

Lab0

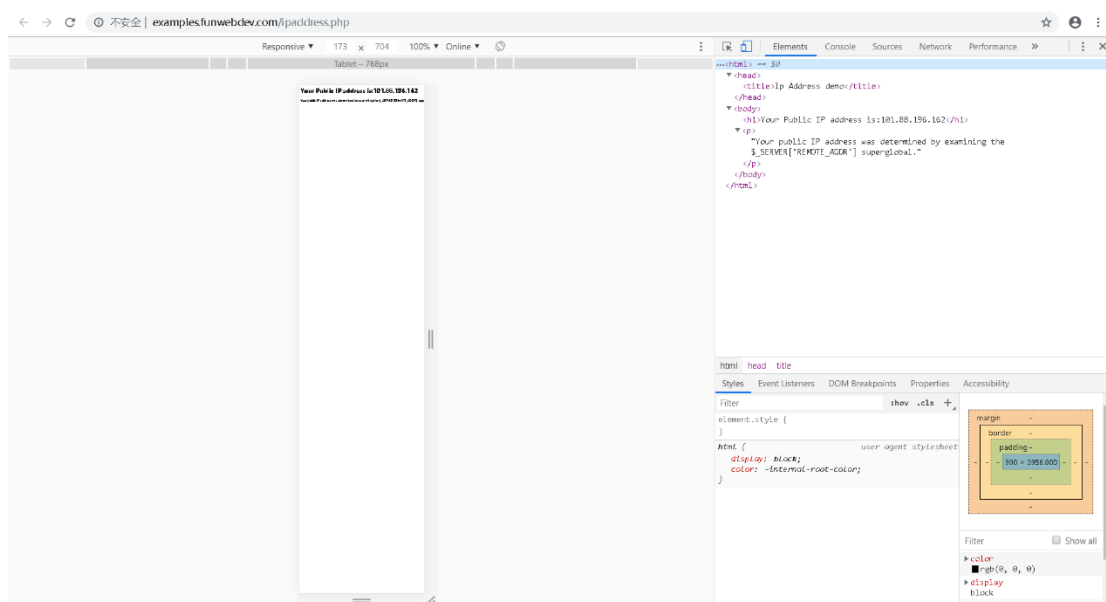
贾子安 18307130017

IP 地址 (IP address)

```
无线局域网适配器 WLAN:

    连接特定的 DNS 后缀 . . . . . : 
    IPv6 地址 . . . . . : 240e:e0:6016:1400:5975:5aef:3fba:645d
    临时 IPv6 地址. . . . . : 240e:e0:6016:1400:1d54:936:7a44:1e34
    本地链接 IPv6 地址. . . . . : fe80::5975:5aef:3fba:645d%24
    IPv4 地址 . . . . . : 192.168.1.7
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : fe80::1%24
                        192.168.1.1
```

分析一个网页的组成部分



域名服务器 (Name server)

```
服务器: dns.google
Address: 8.8.8.8

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

```
服务器: dns.google
Address: 8.8.8.8

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 = dns.baidu.com
baidu.com      nameserver = ns4.baidu.com
```

服务器: UnKnown
Address: 180.76.76.92

名称: baidu.com
Addresses: 220.181.38.148
39.156.69.79

正在 Ping public1.114dns.com [114.114.114.114] 具有 32 字节的数据:
来自 114.114.114.114 的回复: 字节=32 时间=187ms TTL=89
来自 114.114.114.114 的回复: 字节=32 时间=224ms TTL=70
来自 114.114.114.114 的回复: 字节=32 时间=110ms TTL=71
来自 114.114.114.114 的回复: 字节=32 时间=65ms TTL=90

观察 HTTP 标头 (HTTP headers)

Name	Headers	Preview	Response	Timing
General				
Request URL: https://sm.bding.com/static/wiseindex/amd_modules/@searchfe/user-agent_24ce52d.js				
Request Method: GET				
Status Code: 200 (from disk cache)				
Remote Address: 180.163.198.49:443				
Referrer Policy: unsafe-url				
Response Headers				
age: 2659048				
cache-control: max-age=2592000				
content-encoding: gzip				
content-type: application/x-javascript				
date: Mon, 24 Feb 2020 00:07:14 GMT				
etag: W/"5c1a07fd-a47"				
expires: Sun, 01 Mar 2020 04:09:46 GMT				
last-modified: Wed, 19 Dec 2018 08:57:33 GMT				
ohc-cache-hit: shct63 [4], nb2ctcache63 [4]				
ohc-response-time: 1 0 0 0 0 0				
server: 3SP3/2.0.14				
status: 200				
vary: Accept-Encoding				
Request Headers				
Provisional headers are shown				
Referer: https://www.baidu.com/				
User-Agent: Mozilla/5.0 (Linux; Android 6.0; Nexus 5 Build/WRAS8N) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.87 Mobile Safari/537.36				

追踪数据包 (Tracing a packet)

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

1	1 ms	1 ms	<1 毫秒	192.168.1.1 [192.168.1.1]
2	23 ms	8 ms	5 ms	100.65.0.1
3	10 ms	6 ms	7 ms	61.152.31.221
4	6 ms	6 ms	7 ms	61.152.24.22
5	6 ms	3 ms	6 ms	202.97.62.114
6	9 ms	6 ms	8 ms	202.97.12.197
7	38 ms	*	40 ms	202.97.25.230
8	*	*	47 ms	203.215.232.174
9	47 ms	47 ms	46 ms	ae20-0. icr02. hkg20. ntwk. msn. net [104.44.237.203]
10	225 ms	233 ms	225 ms	be-102-0. ibr01. hkg20. ntwk. msn. net [104.44.11.13]
11	256 ms	247 ms	248 ms	be-4-0. ibr01. sg3. ntwk. msn. net [104.44.16.236]
12	225 ms	224 ms	225 ms	be-1-0. ibr01. sg2. ntwk. msn. net [104.44.7.13]
13	247 ms	*	247 ms	be-14-0. ibr01. mrs20. ntwk. msn. net [104.44.17.67]
14	246 ms	*	*	be-3-0. ibr01. par30. ntwk. msn. net [104.44.7.47]
15	222 ms	221 ms	218 ms	be-5-0. ibr01. lon22. ntwk. msn. net [104.44.17.77]
16	248 ms	245 ms	246 ms	be-8-0. ibr01. dub07. ntwk. msn. net [104.44.17.84]
17	252 ms	249 ms	250 ms	ae100-0. icr01. dub07. ntwk. msn. net [104.44.11.60]