

2020.2.26

Lab0

## 1. IP address

无线局域网适配器 WLAN:

```
连接特定的 DNS 后缀 . . . . . :  
IPv6 地址 . . . . . : 240e:e0:9200:ec00:95c0:ee85:a3ba:c27f  
临时 IPv6 地址. . . . . : 240e:e0:9200:ec00:494:4509:3f84:57a8  
本地链接 IPv6 地址. . . . . : fe80::95c0:ee85:a3ba:c27f%18  
IPv4 地址 . . . . . : 192.168.1.6  
子网掩码 . . . . . : 255.255.255.0  
默认网关. . . . . : fe80::1%18  
                  192.168.1.1
```

## 2. 分析网页组成部分

### 2.1 html 标签

The screenshot shows a web browser window with the address bar displaying "examples.funwebdev.com/ipaddress.php". The page content displays "Your Public IP address is:101.88.202.58" and a message: "Your public IP address was determined by examining the \$\_SERVER['REMOTE\_ADDR'] superglobal." The browser's developer tools are open, showing the HTML structure. The HTML consists of a single root element with a title "Ip Address demo" and a body containing an h1 tag with the IP address and a paragraph with the explanatory message. The Styles panel shows the default user agent styles for the html element, including display: block and color: -internal-root-color. The DOM Breakpoints panel is also visible.

Ip Address demo

examples.funwebdev.com/ipaddress.php

Your Public IP address is:101.88.202.58

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

Elements

```
<html> == $0  
<head>  
  <title>Ip Address demo</title>  
</head>  
<body>  
  <h1>Your Public IP address is:101.88.202.58</h1>  
  <p>  
    "Your public IP address was determined by examining the  
    $_SERVER['REMOTE_ADDR'] superglobal."  
  </p>  
</body>  
</html>
```

html body

Styles

Filter: :hov .cls +

Add new class

element.style {

```
html {  
  display: block;  
  color: -internal-root-color;  
}
```

margin

border

padding

725.333 x 578

Filter: Show all

color

rgb(0, 0, 0)

display

block

下午 2:49:53  
2020/2/24 星期一

## 2.2 networks 标签

The screenshot shows a web browser window with the address bar displaying `examples.funwebdev.com/ipaddress.php`. The page content displays the public IP address **101.88.202.58** and a message stating: "Your public IP address was determined by examining the `$_SERVER['REMOTE_ADDR']` superglobal."

The Chrome DevTools Network tab is open, showing a single request to `ipaddress.php`. The request details are as follows:

Name	Status	Type	Initiator	Size	Time	Waterfall
ipaddress.php	200	doc...	Other	444 B	2.8...	

The bottom status bar of DevTools shows: 1 requests, 444 B transferred, 176 B resources, Finish: 2.84 s, and DOMContentLoaded: 2.87 s.

My Repositories

百度一下, 你就知道

ReleaseNotes.html

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百度 https://www.baidu.com

2亿人在家开工

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🐼 百度一下, 🎮 控制面板 🏠 复旦大学 🎓 复旦大学 📖 中国知网 🏠 复旦大学 🏠 网上办事 高数网站 📄 LEAP 🌐 GitHub - li

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🔍 Elements Console Sources Network Performance Memory Application Security Audits

🔍 View: 🖨️ 🔄 📁 Group by frame 📄 Preserve log 🗑️ Disable cache 📄 Offline Online

Filter ☐ Hide data URLs **All** XHR JS CSS Img Media Font Doc WS Manifest Other

200 ms 400 ms 600 ms 800 ms 1000 ms 1200 ms 1400 ms 1600 ms 1800 ms 2000 ms 2200 ms 2400 ms 2600 ms 2800 ms 3000 ms

Name	Status	Type	Initiator	Size	Time	Waterfall
www.baidu.com	200	document	Other	66.6 KB	799 ms	
bd_logo1.png?where=super	200	png	(index)	(from memory cac...	0 ms	
bd_logo1.png?qua=high&where=super	200	png	www.baidu.com/50	(from memory cac...	0 ms	
logo_top-e3b63a0b1b.png	200	png	www.baidu.com/50	(from memory cac...	0 ms	
baidu_resultlogo@2.png	200	png	www.baidu.com/50	(from memory cac...	0 ms	
card_setts-c75091e958.png	200	png	(index)	(from memory cac...	0 ms	
a1.png	200	png	(index)	(from memory cac...	0 ms	
9f510fb30f2442a7e686a920d538e94dd013022f.jpeg?toke...5e896a1a0...	200	jpeg	(index)	11.1 KB	118 ms	
loading_72b1da62.gif	200	gif	(index)	(from memory cac...	0 ms	

52 requests | 82.3 KB transferred | Finish: 2.67 s | DOMContentLoaded: 1.23 s | Load: 1.67 s

### 3. 域名服务器

#### 3.1 查询 baidu.com 的 A 地址记录

#### 3.2 查询 baidu.com 的 域名服务器

#### 3.3 使用授权服务器查询 baidu.com 的 IP 地址

```
管理员: C:\Windows\system32\cmd.exe
C:\Users\Administrator>nslookup baidu.com
服务器: UnKnown
Address: fe80::1

非权威应答:
DNS request timed out.
    timeout was 2 seconds.
名称:     baidu.com
Addresses: 220.181.38.148
           39.156.69.79

C:\Users\Administrator>nslookup -qt=ns baidu.com
服务器: UnKnown
Address: fe80::1

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

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

名称:     baidu.com
Addresses: 39.156.69.79
           220.181.38.148

C:\Users\Administrator>
```

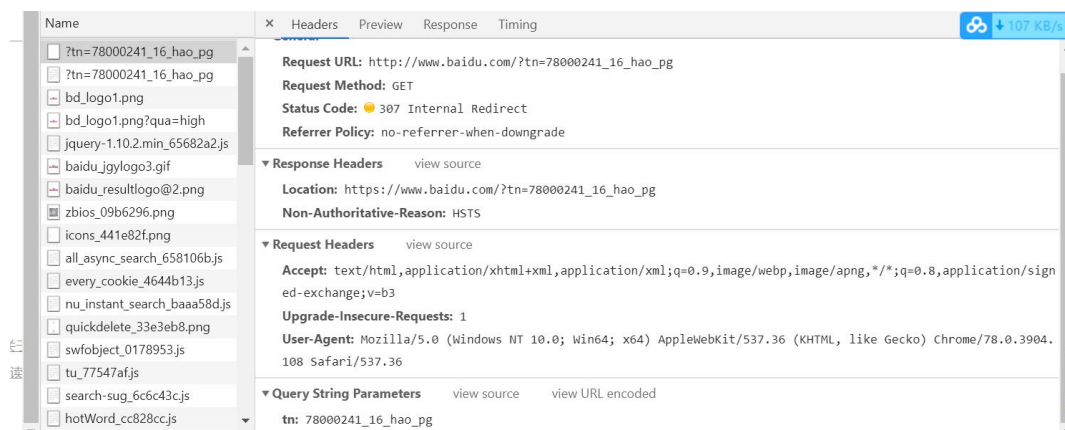
#### 3.4 查询 114.114.114.114 匹配主机名

```
C:\Users\Administrator>nslookup 114.114.114.114
服务器: UnKnown
Address: fe80::1

名称:     public1.114dns.com
Address:  114.114.114.114

C:\Users\Administrator>
```

### 4. HTTP headers



## 5. 追踪数据包

### 5.1 跟踪 microsoft.com

```
管理员: C:\Windows\system32\cmd.exe - powershell
版权所有 (C) Microsoft Corporation。保留所有权利。
尝试新的跨平台 PowerShell https://aka.ms/pscore6
PS C:\Users\Administrator> tracert microsoft.com

通过最多 30 个跃点跟踪
到 microsoft.com [40.112.72.205] 的路由:

  1  2 ms    1 ms    2 ms    192.168.1.1 [192.168.1.1]
  2  10 ms   9 ms    9 ms    100.65.0.1
  3  18 ms   14 ms   13 ms    61.152.5.9
  4  12 ms    7 ms    9 ms    101.95.120.78
  5  7 ms     *      *      202.97.50.218
  6  *       6 ms    8 ms    202.97.33.154
  7  83 ms   50 ms   55 ms    202.97.25.230
  8  36 ms   34 ms   34 ms    203.215.232.174
  9  37 ms   37 ms   35 ms    ae20-0.ibr02.hkg20.ntwk.msn.net [104.44.237.203]
10  301 ms  *      245 ms    be-122-0.ibr02.hkg20.ntwk.msn.net [104.44.11.147]
11  *      233 ms  236 ms    be-6-0.ibr02.sg3.ntwk.msn.net [104.44.16.238]
12  259 ms  255 ms  245 ms    be-1-0.ibr02.sg2.ntwk.msn.net [104.44.7.19]
13  232 ms  231 ms  233 ms    be-14-0.ibr02.mrs20.ntwk.msn.net [104.44.17.65]
14  252 ms  250 ms  262 ms    be-3-0.ibr02.par21.ntwk.msn.net [104.44.7.48]
15  251 ms  301 ms  289 ms    be-1-0.ibr02.par30.ntwk.msn.net [104.44.7.215]
16  284 ms  245 ms  247 ms    be-6-0.ibr02.lon22.ntwk.msn.net [104.44.17.79]
17  240 ms  238 ms  241 ms    be-8-0.ibr02.dub07.ntwk.msn.net [104.44.17.86]
18  257 ms  250 ms  246 ms    ae122-0.ibr02.dub07.ntwk.msn.net [104.44.11.72]
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。

跟踪完成。
```

## tencent.com

Updated 6 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 <a href="https://domains.markmonitor.com/whois/tencent.com">https://domains.markmonitor.com/whois/tencent.com</a>



### Administrative Contact

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



### Technical Contact



### Technical Contact

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

### 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](mailto: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>)

Registrar: MarkMonitor, Inc.  
Registrar IANA ID: 292  
Registrar Abuse Contact Email: [abusecomplaints@markmonitor.com](mailto: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: 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.net/>  
>>> 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 Technical contact, and such email address is not visible above, you may do so via our web