

Lab 0

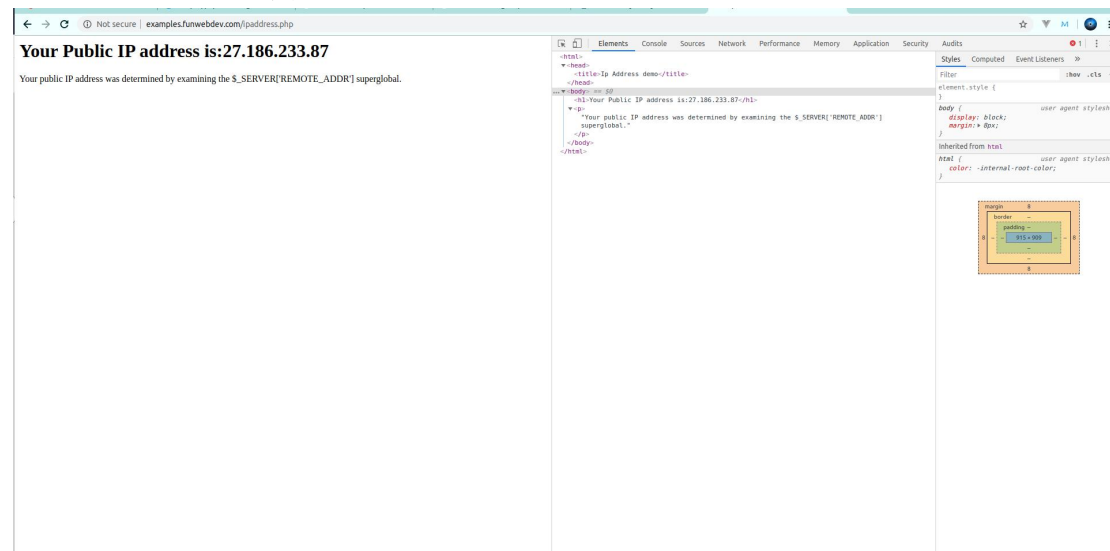
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1. IP 截图

```
无线局域网适配器 WLAN:

    连接特定的 DNS 后缀 . . . . . :
    本地连接 IPv6 地址. . . . . : fe80::fd1c:2012:9a28:a6cc%13
    IPv4 地址 . . . . . : 192.168.0.104
    子网掩码 . . . . . : 255.255.255.0
    默认网关. . . . . : 192.168.0.1
```

2. 页面组成部分



3. 域名服务器

1)

```
cxy@cxy-Legion-Y7000-2019-PC0:~$ nslookup -type=A baidu.com
Server:      127.0.1.1
Address:     127.0.1.1#53

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

2)

```
cxy@cxy-Legion-Y7000-2019-PG0:~$ nslookup -type=ns.baidu.com
Server:      127.0.1.1
Address:     127.0.1.1#53

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

Authoritative answers can be found from:
```

3)

```
cxy@cxy-Legion-Y7000-2019-PG0:~$ nslookup baidu.com ns2.baidu.com
Server:      ns2.baidu.com
Address:     220.181.33.31#53

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

4) 查询 114.114.114.114 匹配的主机名

```
cxy@cxy-Legion-Y7000-2019-PG0:~$ nslookup -type=ns 114.114.114.114
Server:      127.0.1.1
Address:     127.0.1.1#53

Non-authoritative answer:
114.114.114.114.in-addr.arpa    name = public1.114dns.com.

Authoritative answers can be found from:
```

4. 观察 Headers

User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3987.116 Safari/537.36

5. traceroute & whois

1) traceroute

```
cxy@cxy-Legion-Y7000-2019-PG0:~$ traceroute microsoft.com
traceroute to microsoft.com (40.76.4.15), 30 hops max, 60 byte packets
 1 192.168.1.1 (192.168.1.1)  0.412 ms  0.855 ms  1.020 ms
 2 10.0.92.1 (10.0.92.1)  5.798 ms  5.859 ms  5.914 ms
 3 27.129.19.45 (27.129.19.45)  4.928 ms  6.134 ms  6.185 ms
 4 27.129.17.29 (27.129.17.29)  9.745 ms  9.750 ms  27.129.17.21 (27.129.17.21)  10.030 ms
 5 202.97.80.121 (202.97.80.121)  50.333 ms  202.97.80.237 (202.97.80.237)  13.746 ms  202.97.80.133 (202.97.80.133)  13.808 ms
 6 202.97.53.26 (202.97.53.26)  29.021 ms  202.97.34.74 (202.97.34.74)  14.588 ms *
 7 202.97.14.222 (202.97.14.222)  29.118 ms  202.97.85.54 (202.97.85.54)  18.844 ms  18.726 ms
 8 202.97.39.106 (202.97.39.106)  64.206 ms  64.208 ms *
 9 * 203.215.232.174 (203.215.232.174)  55.870 ms *
10 ae24-0.lcr02.hkg31.ntwk.msn.net (104.44.237.198)  62.962 ms  63.205 ms ae20-0.lcr02.hkg20.ntwk.msn.net (104.44.237.203)  52.553 ms
11 be-122-0.lbr02.hkg31.ntwk.msn.net (104.44.11.137)  238.418 ms be-102-0.lbr01.hkg20.ntwk.msn.net (104.44.11.131)  244.655 ms *
12 be-1-0.lbr01.hkg31.ntwk.msn.net (104.44.7.253)  248.435 ms be-11-0.lbr01.tyo09.ntwk.msn.net (104.44.17.134)  243.126 ms be-1-0.lbr01.hkg31.ntwk.msn.net (104.44.7.253)  241.192 ms
13 be-5-0.lbr01.tyo30.ntwk.msn.net (104.44.17.191)  241.469 ms be-11-0.lbr01.tyo09.ntwk.msn.net (104.44.17.134)  243.363 ms *
14 be-9-0.lbr02.lax30.ntwk.msn.net (104.44.18.43)  245.873 ms be-6-0.lbr02.tyo30.ntwk.msn.net (104.44.17.183)  238.649 ms 239.840 ms
15 be-7-0.lbr01.lax30.ntwk.msn.net (104.44.18.41)  246.992 ms * be-8-0.lbr02.snl.ntwk.msn.net (104.44.17.74)  246.444 ms
16 be-10-0.lbr01.atl30.ntwk.msn.net (104.44.18.220)  239.107 ms be-3-0.lbr02.atl30.ntwk.msn.net (104.44.19.114)  250.119 ms 250.007 ms
17 be-10-0.lbr01.atl30.ntwk.msn.net (104.44.18.220)  233.557 ms 236.047 ms *
18 be-6-0.lbr01.bno.ntwk.msn.net (104.44.17.230)  235.399 ms be-2-0.lbr04.bl20.ntwk.msn.net (104.44.19.153)  233.782 ms be-6-0.lbr01.bno.ntwk.msn.net (104.44.17.230)  238.656 ms
19 * ae102-0.lcr02.bl20.ntwk.msn.net (104.44.21.234)  237.514 ms *
20 * ae142-0.lcr02.bl20.ntwk.msn.net (104.44.21.224)  247.080 ms
```

2) whois

```
cxy@cxy-Legion-Y7000-2019-PG0:~$ 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: 2020-02-26T01:28:19Z <<<
```