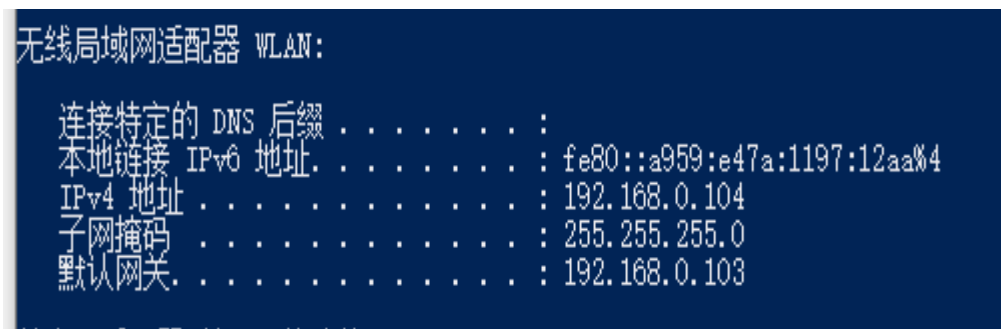
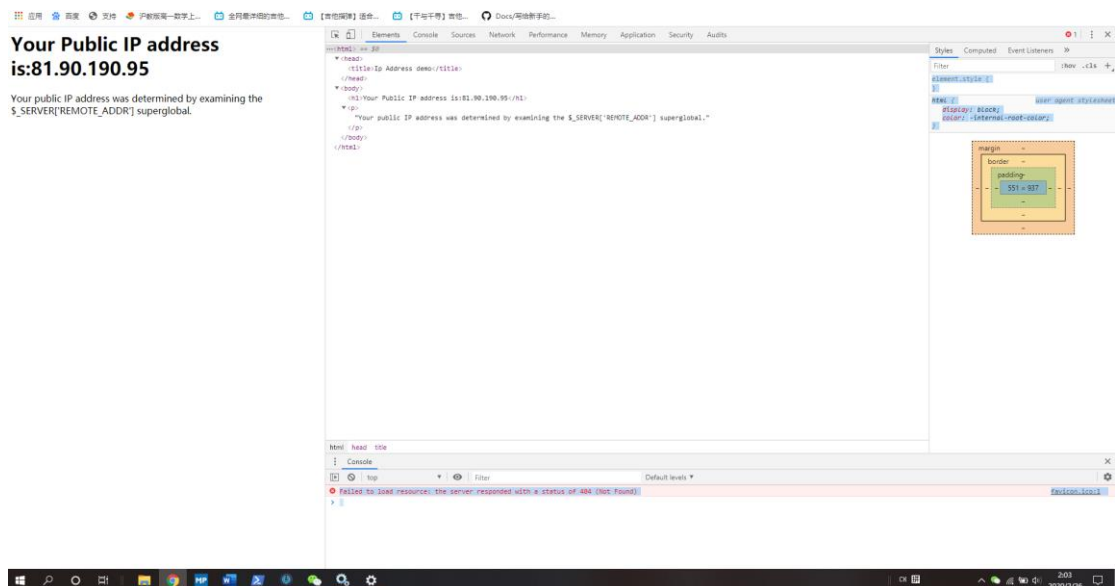


## 1. IP 地址



## 2. 分析网页成分



### 3. 域名服务器

#### 3.1 查询 baidu.com 的 A 地址记录截图

```
PS D:\学习\git> nslookup -qt=A baidu.com
DNS request timed out.
    timeout was 2 seconds.
服务器: UnKnown
Address: 192.168.1.1

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

#### 3.2 查询 baidu.com 的域名服务器截图

```
PS D:\学习\git> nslookup -qt=ns baidu.com
DNS request timed out.
    timeout was 2 seconds.
服务器: UnKnown
Address: 192.168.1.1

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

#### 3.3 使用授权服务器查询 baidu.com 的 IP 地址的截图

```
PS D:\学习\git> nslookup baidu.com dns.baidu.com
服务器: UnKnown
Address: 202.108.22.220

名称:     baidu.com
Addresses: 220.181.38.148
           39.156.69.79

PS D:\学习\git> nslookup baidu.com ns2.baidu.com
服务器: UnKnown
Address: 220.181.33.31

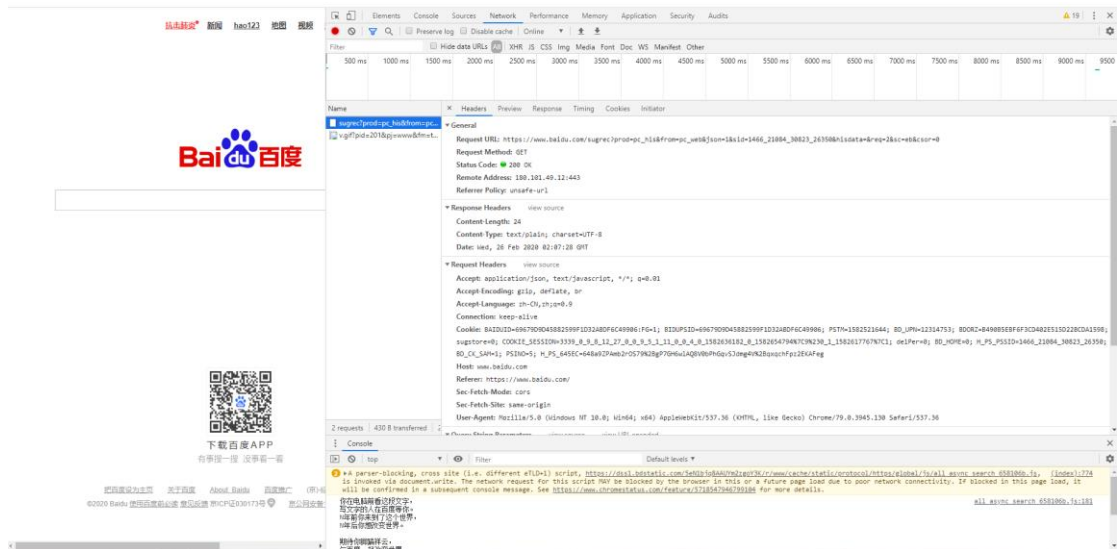
名称:     baidu.com
Addresses: 39.156.69.79
           220.181.38.148
```

#### 3.4 查询 114.114.114.114 匹配的主机名

```
PS D:\学习\git> nslookup 114.114.114.114
服务器: public1.114dns.com
Address: 114.114.114.114

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

## 4. 观察 HTTP 标头



The screenshot shows the Baidu homepage in a web browser. The address bar displays the URL: `http://www.baidu.com/sugrec/prod-pc_his4from-pc_web8?son=1&ic=1466_21884_38823_26198&isdate=4&rep=2&ic=4&cor=0`. The page content includes the Baidu logo, a search bar, and a QR code for downloading the Baidu app. The Chrome DevTools Network tab is open, showing a list of requests. The selected request is a GET request to the same URL. The request headers include `Accept: application/json, text/javascript, */*; q=0.01`, `Accept-Encoding: gzip, deflate, sr`, `Accept-Language: zh-CN,zh;q=0.9`, `Connection: keep-alive`, and various cookies. The response headers show `Content-Length: 24`, `Content-Type: text/plain; charset=UTF-8`, and `Date: Sat, 26 Feb 2022 02:07:28 GMT`. The console shows a message indicating that a cross-site script is blocked due to poor network connectivity.

5.

## 5.1 跟踪发往 microsoft.com 的数据包

```

Windows 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/powershell

PS D:\学习\git> tracert microsoft.com








通过最多 30 个跃点跟踪
到 microsoft.com [104.215.148.63] 的路由:

  0  1 ms      1 ms      1 ms      192.168.0.103
  1  2 ms      4 ms      5 ms      192.168.1.1
  2  20 ms     51 ms     28 ms     100.45.0.1
  3  12 ms      5 ms      8 ms      61.152.9.21
  4  10 ms      9 ms     11 ms     61.152.24.2
  5  23 ms     22 ms     26 ms     202.97.50.142
  6  7 ms       9 ms     11 ms     202.97.90.29
  7  94 ms     90 ms     94 ms     202.97.25.228
  8  45 ms     46 ms     46 ms     185.91.34.156
  9  50 ms     52 ms     49 ms     ae24-0.1cr01.hkg20.ntwk.asn.net [104.44.237.201]
 10  74 ms     72 ms     76 ms     be-100-0.1br01.hkg20.ntwk.asn.net [104.44.11.158]
 11  70 ms     *         *         be-0-0.1br01.rdg01.ntwk.asn.net [104.44.16.226]
 12  77 ms     74 ms     75 ms     ae102-0.1cr02.sgs3.ntwk.asn.net [104.44.20.2]
 13  *         *         *         *
 14  *         *         *         *
 15  *         *         *         *
 16  *         *         *         *
 17  *         *         *         *
 18  *         *         *         *
 19  *         *         *         *
 20  *         *         *         *
 21  *         *         *         *
 22  *         *         *         *
 23  *         *         *         *
 24  *         *         *         *
 25  *         *         *         *
 26  *         *         *         *
 27  *         *         *         *
 28  *         *         *         *
 29  *         *         *         *
 30  *         *         *         请求超时。

跟踪完成。
PS D:\学习\git>

```

## 5.2 利用 whois 查询 tencent.com 的相关信息

域名 <b>tencent.com</b> 的注册信息 	
以下信息获取时间: 2020-02-25 16:28:58	
获取最新信息	
<b>"tencent"还有商标</b> 可以注册, 为防止被他人占用, 建议立即注册进行保护! <a href="#">&gt;&gt;注册商标</a>	
所有者联系邮箱	请联系当前域名注册商获取 <a href="#">委托阿里云购买</a>
Registrant E-mail	
注册商	MarkMonitor, Inc.
Sponsoring Registrar	
注册日期	1998年09月14日
Registration Date(UTC)	
到期日期	2021年09月12日
Expiration Date(UTC)	
<div>2021年09月12日前, 域名可正常使用。请在2021年09月12日前及时续费延期。</div>	
域名状态	注册商设置禁止更新 (clientUpdateProhibited) 
Domain Status	(https://www.icann.org/epp#clientUpdateProhibited)
	注册商设置禁止转移 (clientTransferProhibited) 
	(https://www.icann.org/epp#clientTransferProhibited)
	注册商设置禁止删除 (clientDeleteProhibited) 
	(https://www.icann.org/epp#clientDeleteProhibited)
	注册局设置禁止更新 (serverUpdateProhibited) 
	(https://www.icann.org/epp#serverUpdateProhibited)
	注册局设置禁止转移 (serverTransferProhibited) 
	(https://www.icann.org/epp#serverTransferProhibited)
	注册局设置禁止删除 (serverDeleteProhibited) 
	(https://www.icann.org/epp#serverDeleteProhibited)
DNS服务器	DNS1: ns1.qq.com
Name Server	DNS2: ns4.qq.com
	DNS3: ns2.qq.com
	DNS4: ns3.qq.com