

LAB 00

1. IP address

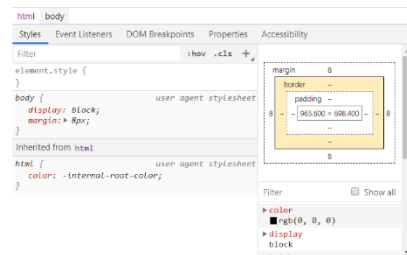
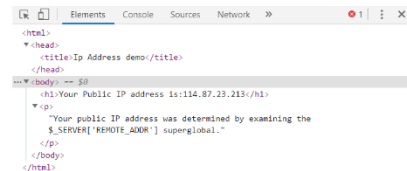
```
无线局域网适配器 WLAN:

    连接特定的 DNS 后缀 . . . . . : 
    IPv6 地址 . . . . . : 240e:e0:f018:d0be:9134:be33:6d14:6ddf
    临时 IPv6 地址. . . . . : 240e:e0:f018:d0be:3cb5:934:b393:41f8
    本地连接 IPv6 地址. . . . . : fe80::9134:be33:6d14:6ddf%15
    IPv4 地址 . . . . . : 192.168.43.72
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : fe80::467d:f80f:be7e:191%15
                        192.168.43.1
```

2. 分析一个网页的组成部分

Your Public IP address is:114.87.23.213

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



3. Name server

```
C:\Users\俞> nslookup -qt=A baidu.com
服务器:  UnKnown
Address:  192.168.43.1
```

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

```
C:\Users\俞>nslookup -qt=ns baidu.com
服务器:  UnKnown
Address:  192.168.43.1
```

非权威应答:

```
baidu.com      nameserver = dns.baidu.com
baidu.com      nameserver = ns7.baidu.com
baidu.com      nameserver = ns3.baidu.com
baidu.com      nameserver = ns2.baidu.com
baidu.com      nameserver = ns4.baidu.com
```

```
C:\Users\俞>nslookup baidu.com ns4.baidu.com
服务器: UnKnown
Address: 14.215.178.80
```

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

```
C:\Users\俞>nslookup baidu.com ns7.baidu.com
服务器: UnKnown
Address: 180.76.76.92
```

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

```
C:\Users\俞>nslookup baidu.com dns.baidu.com
服务器: UnKnown
Address: 202.108.22.220
```

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

```
C:\Users\俞>nslookup baidu.com ns2.baidu.com
服务器: UnKnown
Address: 220.181.33.31
```

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

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

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

```
C:\Users\俞>nslookup 114.114.114.114
服务器: UnKnown
Address: 192.168.43.1

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

4. HTTP headers

The screenshot shows the Chrome DevTools Network tab. The top toolbar includes icons for Elements, Console, Sources, Network (selected), and Performance. Below the toolbar, there's a filter section with 'All' selected and a 'Hide data URLs' checkbox. A timeline at the top shows various network requests. The main panel displays the details of a selected request, with tabs for Headers, Preview, Response, and Initiator. The 'Headers' tab is active, showing 'General', 'Response Headers', and 'Request Headers' sections.

Name

- min_super-24bddf3c48.js
- pageserver?errno=7008&erru
- v.gif?logactid=1234567890&s
- all_async_search_c33e4c4.js
- every_cookie_4644b13.js
- nu_instant_search_baaa58d.js
- quickdelete_33e3eb8.png
- swfobject_0178953.js
- tu_77547af.js
- search-sug_913fe0a.js
- hotWord_cc828cc.js
- soutu.css
- sugrec?prod=pc_his&from=p
- v.gif?pid=201&pj=www&fm=
- camera_new_x2_fb6c085.png
- super_load-2aa20826e0.js
- pageserver?errno=7008&erru
- favicon.ico
- nsguide-5070d27dcd.css
- super_ext-87b2b12415.css
- ubase_5a7b0933.js
- ubase_9376fdcf.css

31 requests | 325 KB transferred

General

- Request URL:** https://www.baidu.com/home/page/dat
- Request Method:** GET
- Status Code:** 200 OK
- Remote Address:** 180.101.49.11:443
- Referrer Policy:** unsafe-url

Response Headers [view source](#)

- Cache-Control:** private
- Connection:** keep-alive
- Content-Encoding:** gzip
- Content-Length:** 52
- Content-Type:** text/html; charset=utf-8
- Date:** Sat, 29 Feb 2020 06:00:16 GMT
- Expires:** Sat, 29 Feb 2020 06:00:16 GMT
- Server:** BWS/1.0
- Vary:** Accept-Encoding

Request Headers [view source](#)

- Accept:** image/webp,image/apng,image/*,*/*;q=0.8

5. Tracing a packet

```
C:\Users\俞>tracert microsoft.com
```

通过最多 30 个跃点跟踪

到 microsoft.com [40.112.72.205] 的路由:

1	4 ms	3 ms	2 ms	192.168.43.1
2	*	*	*	请求超时。
3	34 ms	39 ms	57 ms	100.97.1.9
4	*	*	*	请求超时。
5	49 ms	38 ms	47 ms	172.31.0.21
6	119 ms	101 ms	62 ms	101.95.40.181
7	62 ms	29 ms	45 ms	61.152.86.190
8	51 ms	34 ms	37 ms	202.97.62.158
9	*	*	*	请求超时。
10	147 ms	69 ms	66 ms	202.97.6.6
11	75 ms	90 ms	76 ms	203.215.232.174
12	78 ms	84 ms	69 ms	ae20-0. icr02. hkg20. ntwk. msn. net [104.44.237.203]
13	363 ms	379 ms	435 ms	be-102-0. ibr01. hkg20. ntwk. msn. net [104.44.11.131]
14	333 ms	406 ms	407 ms	be-4-0. ibr01. sg3. ntwk. msn. net [104.44.16.236]
15	372 ms	*	*	be-1-0. ibr01. sg2. ntwk. msn. net [104.44.7.13]
16	422 ms	304 ms	304 ms	be-14-0. ibr01. mrs20. ntwk. msn. net [104.44.17.67]
17	352 ms	304 ms	*	be-3-0. ibr01. par30. ntwk. msn. net [104.44.7.47]
18	*	410 ms	*	be-5-0. ibr01. lon22. ntwk. msn. net [104.44.17.77]
19	257 ms	248 ms	472 ms	be-8-0. ibr01. dub07. ntwk. msn. net [104.44.17.84]
20	248 ms	326 ms	260 ms	ae102-0. icr02. dub07. ntwk. msn. net [104.44.11.56]
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。

跟踪完成。

tencent.com

Updated 2 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#clientUpdateProhibited)
Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferProhibit
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#serverTransferProhibit
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/tenc
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.c
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.cc
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 <<<
```