creation Date: 1998-09-14T04:00:00Z
Registry Expiry Date: 2021-09-13T04:00:00Z
Registrar: MarkMonitor Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895740
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
Name Server: NS1.QQ.COM
Name Server: NS2.QQ.COM
Name Server: NS3.QQ.COM
Name Server: NS4.QQ.COM
DNSSEC: unsigned
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2020-02-26T02:45:19Z <<<

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

NOTICE: The expiration date displayed in this record is the date the
registrar's sponsorship of the domain name registration in the registry is
currently set to expire. This date does not necessarily reflect the expiration
date of the domain name registrant's agreement with the sponsoring
registrar. Users may consult the sponsoring registrar's Whois database to
view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois
database through the use of electronic processes that are high-volume and
automated except as reasonably necessary to register domain names or
modify existing registrations; the Data in VeriSign Global Registry
Services' ("VeriSign") Whois database is provided by VeriSign for
information purposes only, and to assist persons in obtaining information
about or related to a domain name registration record. VeriSign does not
guarantee its accuracy. By submitting a Whois query, you agree to abide
by the following terms of use: You agree that you may 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 of mass
unsolicited, commercial advertising or solicitations via e-mail, telephone,
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or facsimile; or (2) enable high volume, automated, electronic processes that apply to VeriSign (or its computer systems). The compilation, repackaging, dissemination or other use of this Data is expressly prohibited without the prior written consent of VeriSign. You agree not to use electronic processes that are automated and high-volume to access or query the Whois database except as reasonably necessary to register domain names or modify existing registrations. VeriSign reserves the right to restrict your access to the Whois database in its sole discretion to ensure operational stability. VeriSign may restrict or terminate your access to the Whois database for failure to abide by these terms of use. VeriSign reserves the right to modify these terms at any time.

```
The Registry database contains ONLY .COM, .NET, .EDU domains and
Registrars.
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#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 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.
Tech State/Province: Guang Dong
Tech Country: CN
Tech Email: Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com
Name Server: ns1.qq.com
Name Server: ns4.qq.com
```

Q5 追踪数据包 (whois)

```
Name Server: ns3.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: 2020-02-25T18:37:55-0800 <<<
```

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.

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MarkMonitor Brand Protection(TM)

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MarkMonitor AntiFraud(TM)
Professional and Managed Services

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