

接口测试技术

Fiddler初步

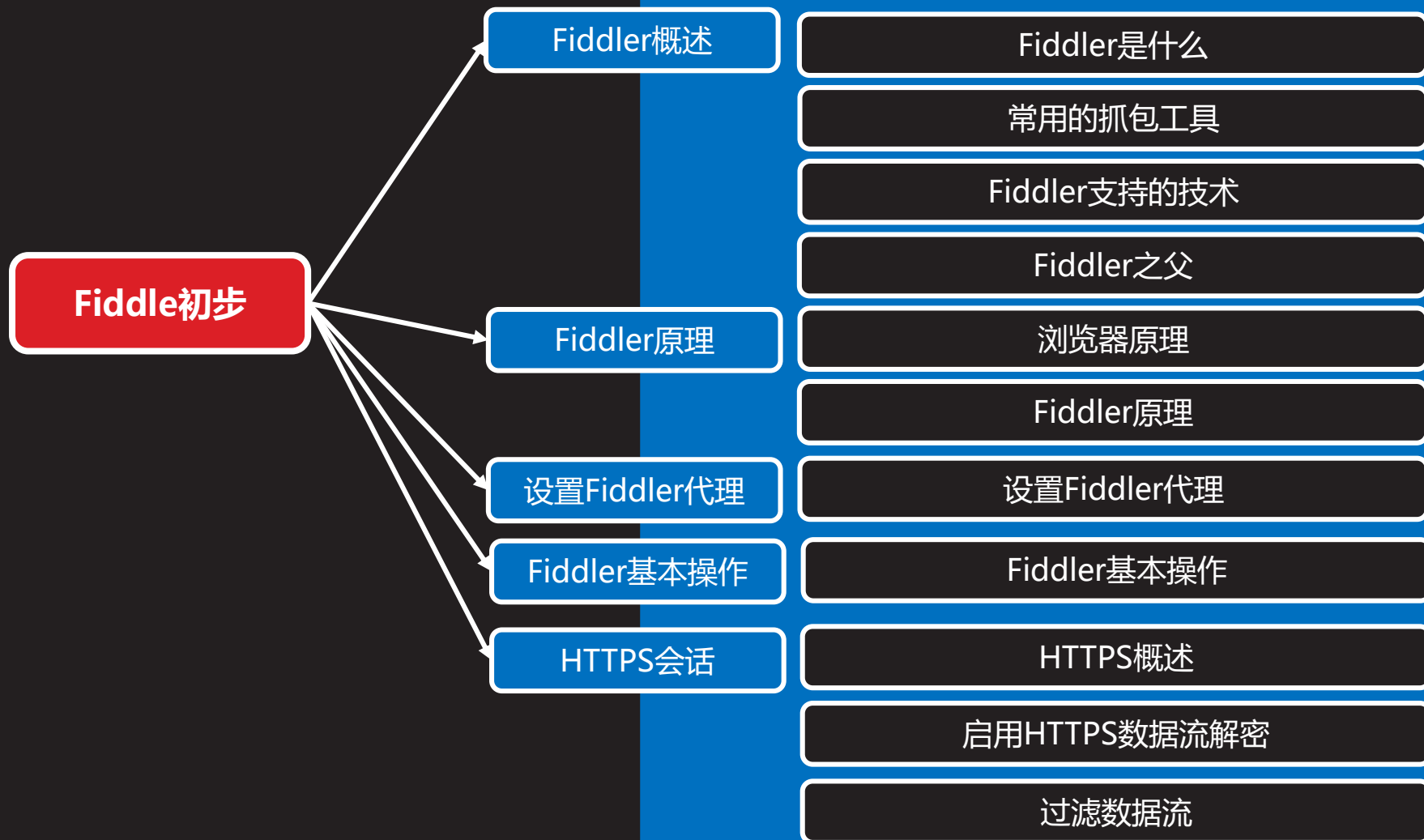
DAY05

内容

| | | |
|----|---------------|---------------|
| 上午 | 09:00 ~ 09:30 | 作业讲解和回顾 |
| | 09:30 ~ 10:20 | Fiddler初步 |
| | 10:30 ~ 11:20 | Web Session列表 |
| | 11:30 ~ 12:20 | |
| 下午 | 14:00 ~ 14:50 | 监控面板 |
| | 15:00 ~ 15:50 | |
| | 16:00 ~ 16:50 | |
| | 17:00 ~ 17:30 | 总结和答疑 |



Fiddler初步



Fiddler概述



Fiddler是什么

- Fiddler是什么？
 - Fiddler是最强大最好用的Web调试工具之一——用于网站抓包分析。
 - 它能够记录所有客户端和服务器的HTTP、HTTPS、FTP请求，可以对网络中传输的数据包进行截获、重发、编辑等操作，也可以用来检测流量。



常用的抓包工具

- httpwatch、sniffer、wireshark、charles.....
- 推荐网站——<http://www.itmop.com/key/zbgj/>

| | | |
|--|--|---|
|  httpwatchpro中文破解 ★★★★★ 41.4M 点击下载 <p>httpwatch中文版是一款功能强大的网页数据分析工具，httpwatchpro10破解版支持XP/win7/win8/win8.1系统，能够自动授权对网页数据进行分析。</p> |  抓包工具(Fiddler web) ★★★★★ 2.6M 点击下载 <p>fiddler4.6汉化版是一款简单却功能强大的基于JScript.NET事件脚本子系统，它的灵活性非常棒，可以支持众多的http测试任务，并且能够使用.net</p> |  迷你封包抓包器 ★★★★★ 50KB 点击下载 <p>MiniSniffer最经典的老版，功能使用，界面清晰，没有任何广告。一款小巧的网络抓包工具（嗅探器），可以捕获各种程序开启的网络连接数据。汉化</p> |
|  HTTP Analyzer Full ★★★★★ 8.5M 点击下载 <p>HTTPAnalyzerFullEdition是一款实时分析HTTP/HTTPS数据流的工具。它可以实时捕捉HTTP/HTTPS协议数据，可以显示许多信息（包括：文件头、内容</p> |  fiddler2汉化破解版 ★★★★★ 629KB 点击下载 <p>fiddler2汉化版是一款深受广大网友喜爱的HTTP数据抓包工具，其小巧实用，绿色免费，拥有超敏锐的HTTP数据抓包功能，实时记录和监督http请求</p> |  sniffer抓包工具 ★★★★★ 83.2M 点击下载 <p>snifferpro即sniffer抓包工具是一个功能强大的网络抓包和协议分析工具，它的功能非常强大且使用方便，此为中文版，使用更加方便。性能优越支</p> |
|  WildPackets ★★★★★ 107.3M 点击下载 <p>OmniPeek提供统一分析除错网络之管理介面，OmniPeek让网络之管理者能透过统一之介面同时分析多个网段之网络状况，更进而分析底层之网络状况</p> |  sniffer portable 4.9 ★★★★★ 61.0M 点击下载 <p>SnifferPortable是网管管理网络必备的一款应用工具，这可能是目前最好的网络协议分析软件了，支持各种平台，性能优越，管理人员可以轻松维护</p> |  sniffer portable破解 ★★★★★ 40.6M 点击下载 <p>snifferpro绿色版是一款专门为从事网络管理工作者使用的抓包工具，snifferpro有着强大的网络故障诊断分析功能，快速识别并修复网络，欢迎有</p> |
|  sniffer pro 4.7.5 绿 ★★★★★ 40.6M 点击下载 <p>SnifferPortablev4.7.5SP4零售版可能是目前最好的网络协议分析软件了，snifferpro中文破解版支持各种平台，性能优越，管理人员可以轻松维护</p> |  刀云抓包神器v3.8 安 ★★★★★ 1.3M 点击下载 <p>刀云免流抓包工具apk是一款手机版的系统工具，在这里用户能够快速抓取免费数据抓包，只要连入配置，操作非常简单哦，用户体验也是棒棒哒，喜</p> |  网络嗅探工具 ★★★★★ 12.2M 点击下载 <p>Ethereal抓包工具，在网管人员和开发人员中间非常流行的抓包工具，它可监听异常封包，检测软件封包问题，从网络上抓包，并且能对数据包进行</p> |
|  Sniffer Pro win7v5.0 ★★★★★ 37.4M 点击下载 <p>snifferproMAI公司出品的可能是目前最好的网络协议分析软件之一了，支持各种平台，性能优越，做为一套合格的网络管理员肯定需要有这么一套好</p> |  免ROOT抓包去广告破解 ★★★★★ 4.5M 点击下载 <p>PacketCapture免ROOT抓包破解版是一款数据捕获/SSL网络流量嗅探的应用程序，通过中间人方便调试加密流量，流量还区分应用一目了然，这大概</p> |  WinAirCrackPack工具 ★★★★★ 1.5M 点击下载 <p>WinAirCrackPack工具包是一款无线局域网扫描和密钥破解工具，主要包括airodump和aircrack等工具。它可以监视无线网络中传输的数据，收集数据</p> |
|  HTTP协议抓包分析工具 ★★★★★ 6.2M 点击下载 |  Wiresharkv2.2.1.0 汉 ★★★★★ 41.1M 点击下载 |  Wireshark(网络抓包工 ★★★★★ 24.7M 点击下载 |



Fiddler支持的技术

- Fiddler支持的技术

Any Browser



Telerik Fiddler web debugging proxy helps you record, inspect and debug traffic from any browser.

Any System



Debug web traffic from any Windows-based PC, Mac or Linux system and mobile devices alike.

Any Platform



Use Telerik Fiddler with any platform and language. Now supporting .NET Standard 2.0.

Fiddler之父

- Fiddler之父——Eric · Lawrence(艾瑞克·劳伦斯)：
 - Eric · Lawrence是Fiddler Web调试平台的创始人
 - 2001年毕业于美国马里兰大学帕克分校 (University of Maryland College Park) 软件工程专业
 - 1999年6月~2012年12月就职于微软公司，担任IE浏览器组的Program Manager
 - 2012 年 12月 ~ 2015 年 12 月任职Telerik公司
 - 2016年1月~至今任职于Google



Fiddler原理



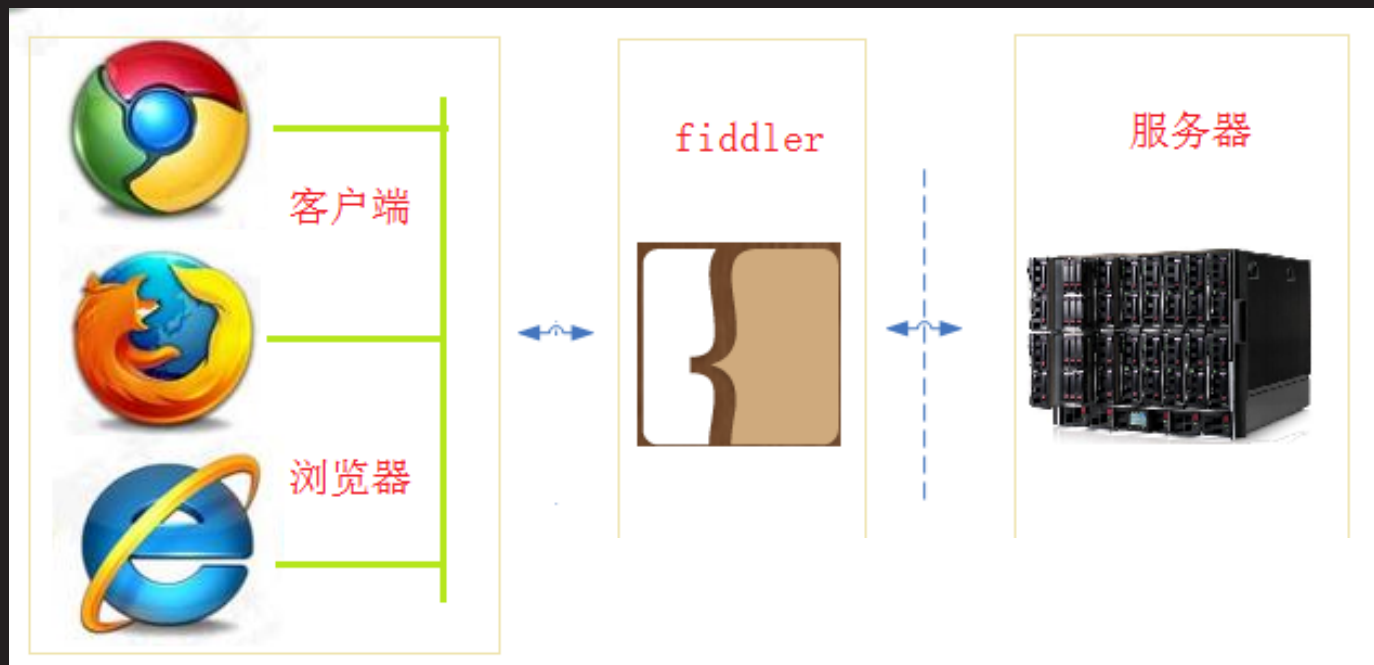
- 浏览器原理

- 当用户访问某个HTML文件时，浏览器首先获得该HTML文件，然后进行语法分析。如果这个HTML文件包含图片、视频等信息，浏览器会再次访问Web服务器，依次获取这些图像、视频文件，然后把HTML和图像、视频文件组织起来，显示在屏幕上。



Fiddler原理

- Fiddler的原理
 - Fiddler是以web代理服务器的形式进行工作的



Fiddler原理 (续1)



浏览器

Browser

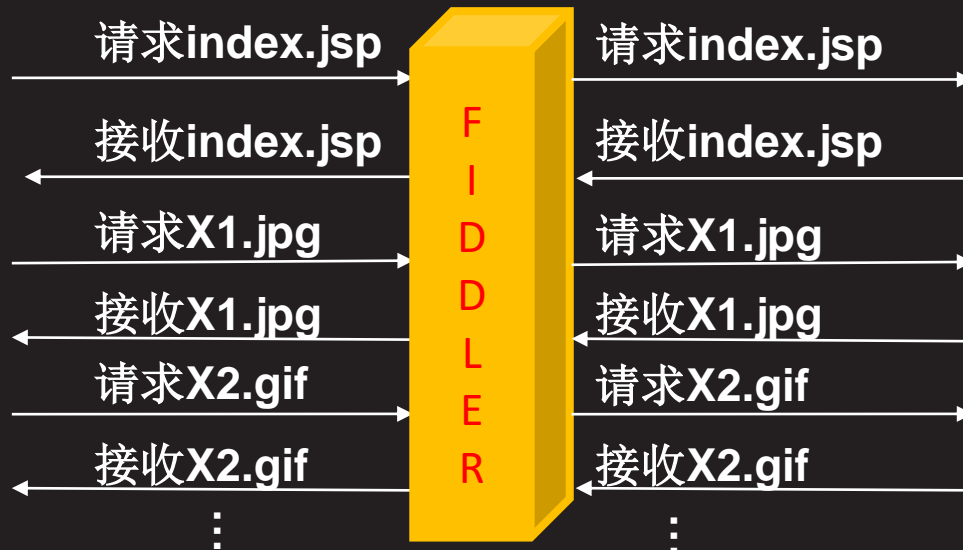


Web服务器
Server



浏览器

Browser



Web服务器
Server



Fiddler原理（续2）

- 生活中的代理——代购

知识讲解



客户



代购者
(代理服务器)



商店
(服务器)

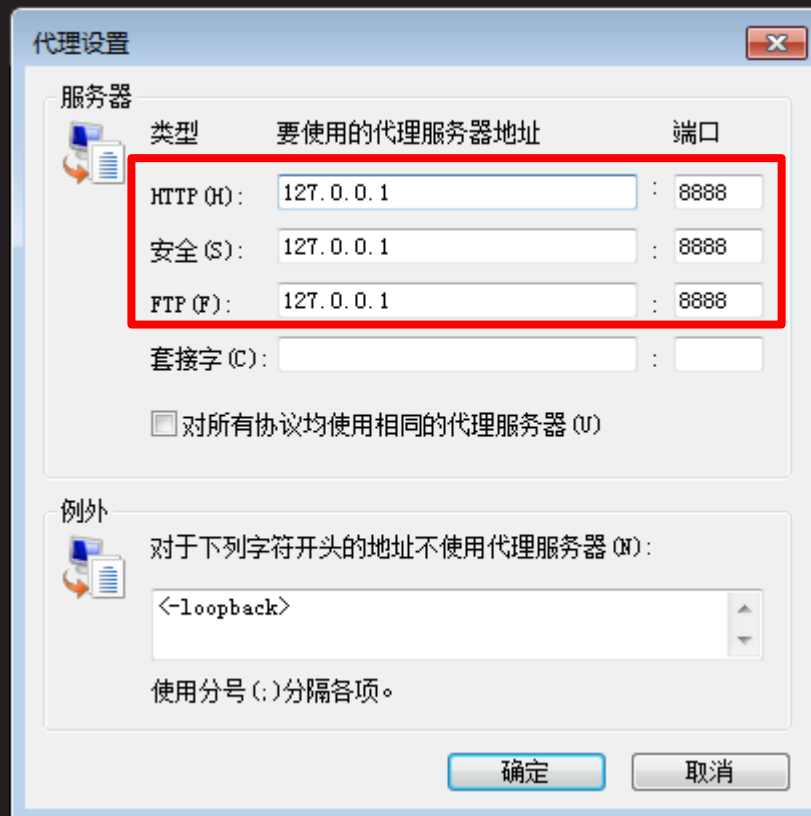


设置Fiddler代理



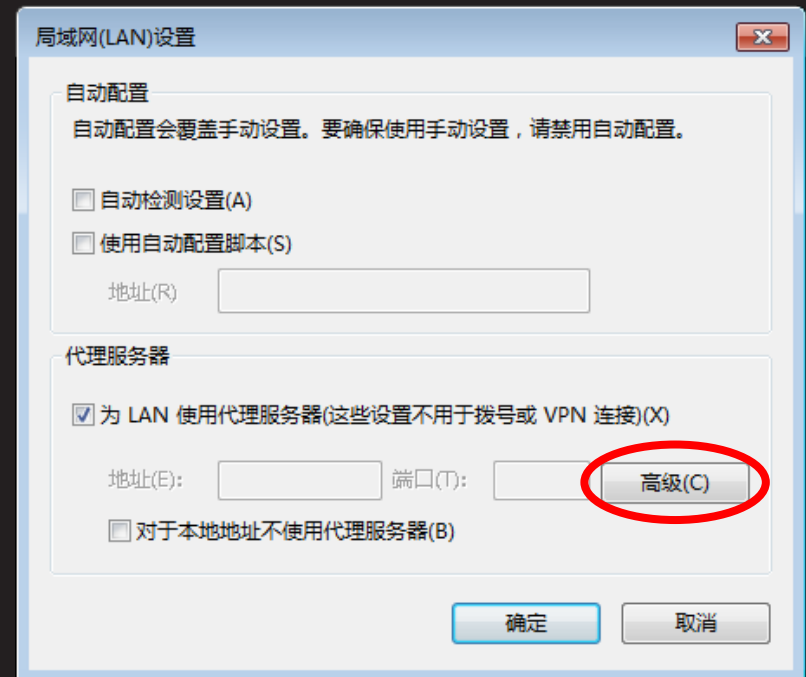
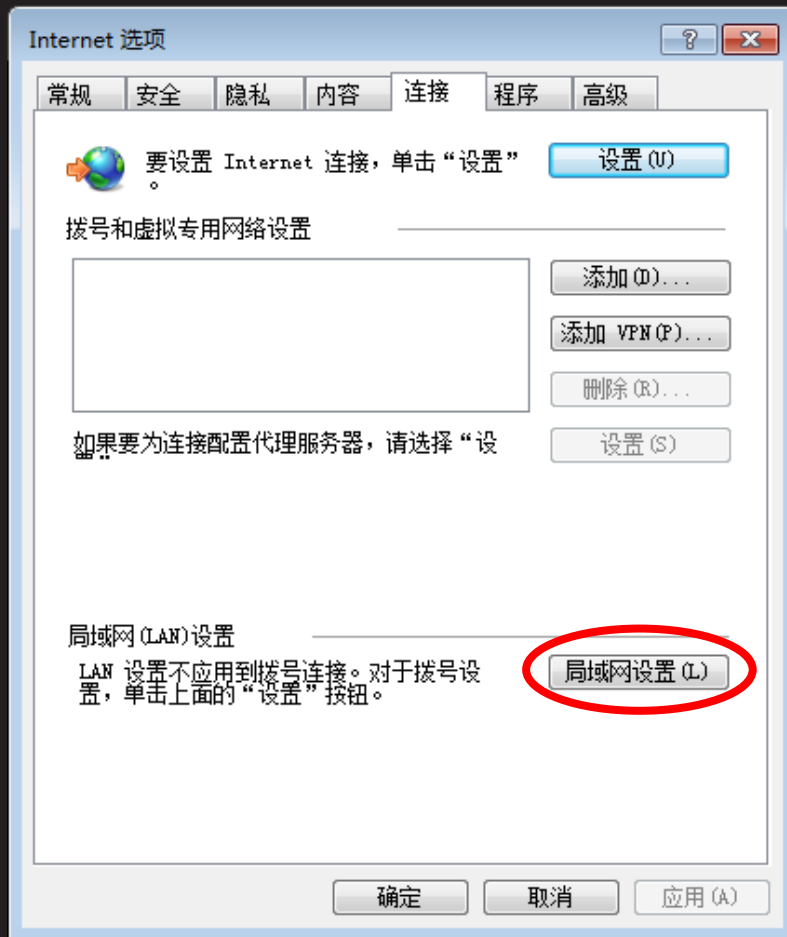
设置Fiddler代理

- 当Fiddler启动后，默认将IE的代理设为了127.0.0.1:8888
 - 代理地址是：127.0.0.1（本机）
 - 端口默认为8888



设置Fiddler代理（续1）

- 查看Fiddler代理的设置



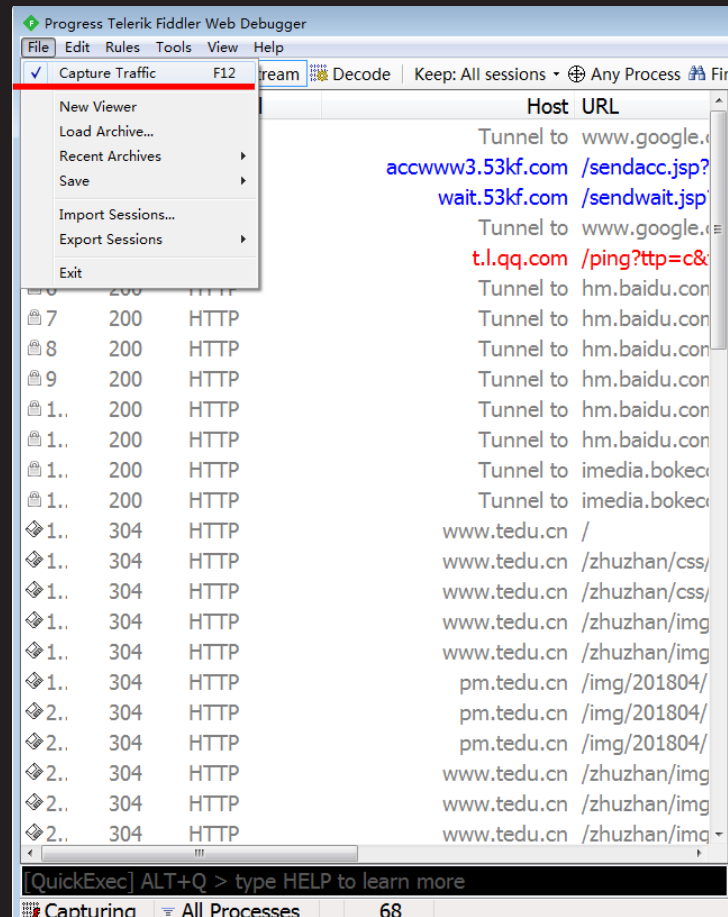
Fiddler基本操作



Fiddler基本操作

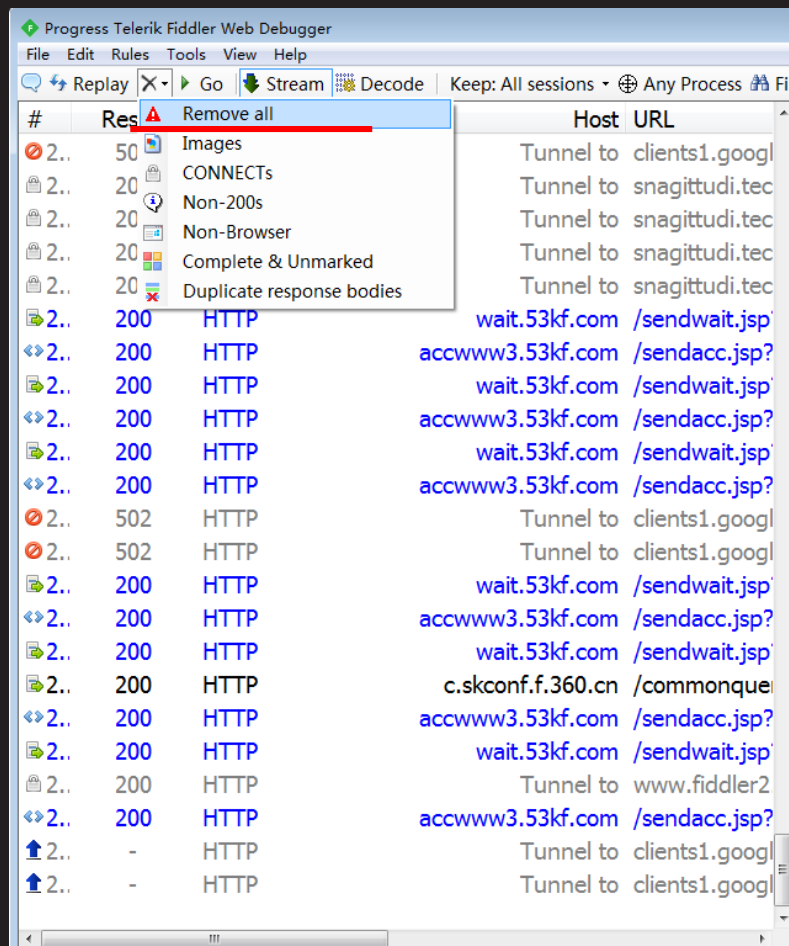
- 1、可以先停止捕获会话流

File->Capture Traffic (捕获会话流)



Fiddler基本操作（续1）

- 2、删除现有的会话信息
工具栏Remove all（删除所有）

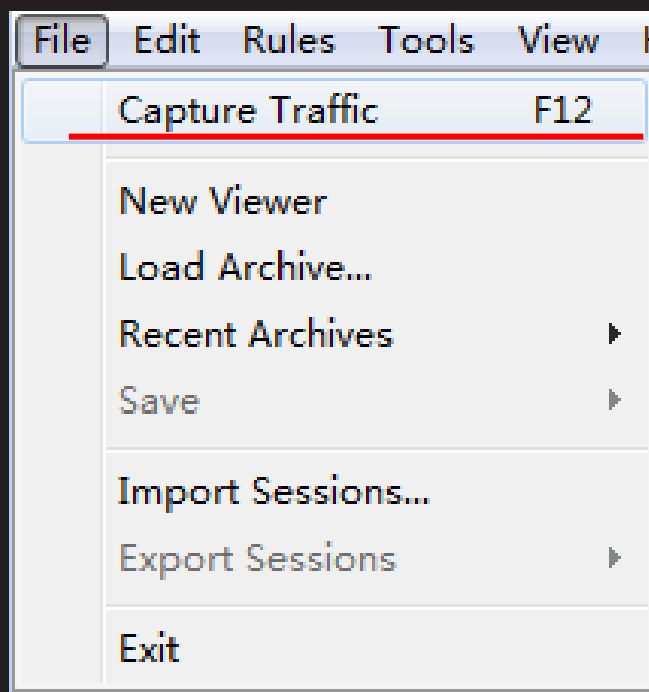


Fiddler基本操作（续2）

- 3、启动可以捕获会话流

File->Capture traffic

或者使用功能键F12



Fiddler基本操作（续3）

- 4、打开要测试的页面

如：www.tedu.cn



Fiddler基本操作（续4）

- 5、Fiddler会话列表中即可看到会话信息

The screenshot displays the Fiddler Web Debugger interface. The main pane shows a list of captured sessions with columns for #, Result, Protocol, Host, and URL. The right pane shows the details of the selected session (1.. 304 HTTP to www.tedu.cn /).

| # | Result | Protocol | Host | URL |
|-----|--------|----------|------------------------|----------------|
| 1.. | 304 | HTTP | www.tedu.cn | / |
| 1.. | 304 | HTTP | www.tedu.cn | /zhuzhan/css/ |
| 1.. | 304 | HTTP | www.tedu.cn | /zhuzhan/css/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | www.tedu.cn | /zhuzhan/img/ |
| 2.. | 304 | HTTP | pm.tedu.cn | /img/201804/ |
| 2.. | 304 | HTTP | pm.tedu.cn | /img/201804/ |
| 2.. | 304 | HTTP | pm.tedu.cn | /img/201804/ |
| 3.. | 200 | HTTP | c.skconf.f.360.cn | /commonque |
| 3.. | 200 | HTTP | Tunnel to imedia.bokec | |
| 3.. | 200 | HTTP | tb.53kf.com | /code/code/1 |
| 3.. | 504 | HTTP | t.l.qq.com | /ping?tp=o& |
| 3.. | 200 | HTTP | accwww.53kf.com | /sendacc.jsp? |
| 3.. | 200 | HTTP | www.53kf.com | /kf_new.php? |
| 3.. | 200 | HTTP | www.53kf.com | /kf_ivt_new.p |
| 3.. | 200 | HTTP | www.53kf.com | /webCompan |
| 3.. | 200 | HTTP | www.53kf.com | /iframe_fav.p |
| 3.. | 404 | HTTP | www.53kf.com | /style/chat/ne |
| 4.. | 200 | HTTP | www.53kf.com | /impl/rpc cus |

Statistics

Request Count: 1
 Bytes Sent: 1,129 (headers:1,129; body:0)
 Bytes Received: 241 (headers:241; body:0)

ACTUAL PERFORMANCE

ClientConnected: 10:52:38.497
 ClientBeginRequest: 10:52:38.498
 GotRequestHeaders: 10:52:38.498
 ClientDoneRequest: 10:52:38.498
 Determine Gateway: 0ms
 DNS Lookup: 0ms
 TCP/IP Connect: 16ms
 HTTPS Handshake: 0ms
 ServerConnected: 10:52:38.515
 FiddlerBeginRequest: 10:52:38.515
 ServerGotRequest: 10:52:38.515
 ServerBeginResponse: 10:52:38.534
 GotResponseHeaders: 10:52:38.534
 ServerDoneResponse: 10:52:38.534
 ClientBeginResponse: 10:52:38.534
 ClientDoneResponse: 10:52:38.534

Overall Elapsed: 0:00:00.036

RESPONSE BYTES (by Content-Type)

~headers~: 241



捕获HTTPS会话



HTTPS概述

- 遇到的问题
 - 当在Fiddler上访问HTTPS网站时，默认情况下看到的内容较少，得不到期望的请求和响应列表，可以看到一个或多个CONNECT通道（Tunnel）

| # | Result | Proto... | Host | URL | Body | Ca... | Cont |
|---|--------|----------|------------------|----------------------------|------|--------|-------|
| 1 | 200 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isB... | 528 | pri... | text/ |
| 2 | 502 | HTTP | Tunnel to | clients4.google.com:443 | 582 | no... | text/ |
| 3 | 200 | HTTP | 106.11.42.152 | /amdc/mobileDispatch?... | 656 | no... | appli |
| 4 | 502 | HTTP | Tunnel to | www.google.com:443 | 582 | no... | text/ |
| 5 | 502 | HTTP | Tunnel to | www.google.com:443 | 582 | no... | text/ |
| 6 | 502 | HTTP | Tunnel to | www.google.com:443 | 582 | no... | text/ |
| 7 | 200 | HTTP | Tunnel to | snagittudi.techsmith.co... | 0 | | |
| 8 | 200 | HTTP | Tunnel to | snagittudi.techsmith.co... | 0 | | |
| 9 | 200 | HTTP | 106.11.42.152 | /amdc/mobileDispatch?... | 656 | no... | appli |



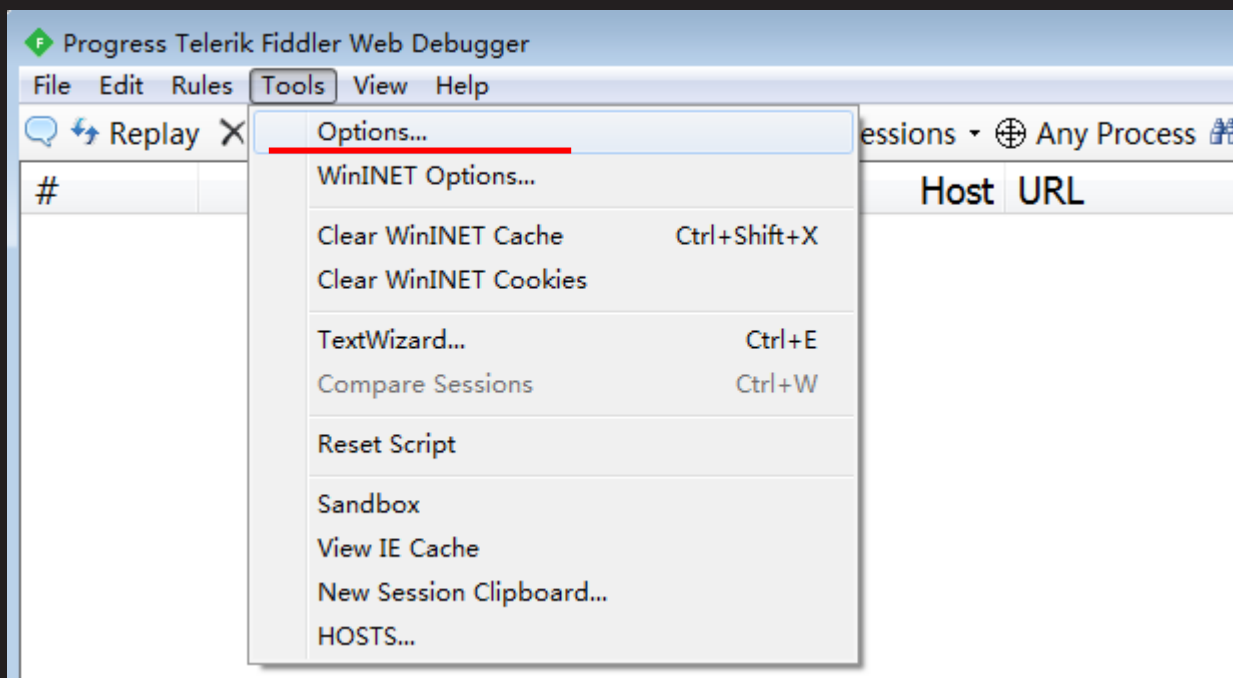
HTTPS概述

- HTTPS概述
 - HTTPS (Hyper Text Transfer Protocol over Secure Socket Layer) , 全称为安全的套接字层超文本传输协议。HTTPS是以安全为目标的HTTP通道, 简单讲是HTTP的安全版。
 - HTTPS协议是在HTTPS请求和底层的TCP/IP网络连接之间添加了一层加密的 (SSL或TLS) 连接, 请求在该加密的连接上发送。由于使用了加密的协议, 可以防止网络中间件或观察者查看或修改HTTP数据流



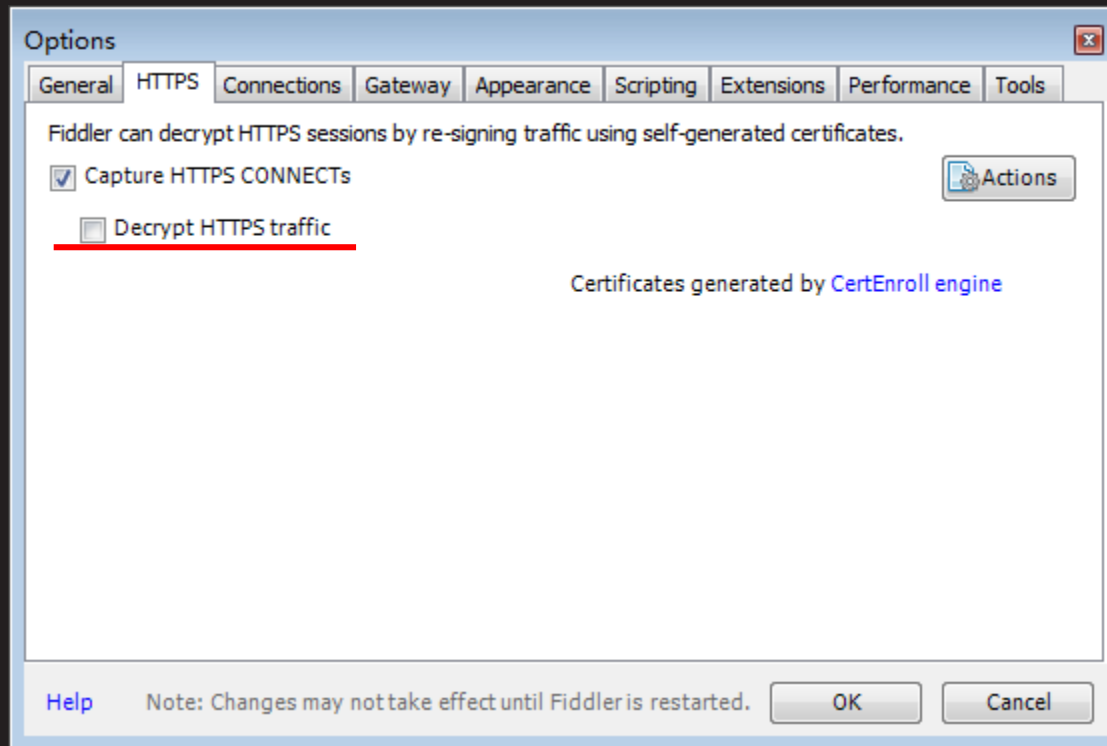
启用HTTPS数据流解密

- 使用Fiddler对HTTPS会话进行抓包，进行如下设置：
 - Tools (工具) -> Options... (选项)



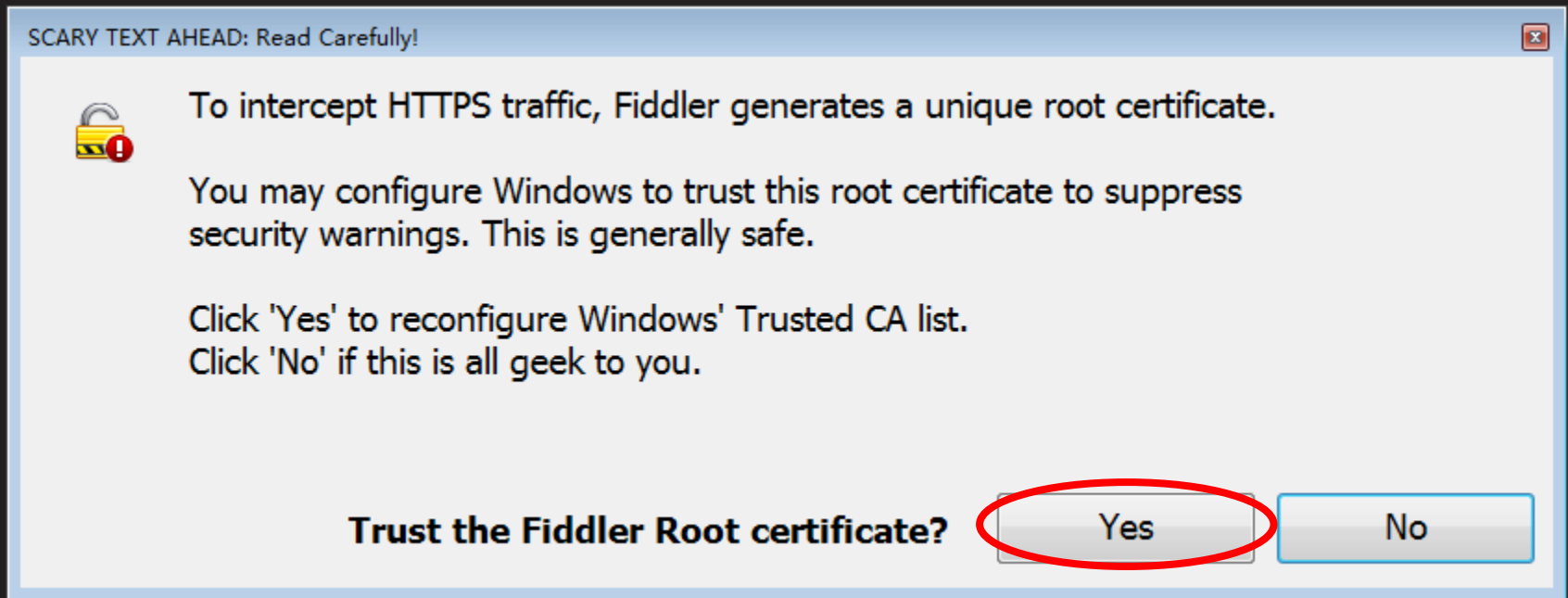
启用HTTPS数据流解密（续1）

- 在“Options”窗口中的“HTTPS”选项卡中，勾选“Decrypt HTTPS traffic”（解密HTTPS数据流）



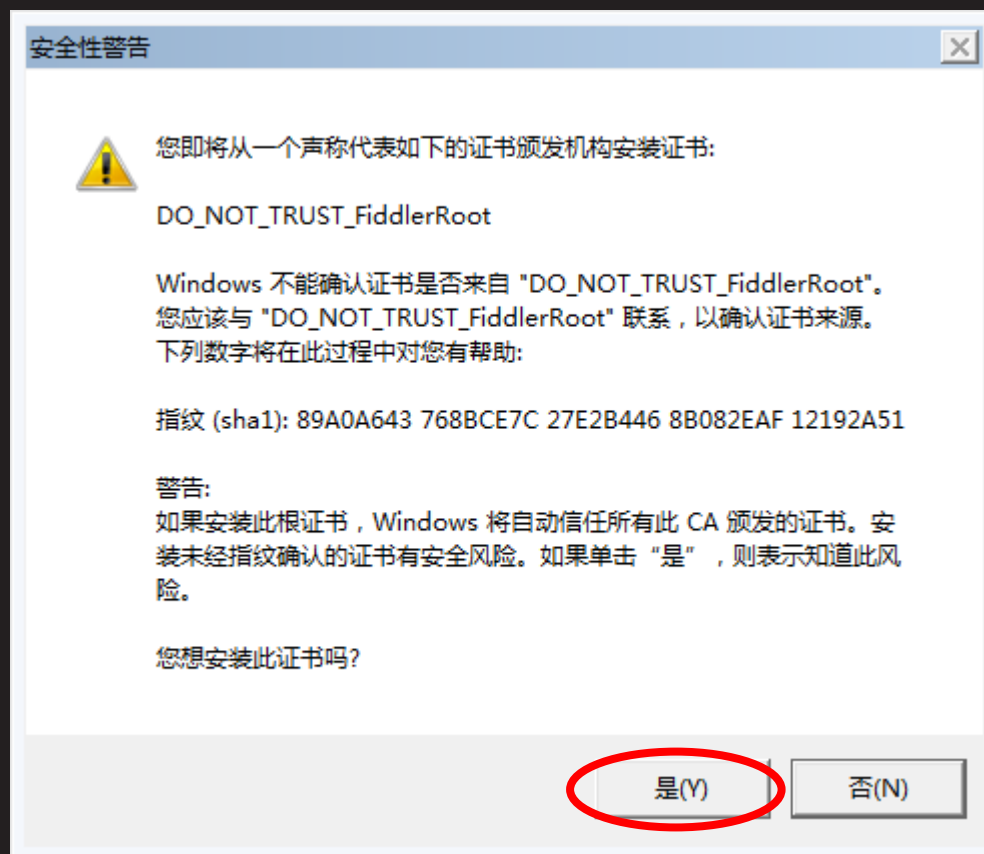
启用HTTPS数据流解密（续2）

- 弹出提示框，提示：为了拦截HTTPS数据流，Fiddler 要生成一个唯一的根证书，是否生成？



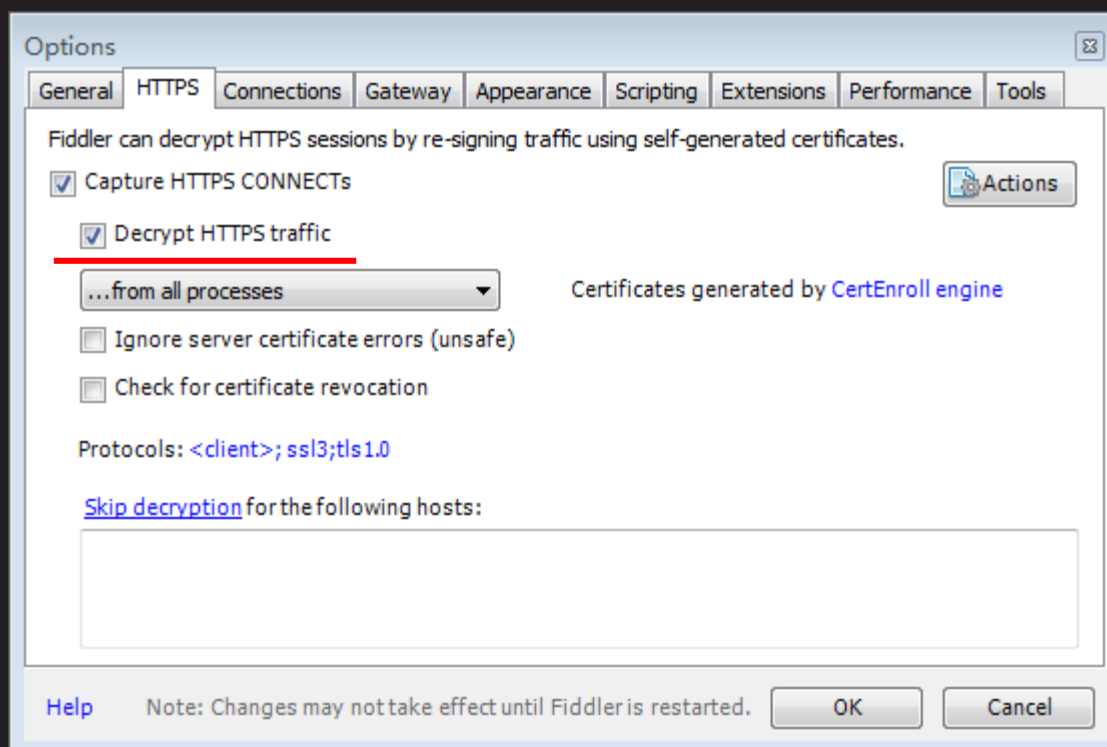
启用HTTPS数据流解密（续3）

- 弹出安全警告提示，点击“是”



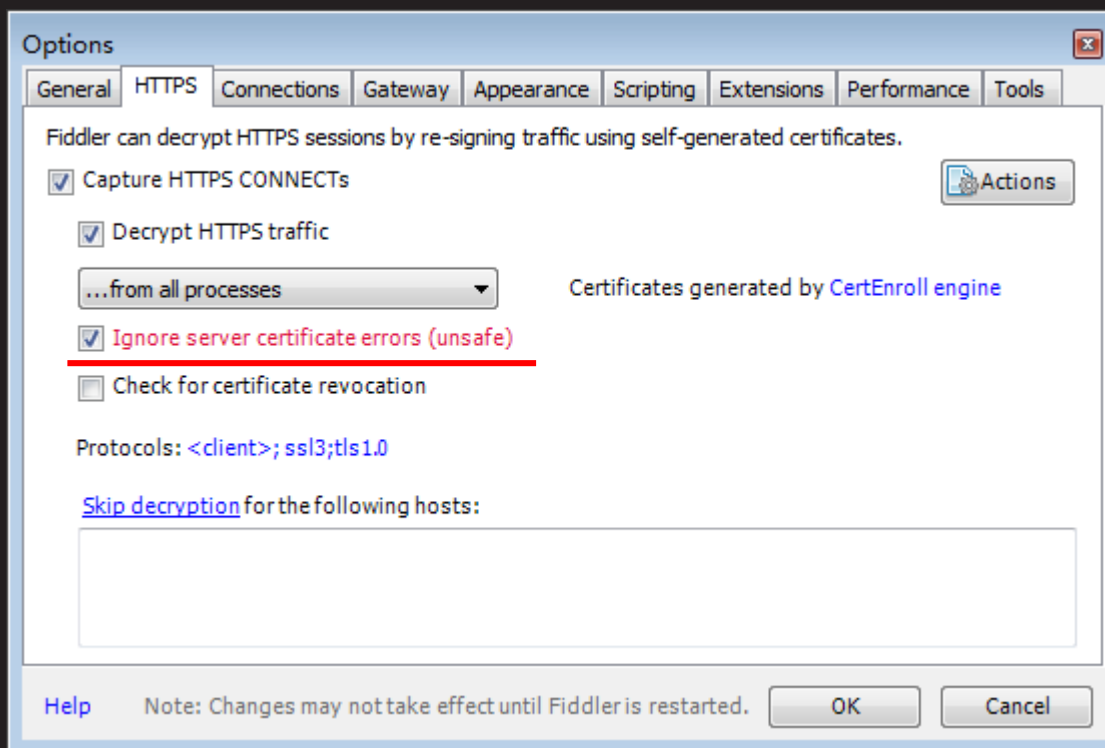
启用HTTPS数据流解密（续4）

- 勾选 “Decrypt HTTPS traffic” 成功



启用HTTPS数据流解密（续5）

- 再勾选 “Ignore server certificate error (unsafe) ”
（忽略服务器认证错误（不安全））



启用HTTPS数据流解密（续6）

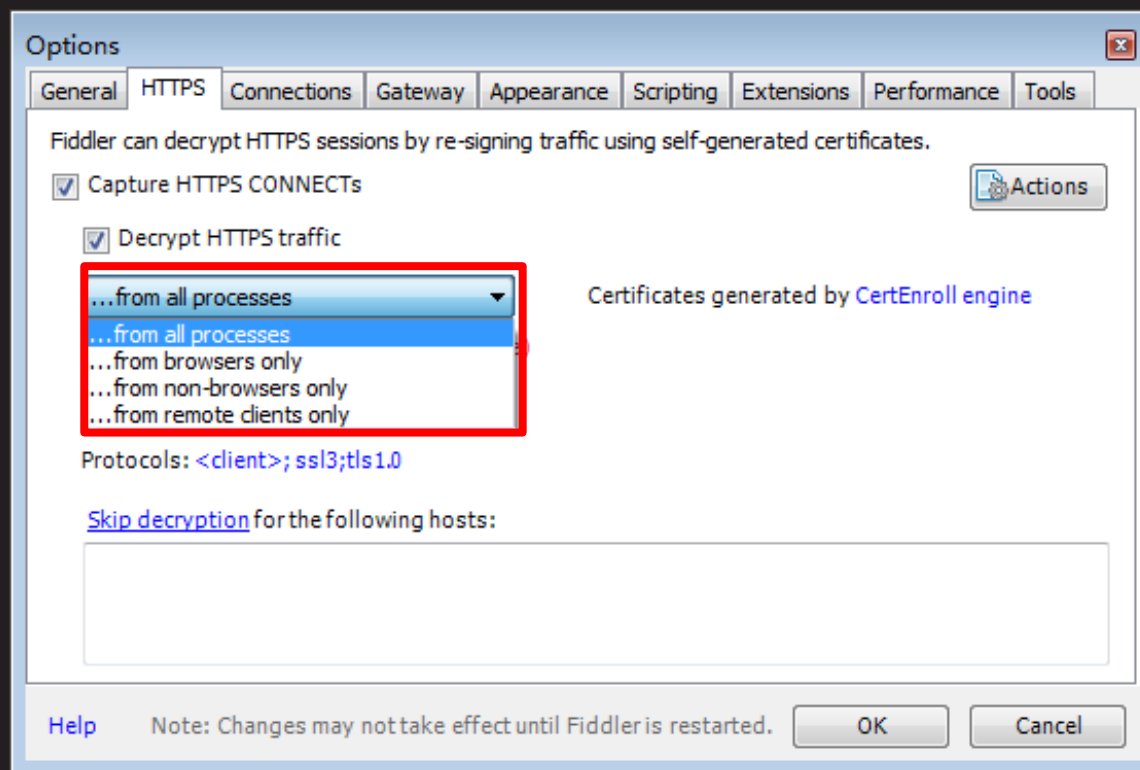
– 访问HTTPS页面时，可以看到HTTPS协议会话

| # | Result | Protocol | Host | URL |
|----|--------|----------|-----------------------|----------------------------|
| 1 | 502 | HTTP | Tunnel to | snagittudi.techsmith.co... |
| 2 | 200 | HTTP | Tunnel to | sp0.baidu.com:443 |
| 3 | 200 | HTTPS | sp0.baidu.com | /5bU_dTmfKgQFm2e88... |
| 4 | 200 | HTTP | Tunnel to | www.baidu.com:443 |
| 5 | 200 | HTTPS | www.baidu.com | /baidu.php?url=0s0000... |
| 6 | 200 | HTTP | Tunnel to | click.aliyun.com:443 |
| 7 | 302 | HTTPS | click.aliyun.com | /se/1512885/ |
| 8 | 200 | HTTP | Tunnel to | click.alibabacloud.com:... |
| 9 | 302 | HTTPS | click.alibabacloud... | /se/1512885?step=finish |
| 10 | 200 | HTTP | Tunnel to | gw.alicdn.com:443 |
| 11 | 200 | HTTP | Tunnel to | www.googleadservices.... |
| 12 | 200 | HTTP | Tunnel to | stats.ipinyou.com:443 |
| 13 | 200 | HTTP | Tunnel to | data.aliyun.com:443 |
| 14 | 200 | HTTP | Tunnel to | data.aliyun.com:443 |
| 15 | 200 | HTTPS | data.aliyun.com | /?spm=5176.7968328.7... |
| 16 | 200 | HTTP | Tunnel to | yqfile.alicdn.com:443 |
| 17 | 200 | HTTPS | yqfile.alicdn.com | /67132f3eecd3e00149... |
| 18 | - | HTTP | Tunnel to | clients1.google.com:443 |
| 19 | 200 | HTTP | Tunnel to | imgoacdn.aliyuncs.com... |
| 20 | 200 | HTTP | Tunnel to | imgoacdn.aliyuncs.com... |
| 21 | 200 | HTTPS | imgoacdn.aliyunc... | /Y2pnNXcxeW90MDAx... |
| 22 | 200 | HTTPS | imgoacdn.aliyunc... | /Y2ozdjR4N3Q4MDAxd... |
| 23 | - | HTTP | Tunnel to | clients1.google.com:443 |
| 24 | - | HTTP | Tunnel to | clients1.google.com:443 |



过滤数据流

- 为了避免Fiddler解析不感兴趣的数据流，可以进行设置



过滤数据流（续1）

- 各选项含义：
 - from all processes : 解析来自所有进程的HTTPS数据流
 - from browsers only : 只解析来自浏览器的HTTPS数据流
 - from browsers only : 只解析来自浏览器的HTTPS数据流
 - from non-browsers only : 只解析来自非浏览器的HTTPS数据流
 - from remote clients only : 只解析来自远程客户端的HTTPS数据流



Web Session列表

Fiddler用户界面

Web Session列表

Web Session列表

Fiddler用户界面

Web Sessions列表

#列

Result

Protocol

HOST

URL

Body

Caching

Content-Type

Process

Comments

Custom

自定义列

列表颜色

Fiddler用户界面



Fiddler用户界面

• Fiddler用户界面

工具栏

会话列表

监控面板

状态栏

The screenshot displays the Fiddler Web Debugger interface. The top menu bar includes File, Edit, Rules, Tools, View, and Help. Below it is a toolbar with various icons for actions like Replay, Go, Stream, Decode, and Find. The main window is divided into three panes:

- Session List (Left Pane):** A table listing intercepted sessions. The columns are #, Result, Protocol, Host, and URL. The list shows various HTTP requests to hosts like www.fiddler2.com, server.duomiuo.com, and static.duomiuo.com.
- Statistics and Performance (Right Pane):** This pane is split into two sections. The top section shows 'Request Count: 1', 'Bytes Sent: 395', and 'Bytes Received: 4,400'. The bottom section, titled 'ACTUAL PERFORMANCE', shows a detailed timeline of events from 15:13:37.954 to 15:13:38.067, including ClientConnected, ClientBeginRequest, GotRequestHeaders, ClientDoneRequest, Determine Gateway, DNS Lookup, TCP/IP Connect, and ServerConnected. It also shows 'Overall Elapsed: 0:00:00.113'.
- Response Bytes (Bottom Right):** A section titled 'RESPONSE BYTES (by Content-Type)' showing 'application/javascript: 4,036' and '~headers~: 364'.

The status bar at the bottom indicates 'Capturing' is on, 'All Processes' are shown, and the current URL is 'http://static.duomiuo.com/task/pdc_b2b_contacts.js?rand=1522739617941'.

Web Session列表

Web Session列表

- Web Session(Web会话)列表
 - 显示Fiddler所捕获到的每个Session (会话) 的简短摘要信息

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type | Process | Comments | Custom | |
|----|--------|----------|-----------------------|-------------------------------|-------|-----------|-----------------|-----------|----------|--------|--|
| 1 | 200 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isBet... | 528 | private | text/plain; ... | | | | |
| 4 | 200 | HTTP | server.duominuo.com | /server/config | 4,624 | | application/... | netpub... | | | |
| 5 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... | 4,086 | max-ag... | application/... | netpub... | | | |
| 6 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... | 3,395 | max-ag... | application/... | netpub... | | | |
| 7 | 200 | HTTP | static.duominuo.com | /task/pdc_b2b_contacts.j... | 4,036 | max-ag... | application/... | netpub... | | | |
| 8 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... | 4,086 | max-ag... | application/... | netpub... | | | |
| 9 | 200 | HTTP | static.duominuo.com | /task/pdc_beian.js?rand=... | 1,828 | max-ag... | application/... | netpub... | | | |
| 10 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... | 3,395 | max-ag... | application/... | netpub... | | | |
| 11 | 200 | HTTP | static.duominuo.com | /task/pdc_creditchina.js?r... | 2,301 | max-ag... | application/... | netpub... | | | |
| 12 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... | 4,086 | max-ag... | application/... | netpub... | | | |
| 13 | 200 | HTTP | static.duominuo.com | /task/pdc_cpws.js?rand=... | 4,700 | max-ag... | application/... | netpub... | | | |
| 14 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... | 3,395 | max-ag... | application/... | netpub... | | | |
| 15 | 200 | HTTP | server.zuiyou.com:... | /gettime | 31 | | text/json;c... | netpub... | | | |
| 16 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=be... | 325 | | application/... | netpub... | | | |
| 17 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=cr... | 366 | | application/... | netpub... | | | |
| 18 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=b2... | 244 | | application/... | netpub... | | | |
| 19 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=cp... | 0 | | text/html; c... | netpub... | | | |
| 22 | 200 | HTTP | www.creditchina.go... | /api/credit_info_search?k... | 135 | | application/... | netpub... | | | |











Web Session列表 (续1)

- Web Session列表主要包括：
 - # : 会话编号
 - Result : 结果
 - Protocol : 协议
 - Host : 主机
 - URL : 统一资源定位
 - Body : 主体
 - Caching : 缓存
 - Content-Type : 内容类型
 - Process : 进程
 - Comments : 注释
 - Custom : 自定义



#列

- 1、#列
 - 图标+ID号






| # | Result | Protocol | Host | URL |
|---|--------|----------|------------------|----------------------------|
|  1 | 200 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isBet... |
|  2 | 200 | HTTP | Tunnel to | pb.sogou.com:443 |
|  3 | 200 | HTTP | Tunnel to | www.sogou.com:443 |
|  4 | 200 | HTTP | Tunnel to | img04.sogoucdn.com:443 |
|  5 | 200 | HTTP | Tunnel to | pb.sogou.com:443 |
|  6 | 200 | HTTP | Tunnel to | pb.sogou.com:443 |
|  7 | 200 | HTTP | Tunnel to | pb.sogou.com:443 |
|  8 | 200 | HTTP | Tunnel to | pb.sogou.com:443 |

- 图标表示该会话的含义，ID号是Fiddler自动生成的会话ID

#列（续1）

– Web Session图标及其含义

（1）请求/响应类

| 图标 | 含义 |
|---|--|
|  | 客户端正在向服务器发送请求 |
|  | 客户端正在从服务器下载响应 |
|  | 客户端使用CONNECT方法进行请求，使用该方法构建传送加密的HTTPS数据流通道 |
|  | 客户端使用POST方法向服务器发送数据 |
|  | 客户端使用的是HEAD或OPTIONS方法，或者返回HTTP/204状态码。 通过HEAD方法和OPTIONS方法，客户端无需下载内容就可以获取目标URL或服务器的信息。HTTP/204状态码表示没有指定URL的响应体 |

#列（续2）

– Web Session图标及其含义（续）







（2）会话类型

| 图标 | 含义 |
|---|-------------------|
|  | 响应的是图像文件 |
|  | 响应的是XML文件 |
|  | 响应的是JSON文件 |
|  | 响应的是JS脚本文件 |
|  | 响应的是CSS文件 |
|  | 响应的是Flash小应用程序 |
|  | 响应的是视频文件 |
|  | 响应的是没有专用图标的其他内容类型 |

#列（续3）












– Web Session图标及其含义（续）

（3）其他

| 图标 | 含义 |
|---|---|
|  | 响应的是HTTP/401或HTTP/407，要求客户端进行认证；或响应HTTP/403，表示访问被拒绝 |
|  | 响应包含HTTP/4xx或HTTP/5xx错误状态码 |
|  | 响应的是HTTP/3xx类重定向 |
|  | 该响应属于HTTP/206响应类型，该响应通常在客户端对目标URL执行Range请求获取部分内容时发生 |
|  | 响应状态是HTTP/304，表示客户端缓存的副本已经是最新的了 |
|  | Session被客户端应用、Fiddler或服务器中止。客户端的浏览器在下载一个页面的过程中，用户导航到另一个页面时，通常会发生这种情况。客户端浏览器取消所有正在处理的请求，因此最后Session的响应状态是Aborted |

Result

- 2、Result (结果)
 - HTTP响应状态码，用于判断结果是成功、失败或者其他情况

| # | Result | Protocol | Host | URL |
|---|--------|----------|---------------------|---------------------------|
|  10323 | 200 | HTTP | Tunnel to | ss0.baidu.com:443 |
|  10324 | 200 | HTTP | Tunnel to | ss0.baidu.com:443 |
|  10325 | 200 | HTTP | Tunnel to | ss0.baidu.com:443 |
|  10326 | 521 | HTTP | www.gsxt.gov.cn | /corp-query-search-1.html |
|  10327 | 200 | HTTP | Tunnel to | sp1.baidu.com:443 |
|  10328 | 200 | HTTP | Tunnel to | sp1.baidu.com:443 |
|  10329 | 200 | HTTP | Tunnel to | ss1.baidu.com:443 |
|  10330 | 200 | HTTP | Tunnel to | ss1.baidu.com:443 |
|  10331 | 200 | HTTP | Tunnel to | sp3.baidu.com:443 |
|  10332 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack |
|  10333 | 400 | HTTP | www.gsxt.gov.cn | /corp-query-search-1.html |

Protocol

- Protocol (协议)
 - 该Session (会话) 使用的协议 (HTTP/HTTPS/FTP)
 - HTTP :
HyperText Transfer Protocol , 超文本传输协议
 - HTTPS :
HyperText Transfer Protocol over Secure Socket Layer , 安全版的HTTP
 - FTP :
File Transfer Protocol , 文件传输协议

| # | Result | Protocol | Host | URL |
|---|--------|----------|------------------------|------------------------------|
| 1 | 200 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isBet... |
| 2 | 502 | HTTP | Tunnel to | clients4.google.com:443 |
| 3 | 200 | HTTP | miserupdate.aliyun.com | /data/2.4.1.6/brfversion.... |
| 4 | 200 | HTTP | miserupdate.aliyun.com | /data/brf2.dat_20180404... |



Host

- Host (主机)
 - 接收请求的服务器的主机名 (或域名) 和端口号

| # | Result | Protocol | Host | URL | Body |
|--------|--------|----------|-------------|-----------------------------|--------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 |
| css 23 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/main.css | 7,689 |
| css 24 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/idangerous.... | 1,048 |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-course.... | 319 |
| css 26 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/media-queri... | 4,377 |

URL

- URL
 - Uniform Resource Locator , 统一资源定位符
 - 是对可以从互联网上得到的资源的位置和访问方法的一种简洁、统一的表示, 是互联网上标准资源的地址。互联网上的每个文件都有一个唯一的URL, 它包含的信息指出文件的位置或者浏览器应该怎么处理它

| # | Result | Protocol | Host | URL | Body |
|---------|--------|----------|-------------|-----------------------------------|---------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 |
| css{ 23 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/main.css | 7,689 |
| css{ 24 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/dangerous.swiper.css | 1,048 |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-course.png | 319 |
| css{ 26 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/media-queries.css | 4,377 |
| 27 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/logo.png | 7,294 |
| 28 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-center.png | 1,481 |
| 29 | 200 | HTTP | www.tedu.cn | /img/201803/1519968147114.jpg | 594,588 |
| js 30 | 200 | HTTP | www.tedu.cn | /zhuzhan/js/sou.js | 2,382 |
| 31 | 200 | HTTP | www.tedu.cn | /img/201803/1522227865317.jpg | 193,424 |
| 32 | 200 | HTTP | www.tedu.cn | /img/201801/1516583179496.jpg | 218,404 |
| 33 | 200 | HTTP | www.tedu.cn | /img/201803/1520403394794.jpg | 197,395 |
| 34 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/title-jt.png | 1,179 |

Body

- Body (主体)
 - 响应体中包含的字节数

| # | Result | Protocol | Host | URL | Body |
|---------|--------|----------|-------------|------------------------------------|---------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 |
| css{ 23 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/main.css | 7,689 |
| css{ 24 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/idangerous.swiper.css | 1,048 |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-course.png | 319 |
| css{ 26 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/media-queries.css | 4,377 |
| 27 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/logo.png | 7,294 |
| 28 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-center.png | 1,481 |
| 29 | 200 | HTTP | www.tedu.cn | /img/201803/1519968147114.jpg | 594,588 |
| js 30 | 200 | HTTP | www.tedu.cn | /zhuzhan/js/sou.js | 2,382 |
| 31 | 200 | HTTP | www.tedu.cn | /img/201803/1522227865317.jpg | 193,424 |
| 32 | 200 | HTTP | www.tedu.cn | /img/201801/1516583179496.jpg | 218,404 |
| 33 | 200 | HTTP | www.tedu.cn | /img/201803/1520403394794.jpg | 197,395 |
| 34 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/title-jt.png | 1,179 |

1Byte=8bit

1KB=1024B , 1MB=1024KB , 1GB=1024MB

1TB=1024GB , 1PB=1024TB , 1EB=1024PB

Caching

- Caching (缓存)
 - HTTP消息头中Expires (过期时间) 和Cache-Control (缓冲控制) 字段的值

| # | Result | Protocol | Host | URL | Body | Caching |
|----|--------|----------|----------------------|---------------------------------|-------|---|
| 1 | 502 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isBeta=... | 582 | no-cache, must-revalidate |
| 2 | 200 | HTTP | Tunnel to | mobile.pipe.aria.microsoft.c... | 0 | |
| 3 | 200 | HTTP | Tunnel to | mobile.pipe.aria.microsoft.c... | 0 | |
| 4 | 502 | HTTP | Tunnel to | clients1.google.com:443 | 582 | no-cache, must-revalidate |
| 5 | 200 | HTTP | Tunnel to | wup.brower.qq.com:443 | 0 | |
| 6 | 200 | HTTP | Tunnel to | wup.brower.qq.com:443 | 0 | |
| 7 | 200 | HTTP | se.360.cn | /cloud/picinfo.ini | 2,176 | max-age=300; Expires: Wed, 04 Apr 2018 03:11:18 GMT |
| 18 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.t&action=o... | 109 | private; Expires: Wed, 04 Apr 2018 04:07:14 GMT |
| 19 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.te&action=op... | 89 | private; Expires: Wed, 04 Apr 2018 04:07:14 GMT |
| 20 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.ted&action=o... | 14 | private; Expires: Wed, 04 Apr 2018 04:07:14 GMT |
| 21 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.tedu&action=... | 15 | private; Expires: Wed, 04 Apr 2018 04:07:14 GMT |



Caching (续1)

- Expires : 过期时间。响应头中包含日期/时间，即在此时候之后，响应过期

格式：Expires : Wed , 04 Apr 2018 03:11:18 GMT

如果在前面加上max-age指令，则Expires被忽略

- Cache-Control : 缓冲控制

消息头中通过指定指令来实现缓存机制

private : 响应只能被单个用户缓存，不能作为共享缓存（即代理服务器不能缓存）

max-age : 缓存最大存储时间（单位：秒），超过该时间，缓存过期

must-revalidate : 缓存必须在使用之前验证旧资源的状态，并且不可使用过期资源

no-store : 不使用缓存

no-cache : 在释放缓存副本之前，强制高速缓存将请求提交给原始服务器进行验证。



Content-Type

- Content-Type (内容类型)
 - HTTP响应中的内容类型，一般是指网页中存在的Content-Type属性，用于定义网络文件的类型和网页的编码，决定文件接收方将以什么形式、什么编码读取这个文件

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type |
|----|--------|----------|----------------------|--------------------------------|---------|--------------------------------|--------------------------------|
| 7 | 200 | HTTP | se.360.cn | /cloud/picinfo.ini | 2,176 | max-age=300; Expires: We... | application/octet-stream |
| 18 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.t&action=o... | 109 | private; Expires: Wed, 04 A... | text/javascript; charset=UTF-8 |
| 19 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.te&action=op... | 89 | private; Expires: Wed, 04 A... | text/javascript; charset=UTF-8 |
| 20 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.ted&action=o... | 14 | private; Expires: Wed, 04 A... | text/javascript; charset=UTF-8 |
| 21 | 200 | HTTP | suggestion.baidu.com | /su?wd=www.tedu&action=... | 15 | private; Expires: Wed, 04 A... | text/javascript; charset=UTF-8 |
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 | | text/html |
| 23 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/main.css | 7,689 | | text/css |
| 24 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/idangerous.sw... | 1,048 | | text/css |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-course.png | 319 | | image/png |
| 26 | 200 | HTTP | www.tedu.cn | /zhuzhan/css/media-queries.... | 4,377 | | text/css |
| 27 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/logo.png | 7,294 | | image/png |
| 28 | 200 | HTTP | www.tedu.cn | /zhuzhan/img/btn-center.png | 1,481 | | image/png |
| 29 | 200 | HTTP | www.tedu.cn | /img/201803/151996814711... | 594,588 | | image/jpeg |
| 30 | 200 | HTTP | www.tedu.cn | /zhuzhan/js/sou.js | 2,382 | | application/x-javascript |
| 31 | 200 | HTTP | www.tedu.cn | /img/201803/152222786531... | 193,424 | | image/jpeg |
| 32 | 200 | HTTP | www.tedu.cn | /img/201801/151658317949... | 218,404 | | image/jpeg |



Content-Type (续1)

– 主要Content-Type (内容类型)

```
text/plain
text/html
image/jpeg
image/png
audio/mpeg
audio/ogg
audio/*
video/mp4
application/*
application/json
application/javascript
application/ecmascript
application/octet-stream
...
```



Content-Type (续2)

– 文件类型和Content-Type对应

| Type | Description | Example of typical subtypes |
|-------------|--|--|
| text | Represents any document that contains text and is theoretically human readable | text/plain, text/html, text/css, text/javascript |
| image | Represents any kind of images. Videos are not included, though animated images (like animated gif) are described with an image type. | image/gif, image/png, image/jpeg, image/bmp, image/webp |
| audio | Represents any kind of audio files | audio/midi, audio/mpeg, audio/webm, audio/ogg, audio/wav |
| video | Represents any kind of video files | video/webm, video/ogg |
| application | Represents any kind of binary data. | application/octet-stream, application/pkcs12, application/vnd.ms-powerpoint, application/xhtml+xml, application/xml, application/pdf |



Process

- Process (进程)
 - 数据流对应的本地Windows中的进程和进程编号

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type | Process |
|----------|--------|----------|-------------|----------------|---------|---------|--------------------------|-----------------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 | | text/html | iexplore: 13184 |
| css { 23 | 200 | HTTP | www.tedu.cn | /zhuzhan/c... | 7,689 | | text/css | iexplore: 13184 |
| css { 24 | 200 | HTTP | www.tedu.cn | /zhuzhan/c... | 1,048 | | text/css | iexplore: 13184 |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzhan/i... | 319 | | image/png | iexplore: 13184 |
| css { 26 | 200 | HTTP | www.tedu.cn | /zhuzhan/c... | 4,377 | | text/css | iexplore: 13184 |
| 27 | 200 | HTTP | www.tedu.cn | /zhuzhan/i... | 7,294 | | image/png | iexplore: 13184 |
| 28 | 200 | HTTP | www.tedu.cn | /zhuzhan/i... | 1,481 | | image/png | iexplore: 13184 |
| 29 | 200 | HTTP | www.tedu.cn | /img/20180... | 594,588 | | image/jpeg | iexplore: 13184 |
| js 30 | 200 | HTTP | www.tedu.cn | /zhuzhan/js... | 2,382 | | application/x-javascript | iexplore: 13184 |
| 31 | 200 | HTTP | www.tedu.cn | /img/20180... | 193,424 | | image/jpeg | iexplore: 13184 |
| 32 | 200 | HTTP | www.tedu.cn | /img/20180... | 218,404 | | image/jpeg | iexplore: 13184 |



Comments

- Comments (注释)
 - 用户自行添加的注释信息

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type | Process | Comments |
|----|--------|----------|-------------|-----|--------|---------|--------------|-----------------|----------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 | | text/html | iexplore: 13184 | 访问达内官网首页 |

方法

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type | Process | Comments | Custom |
|----|--------|----------|-------------|------------|---------|---------|--------------------------|-----------------|----------|--------|
| 22 | 200 | HTTP | www.tedu.cn | / | 42,751 | | text/html | iexplore: 13184 | | |
| 23 | 200 | HTTP | www.tedu.cn | /zhuzh... | 7,689 | | text/css | iexplore: 13184 | | |
| 24 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,048 | | text/css | iexplore: 13184 | | |
| 25 | 200 | HTTP | www.tedu.cn | /zhuzh... | 319 | | image/png | iexplore: 13184 | | |
| 26 | 200 | HTTP | www.tedu.cn | /zhuzh... | 4,377 | | text/css | iexplore: 13184 | | |
| 27 | 200 | HTTP | www.tedu.cn | /zhuzh... | 7,294 | | image/png | iexplore: 13184 | | |
| 28 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,481 | | image/png | iexplore: 13184 | | |
| 29 | 200 | HTTP | www.tedu.cn | /img/20... | 594,588 | | image/jpeg | iexplore: 13184 | | |
| 30 | 200 | HTTP | www.tedu.cn | /zhuzh... | 2,382 | | application/x-javascript | iexplore: 13184 | | |
| 31 | 200 | HTTP | www.tedu.cn | /img/20... | 193,424 | | image/jpeg | iexplore: 13184 | | |
| 32 | 200 | HTTP | www.tedu.cn | /img/20... | 218,404 | | image/jpeg | iexplore: 13184 | | |
| 33 | 200 | HTTP | www.tedu.cn | /img/20... | 197,395 | | image/jpeg | iexplore: 13184 | | |
| 34 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,179 | | image/png | iexplore: 13184 | | |
| 35 | 200 | HTTP | bj.tedu.cn | /img/20... | 238,285 | | image/jpeg | iexplore: 13184 | | |
| 36 | 200 | HTTP | sh.tedu.cn | /img/20... | 232,403 | | image/jpeg | iexplore: 13184 | | |
| 37 | 200 | HTTP | Tunnel to | urs.mic... | 0 | | | iexplore: 13184 | | |
| 38 | 200 | HTTP | gz.tedu.cn | /img/20... | 211,873 | | image/jpeg | iexplore: 13184 | | |
| 39 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,312 | | image/png | iexplore: 13184 | | |
| 40 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,320 | | image/png | iexplore: 13184 | | |
| 41 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,191 | | image/png | iexplore: 13184 | | |
| 42 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,200 | | image/png | iexplore: 13184 | | |
| 43 | 200 | HTTP | www.tedu.cn | /zhuzh... | 786 | | image/png | iexplore: 13184 | | |
| 44 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,186 | | image/png | iexplore: 13184 | | |
| 45 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,461 | | image/png | iexplore: 13184 | | |
| 46 | 200 | HTTP | www.tedu.cn | /zhuzh... | 1,556 | | image/png | iexplore: 13184 | | |

| | |
|-------------------------------------|-------------------------|
| Decode Selected Sessions | |
| <input checked="" type="checkbox"/> | AutoScroll Session List |
| Copy | ▶ |
| Save | ▶ |
| Remove | ▶ |
| Filter Now | ▶ |
| Comment... | M |
| Mark | ▶ |
| Replay | ▶ |
| Select | ▶ |
| Compare | Ctrl+W |
| COMETPeek | |
| Abort Session | |
| Clone Response | |
| Unlock For Editing | F2 |
| Inspect in New Window... | Shift+Enter |
| Properties... | Alt+Enter |

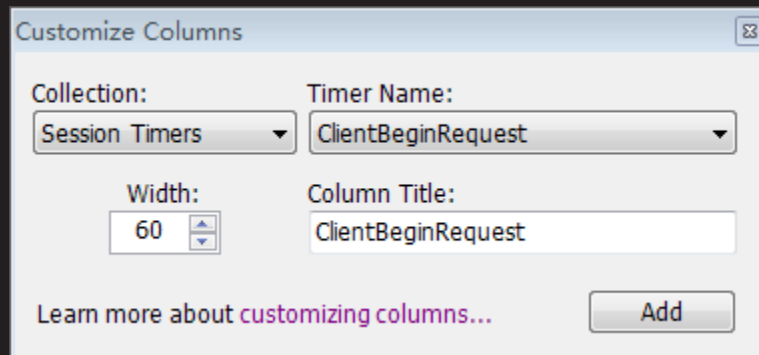
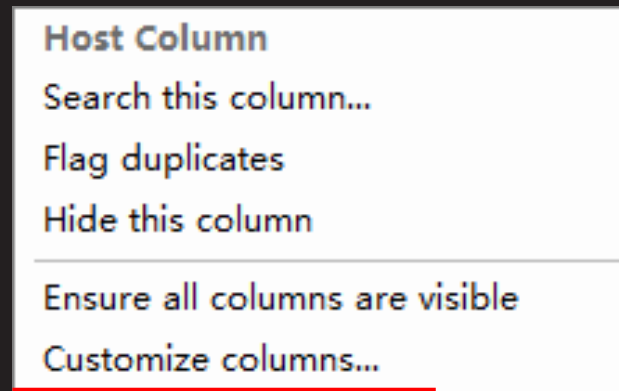
Custom

- Custom (自定义)
 - 通过FiddlerScript (Fiddler脚本) 设置自定义列 , 可以自己定义值



自定义列

- 自定义列
 - Customize columns... (自定义列)



自定义列（续1）

- 隐藏列

Host Column

Search this column...

Flag duplicates

Hide this column

Ensure all columns are visible































Customize columns...

- 调整列的顺序
 - 直接拖拽列名



列表颜色

- Web Sessions列表不同颜色的含义
 - Web Sessions列表中的每行记录的默认文本色彩体现了HTTP状态、数据流类型、响应类型

| # | Result | Protocol | Host | URL | Body | Caching | Content-Type | Process |
|---|--------|----------|----------------------|--------------------------------|--------|-----------|-----------------|------------|
|  576 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/bulls.jpg | 8,046 | max-ag... | image/jpeg | iexplor... |
|  577 | 200 | HTTP | i2.itc.cn | /20151026/361c_f8b89b9... | 8,353 | max-ag... | image/jpeg | iexplor... |
|  578 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/rockets.jpg | 3,617 | max-ag... | image/jpeg | iexplor... |
|  579 | 502 | HTTP | i0.itc.cn | /20151026/361c_f8b89b9... | 582 | no-cac... | text/html; c... | iexplor... |
|  580 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/heat.jpg | 6,249 | max-ag... | image/jpeg | iexplor... |
|  581 | 200 | HTTP | i3.itc.cn | /20151026/361c_f8b89b9... | 12,365 | max-ag... | image/jpeg | iexplor... |
|  582 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/knicks.jpg | 8,408 | max-ag... | image/jpeg | iexplor... |
|  583 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/magic.jpg | 8,573 | max-ag... | image/jpeg | iexplor... |
|  584 | 200 | HTTP | i3.itc.cn | /20151026/361c_f8b89b9... | 10,747 | max-ag... | image/jpeg | iexplor... |
|  585 | 200 | HTTP | i1.itc.cn | /20131017/2f7b_3b5281f... | 4,318 | max-ag... | image/jpeg | iexplor... |
|  586 | 200 | HTTP | sports.sohu.com | /upload/nbalogo/cavaliers... | 6,603 | max-ag... | image/jpeg | iexplor... |
|  587 | 200 | HTTP | i3.itc.cn | /20151026/361c_f8b89b9... | 8,856 | max-ag... | image/jpeg | iexplor... |
|  588 | 200 | HTTP | i0.itc.cn | /20170303/366b_04cb47... | 923 | max-ag... | image/png | iexplor... |
|  589 | 200 | HTTP | i0.itc.cn | /20170327/366b_4668e3... | 1,214 | max-ag... | image/png | iexplor... |
|  590 | 200 | HTTP | i.go.sohu.com | /count/av?source=0&new... | 44 | | text/html; c... | iexplor... |
|  591 | 200 | HTTP | imp.ad-plus.cn | /201111/ee4f7cebb2ef82... | 43 | no-cache | image/gif | iexplor... |
|  592 | 200 | HTTP | imp.ad-plus.cn | /201803/30c4c79d8431f8... | 43 | no-cache | image/gif | iexplor... |
|  593 | 200 | HTTP | imp.ad-plus.cn | /201803/d3f619f7ecd52a... | 43 | no-cache | image/gif | iexplor... |
|  594 | 200 | HTTP | imp.ad-plus.cn | /201803/5430537126556... | 43 | no-cache | image/gif | iexplor... |
|  595 | 200 | HTTP | imp.ad-plus.cn | /201803/2dfe89fac22f32... | 43 | no-cache | image/gif | iexplor... |
|  596 | 200 | HTTP | v2.sohu.com | /public-api/articles/pv?&ca... | 177 | max-ag... | application/... | iexplor... |
|  597 | 200 | HTTP | hqm.stock.sohu.com | /getqjson?code=zs_0000... | 377 | | text/html | iexplor... |
|  598 | 200 | HTTP | adv-sv-show.focus.cn | /be_fox_say?callback=j... | 1,342 | | application/... | iexplor... |
|  599 | 200 | HTTP | m1.auto.itc.cn | /sohuphome/right_hotmo... | 1,452 | max-ag... | application/... | iexplor... |
|  600 | 200 | HTTP | s.go.sohu.com | /adgtr/?callback=jQuery1... | 82 | | text/json; c... | iexplor... |
|  601 | 200 | HTTP | adv-sv-stat.focus.cn | /adv/producer/sendLog?t... | 0 | | | iexplor... |
|  602 | 200 | HTTP | s.go.sohu.com | /adgtr/?callback=jQuery1... | 1,832 | | text/json; c... | iexplor... |
|  603 | 200 | HTTP | images.sohu.com | /bill/s2018/passion/passio... | 11,422 | max-ag... | application/... | iexplor... |
|  604 | 200 | HTTP | pv.sohu.com | /pv.gif?t=152280912071... | 0 | | application/... | iexplor... |
|  605 | 200 | HTTP | s.go.sohu.com | /adgtr/?callback=jQuery1... | 1,841 | | text/json; c... | iexplor... |











列表颜色（续1）

- HTTP状态
 - 红色表示错误

▲ 579 502 HTTP i0.itc.cn /20151026/361c_f8b89b9... 582 no-cac... text/html; c... iexplor...



- 黄色表示认证

- 数据流类型
 - 灰色表示CONNECT（连接）



| | | | | | | | | | |
|---|-----|-----|------|---------------------|-----------------------------|--------|-----------|------------|------------|
|  | 480 | 200 | HTTP | t3.focus-img.cn | /sh320x213sh/bet/res/22... | 75,457 | max-ag... | image/jpeg | iexplor... |
|  | 481 | 200 | HTTP | t1.focus-img.cn | /sh155x103sh/bet/res/80... | 27,283 | max-ag... | image/jpeg | iexplor... |
|  | 482 | 200 | HTTP | t3.focus-img.cn | /sh155x103sh/bet/res/2ff... | 28,845 | max-ag... | image/jpeg | iexplor... |
|  | 483 | 200 | HTTP | d1.biz.itc.cn | /q/zs/001/000001/index_... | 4,115 | max-ag... | image/png | iexplor... |
|  | 484 | 200 | HTTP | d1.biz.itc.cn | /q/zs/001/399001/index_... | 4,572 | max-ag... | image/png | iexplor... |
|  | 485 | 200 | HTTP | d1.biz.itc.cn | /q/zs/006/399006/index_... | 5,005 | max-ag... | image/png | iexplor... |
|  | 486 | 200 | HTTP | 643108e7617ef.cd... | /fe7745f224e34ade9a660... | 18,044 | max-ag... | image/jpeg | iexplor... |
|  | 487 | 200 | HTTP | 643108e7617ef.cd... | /a15ebddf14f5441790816... | 20,194 | max-ag... | image/jpeg | iexplor... |
|  | 488 | 200 | HTTP | 643108e7617ef.cd... | /49d5223114724dc58e07... | 27,828 | max-ag... | image/jpeg | iexplor... |
|  | 489 | 200 | HTTP | 643108e7617ef.cd... | /274a4479b2d946aa9413... | 30,581 | max-ag... | image/gif | iexplor... |

列表颜色（续2）



- 响应类型
 - 蓝色表示HTML

| | | | | | | | | |
|---|-----|-----|------|---------------|----------------------------|----|-----------------|------------|
|  | 500 | 200 | HTTP | i.go.sohu.com | /count/v?source=0&newsi... | 44 | text/html; c... | iexplor... |
|  | 501 | 200 | HTTP | i.go.sohu.com | /count/v?source=0&newsi... | 44 | text/html; c... | iexplor... |


- 灰色表示图像

| | | | | | | | | | |
|---|-----|-----|------|---------------------|---------------------------|--------|-----------|------------|------------|
|  | 487 | 200 | HTTP | 643108e7617ef.cd... | /a15ebddf14f5441790816... | 20,194 | max-ag... | image/jpeg | iexplor... |
|  | 488 | 200 | HTTP | 643108e7617ef.cd... | /49d5223114724dc58e07... | 27,828 | max-ag... | image/jpeg | iexplor... |


- 绿色表示script

| | | | | | | | | | |
|---|-----|-----|------|-------------|-------------------------------|--------|-----------|-----------------|------------|
|  | 467 | 200 | HTTP | v2.sohu.com | /public-api/feed?scene=C... | 39,868 | max-ag... | application/... | iexplor... |
|  | 468 | 200 | HTTP | v2.sohu.com | /public-api/starsRank?call... | 4,037 | max-ag... | application/... | iexplor... |

- 紫色表示CSS

| | | | | | | | | | |
|---|-----|-----|------|----------------|------------------------------|-------|-----------|----------|----------------|
|  | 361 | 200 | HTTP | www.3.53kf.com | /css/code.css | 805 | max-ag... | text/css | iexplore:13184 |
|  | 362 | 200 | HTTP | www.3.53kf.com | /js/new2017/kindeditor/th... | 3,625 | max-ag... | text/css | iexplore:13184 |

- 黑色表示JSON或其他类型

| | | | | | | | | | |
|---|-----|-----|-------|---------------|--------------|--------|--|--|--|
|  | 326 | 200 | HTTPS | www.baidu.com | /home/pcw... | 19,696 | | | |
|---|-----|-----|-------|---------------|--------------|--------|--|--|--|

监控面板

监控面板

监控面板概述

Statistics选项卡

Inspectors选项卡

Composer选项卡

Log选项卡

Client Pipe Map模式

Server Pipe Map模式

单个Session统计

多个Session统计

Inspector选项卡

请求信息

响应信息

Composer选项卡

Log选项卡

复制日志

发送日志到会话列表

保存日志为文件

清除日志

搜索日志

监控面板概述



监控面板概述

- 监控面板界面：

Progress Telerik Fiddler Web Debugger

File Edit Rules Tools View Help

Replay X Go Stream Decode Keep: All sessions Any Process Find Save Browse Clear Cache TextWizard Tearoff MSDN Search... Online

| # | Result | Protocol | Host | URL |
|-----|--------|----------|-----------------------|-------------------------------|
| 1 | 200 | HTTPS | www.fiddler2.com | /UpdateCheck.aspx?isBet... |
| 4 | 200 | HTTP | server.duominuo.com | /server/config |
| 5 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... |
| 6 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... |
| 7 | 200 | HTTP | static.duominuo.com | /task/pdc_b2b_contacts.j... |
| 8 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... |
| 9 | 200 | HTTP | static.duominuo.com | /task/pdc_beian.js?rand=... |
| 10 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... |
| 11 | 200 | HTTP | static.duominuo.com | /task/pdc_creditchina.js?r... |
| 12 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos_sw... |
| 13 | 200 | HTTP | static.duominuo.com | /task/pdc_cpws.js?rand=... |
| 14 | 200 | HTTP | static.duominuo.com | /task/bd_search_pos.js?r... |
| 15 | 200 | HTTP | server.zuiyou.com:... | /gettime |
| 16 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=be... |
| 17 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=cr... |
| 18 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=b2... |
| 19 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=cp... |
| 22 | 200 | HTTP | www.creditchina.go... | /api/credit_info_search?k... |
| 23 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack |
| 24 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack |
| 29 | 200 | HTTP | server.zuiyou.com:... | ?charset=utf-8&name=d... |
| 32 | 200 | HTTP | server.zuiyou.com:... | ?charset=utf-8&name=d... |
| 35 | 200 | HTTP | server.zuiyou.com:... | ?charset=utf-8&name=d... |
| 36 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack |
| 37 | 200 | HTTP | pdc.weimao.com:9901 | /client/com/hack?type=b2... |
| 92 | 200 | HTTP | m.1688.com | / |
| 102 | 302 | HTTP | m.1688.com | /page/search.html?type=... |
| 103 | 200 | HTTP | m.1688.com | /gongsi_search-B5A5CFD... |
| 118 | 403 | HTTP | caigou.makepolo.com | /scw.php?q=%E5%8D%... |
| 128 | 200 | HTTP | m.atobo.com.cn | /images/searchBtn.png |
| 137 | 302 | HTTP | m.atobo.com.cn | /Search/ |
| 138 | 200 | HTTP | m.atobo.com.cn | /Company/s-k64876553/ |
| 139 | 200 | HTTP | m.atobo.com.cn | /images/searchBtn.png |
| 155 | 200 | HTTP | new258snapshot.o... | ?fileapi15227396584715 |

[QuickExec] ALT+Q > type HELP to learn more

Capturing All Processes 1 / 12,770 http://static.duominuo.com/task/pdc_b2b_contacts.js?rand=1522739617941

Statistics Inspectors AutoResponder Composer Fiddler Orchestra Beta FiddlerScript Log Filters Timeline

Request Count: 1
Bytes Sent: 395 (headers: 395; body: 0)
Bytes Received: 4,400 (headers: 364; body: 4,036)

ACTUAL PERFORMANCE

ClientConnected: 15:13:37.954
ClientBeginRequest: 15:13:37.954
GotRequestHeaders: 15:13:37.954
ClientDoneRequest: 15:13:37.954
Determine Gateway: 0ms
DNS Lookup: 12ms
TCP/IP Connect: 29ms
HTTPS Handshake: 0ms
ServerConnected: 15:13:37.994
FiddlerBeginRequest: 15:13:37.994
ServerGotRequest: 15:13:37.994
ServerBeginResponse: 15:13:38.067
GotResponseHeaders: 15:13:38.067
ServerDoneResponse: 15:13:38.067
ClientBeginResponse: 15:13:38.067
ClientDoneResponse: 15:13:38.067

Overall Elapsed: 0:00:00.113

RESPONSE BYTES (by Content-Type)

application/javascript: 4,036
~headers~: 364

ESTIMATED WORLDWIDE PERFORMANCE

The following are VERY rough estimates of download times when hitting servers based in Seattle.

US West Coast (Modem - 6KB/sec)
RTT: 0.10s
Elapsed: 0.10s

Japan / Northern Europe (Modem)
RTT: 0.15s
Elapsed: 0.15s

China (Modem)
RTT: 0.45s
Elapsed: 0.45s

US West Coast (DSL - 30KB/sec)
RTT: 0.10s
Elapsed: 0.10s

Japan / Northern Europe (DSL)
RTT: 0.15s
Elapsed: 0.15s

Show Chart

监控面板



监控面板概述（续1）

- 监控面板界面主要包括：
 - Statistics（统计）选项卡
 - Inspectors（审查）选项卡
 - AutoResponder（自动响应）选项卡
 - Composer（设计）选项卡
 - Fiddler Orchestra Beta（管弦乐）选项卡
 - FiddlerScript（Fiddler脚本）选项卡
 - Log（日志）选项卡
 - Filter（过滤器）选项卡
 - Timeline（时间轴）选项卡



Statistics选项卡



Statistics选项卡

- Statistics (统计) 选项卡
 - 显示当前Session的基本信息

```

Statistics Inspectors AutoResponder Composer Fiddler Orchestra Beta FiddlerScript Log Filters Timeline
Request Count: 1
Bytes Sent: 692 (headers:692; body:0)
Bytes Received: 48,197 (headers:332; body:47,865)

ACTUAL PERFORMANCE
-----
ClientConnected: 14:46:59.169
ClientBeginRequest: 14:46:59.176
GotRequestHeaders: 14:46:59.176
ClientDoneRequest: 14:46:59.177
Determine Gateway: 0ms
DNS Lookup: 0ms
TCP/IP Connect: 5ms
HTTPS Handshake: 0ms
ServerConnected: 14:46:59.183
FiddlerBeginRequest: 14:46:59.183
ServerGotRequest: 14:46:59.183
ServerBeginResponse: 14:46:59.240
GotResponseHeaders: 14:46:59.240
ServerDoneResponse: 14:46:59.263
ClientBeginResponse: 14:46:59.263
ClientDoneResponse: 14:46:59.264

Overall Elapsed: 0:00:00.087

RESPONSE BYTES (by Content-Type)
-----
text/html: 47,865
~headers~: 332

ESTIMATED WORLDWIDE PERFORMANCE
-----
The following are VERY rough estimates of download times when hitting servers based in Seattle.

US West Coast (Modem - 6KB/sec)
RTT: 0.10s
Elapsed: 8.10s

Japan / Northern Europe (Modem)
RTT: 0.15s
Elapsed: 8.15s

China (Modem)
RTT: 0.45s
Elapsed: 8.45s
    
```



单个Session统计

- 选中一个Session，显示该Session的统计信息
- 第一部分：概要

```
Request Count: 1
Bytes Sent: 1,800 (headers:194; body:1,606)
Bytes Received: 787 (headers:201; body:586)
```

- Request Count：请求数量
- Bytes Sent：发送的字节数（header：头部文档字节数；body：主体文档字节数）
- Bytes Received：接收的字节数（header：头部文档字节数；body：主体文档字节数）



单个Session统计（续1）

- 第二部分ACTUAL PERFORMANCE：实际性能

```

ACTUAL PERFORMANCE
-----
ClientConnected: 16:31:26.757
ClientBeginRequest: 16:35:26.762
GotRequestHeaders: 16:35:26.762
ClientDoneRequest: 16:35:26.762
Determine Gateway: 0ms
DNS Lookup: 0ms
TCP/IP Connect: 0ms
HTTPS Handshake: 0ms
ServerConnected: 16:31:26.861
FiddlerBeginRequest: 16:35:26.763
ServerGotRequest: 16:35:26.763
ServerBeginResponse: 16:35:26.804
GotResponseHeaders: 16:35:26.805
ServerDoneResponse: 16:35:26.805
ClientBeginResponse: 16:35:26.805
ClientDoneResponse: 16:35:26.805

Overall Elapsed: 0:00:00.043
    
```



单个Session统计（续2）

```
ACTUAL PERFORMANCE
-----
ClientConnected: 16:31:26.757
ClientBeginRequest: 16:35:26.762
GotRequestHeaders: 16:35:26.762
ClientDoneRequest: 16:35:26.762
```

- ClientConnected：客户端连接的时间
- ClientBeginRequest：客户端开始请求的时间
- GotRequestHeaders：客户端得到请求头部的时间
- ClientDoneRequest：客户端完成请求的时间



单个Session统计（续3）

```
Determine Gateway:    0ms  
DNS Lookup:           0ms  
TCP/IP Connect:       0ms  
HTTPS Handshake:      0ms
```

- Determine Gateway：决定网关的时长
- DNS Lookup：DNS 搜索的时长
- TCP/IP Connect：TCP/IP连接的时长
- HTTPS Handshake：HTTPS握手的时长



单个Session统计（续4）

```
ServerConnected: 16:31:26.861
FiddlerBeginRequest: 16:35:26.763
ServerGotRequest: 16:35:26.763
ServerBeginResponse: 16:35:26.804
```

- ServerConnected：连接到服务器的时间
- FiddlerBeginRequest：Fiddler开始请求时间
- ServerGotRequest：服务器得到请求时间
- ServerBeginResponse：服务器开始响应时间



单个Session统计（续5）

```
GotResponseHeaders: 16:35:26.805
ServerDoneResponse: 16:35:26.805
ClientBeginResponse: 16:35:26.805
ClientDoneResponse: 16:35:26.805

Overall Elapsed: 0:00:00.043
```

- GotResponseHeaders：服务器得到响应头部时间
- ServerDoneResponse：服务器完成响应时间
- ClientBeginResponse：客户端开始响应时间
- ClientDoneResponse：客户端完成响应时间
- Overall Elapsed：总耗时



单个Session统计（续6）

- 第三部分RESPONSE BYTES（by Content-Type）：响应的字节数（按照Content-Type）

```
RESPONSE BYTES (by Content-Type)
-----
~headers~: 190
text/html: 26
```



单个Session统计（续7）

- 第四部分ESTIMATED WORLDWIDE PERFORMANCE：
该会话在不同语种地区和连接方式下所需时间的初步估计

ESTIMATED WORLDWIDE PERFORMANCE

The following are VERY rough estimates of download times when hitting servers based in Seattle.

US West Coast (Modem - 6KB/sec)

RTT: 0.10s

Elapsed: 0.10s

Japan / Northern Europe (Modem)

RTT: 0.15s

Elapsed: 0.15s

China (Modem)

RTT: 0.45s

Elapsed: 0.45s

US West Coast (DSL - 30KB/sec)

RTT: 0.10s

Elapsed: 0.10s

Japan / Northern Europe (DSL)

RTT: 0.15s

Elapsed: 0.15s

China (DSL)

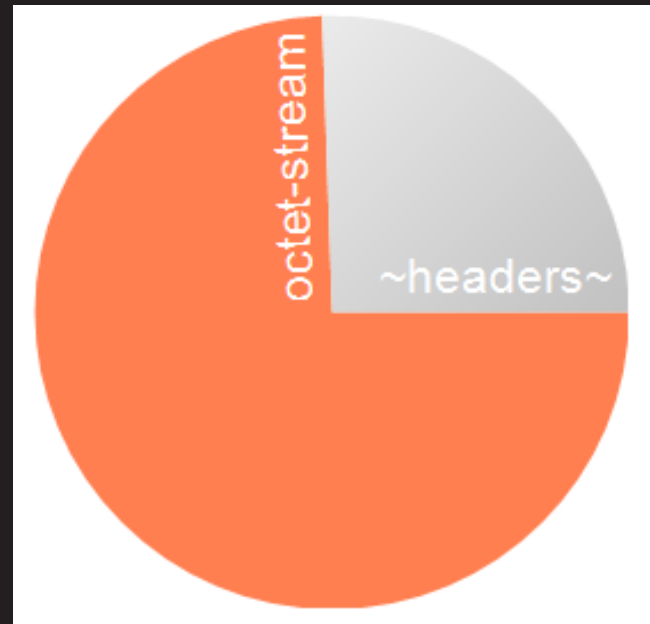
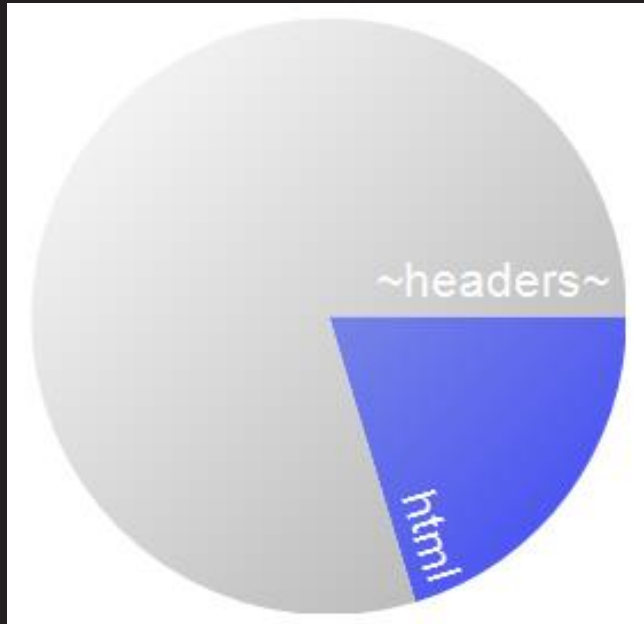
RTT: 0.45s

Elapsed: 0.45s



单个Session统计（续8）

- 显示饼形图



多个Session统计

- 选中多个Session，显示多个Session的统计信息
- 第一部分：概要

| | | |
|-----------------|--------|------------------------------|
| Request Count: | 8 | |
| Unique Hosts: | 7 | |
| Bytes Sent: | 5,352 | (headers:3,746; body:1,606) |
| Bytes Received: | 68,153 | (headers:2,770; body:65,383) |

- Request Count：请求数量（选中的Session数）
- Unique Hosts：独立的主机数
- Bytes Sent：发送的字节总数（header：头部文档字节总数；body：主体文档字节总数）
- Bytes Received：接收的字节总数（header：头部文档字节总数；body：主体文档字节总数）

多个Session统计（续1）

- 第二部分ACTUAL PERFORMANCE：实际性能

```
ACTUAL PERFORMANCE
-----
Requests started at:      21:38:34.321
Responses completed at:   21:38:41.793
Sequence (clock) duration:00:00:07.471
Aggregate Session duration: 00:00:07.693
```

- Requests started at：Fiddler接收到的第一个请求的第一个字节的时间点
- Responses completed at：Fiddler发送到客户端的最后一个响应的最后一个字节的时间点
- Sequence (clock) duration：第一个请求开始到最后一个响应结束之间的“时钟时间”
- Aggregate Session duration：所有选中的Session从请求到响应之间的时间总和

多个Session统计（续2）

```
DNS Lookup time:      16ms
TCP/IP Connect duration: 9ms
HTTPS Handshake duration: 37ms
```

- DNS Lookup time : 所有选中Session解析DNS所花费的时间总和
- TCP/IP Connect duration : 所有选中Session建立TCP/IP连接所花费的时间总和
- HTTPS Handshake duration : 所有选中Session在HTTPS握手时所花费的时间总和



多个Session统计（续3）

- 第三部分RESPONSE CODES：响应状态码
 - 选中Session中各个HTTP响应码统计

RESPONSE CODES

```
-----
HTTP/200:      6
HTTP/304:      2
```

- 第四部分RESPONSE BYTES：响应字节数
 - 选中Session中各个类型字节数

RESPONSE BYTES (by Content-Type)

```
-----
                text/html: 48,436
            application/json: 9,298
application/x-javascript: 7,063
                ~headers~: 2,770
application/octet-stream: 586
```

多个Session统计（续4）

- 第五部分REQUESTS PER HOST：每台主机的请求数

```
REQUESTS PER HOST
-----
www.sohu.com: 2
qurl.f.360.cn: 1
statics.itc.cn: 1
otf.msn.cn: 1
hotword.sogoucdn.com: 1
adv-sv-show.focus.cn: 1
pl.hd.sohu.com: 1
```



多个Session统计（续5）

- 第六部分ESTIMATED WORLDWIDE PERFORMANCE：
所选Session在不同语种地区和连接方式下所需时间的初步估计

ESTIMATED WORLDWIDE PERFORMANCE

The following are VERY rough estimates of download times when hitting servers based in Seattle.

US West Coast (Modem - 6KB/sec)

RTT: 0.80s

Elapsed: 12.80s

Japan / Northern Europe (Modem)

RTT: 1.20s

Elapsed: 13.20s

China (Modem)

RTT: 3.60s

Elapsed: 15.60s

US West Coast (DSL - 30KB/sec)

RTT: 0.80s

Elapsed: 2.80s

Japan / Northern Europe (DSL)

RTT: 1.20s

Elapsed: 3.20s

China (DSL)

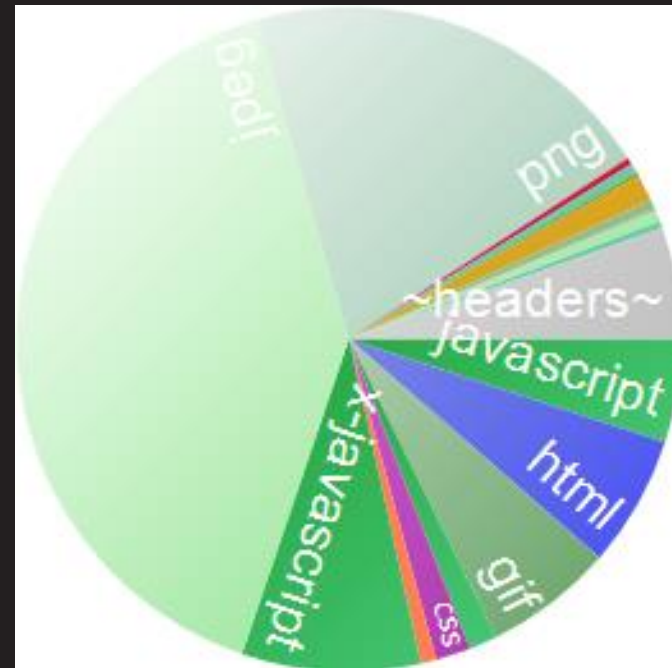
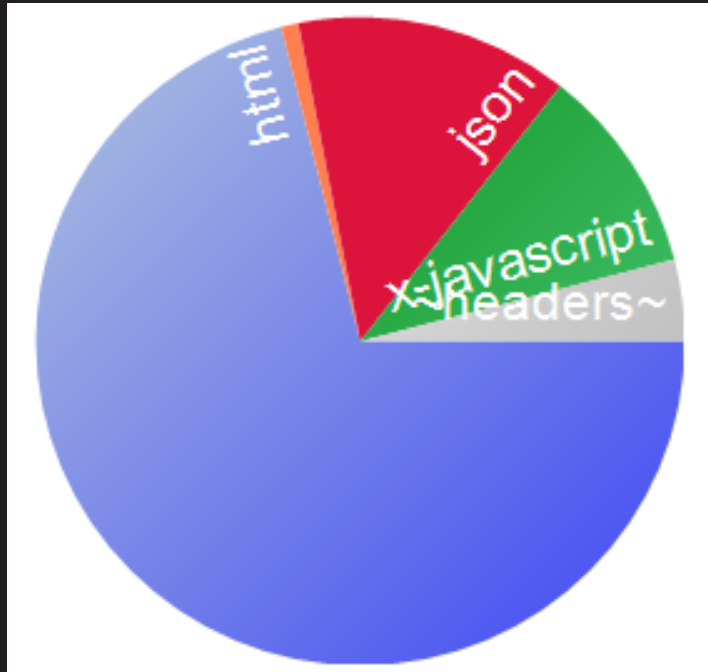
RTT: 3.60s

Elapsed: 5.60s



多个Session统计（续6）

- 显示饼形图

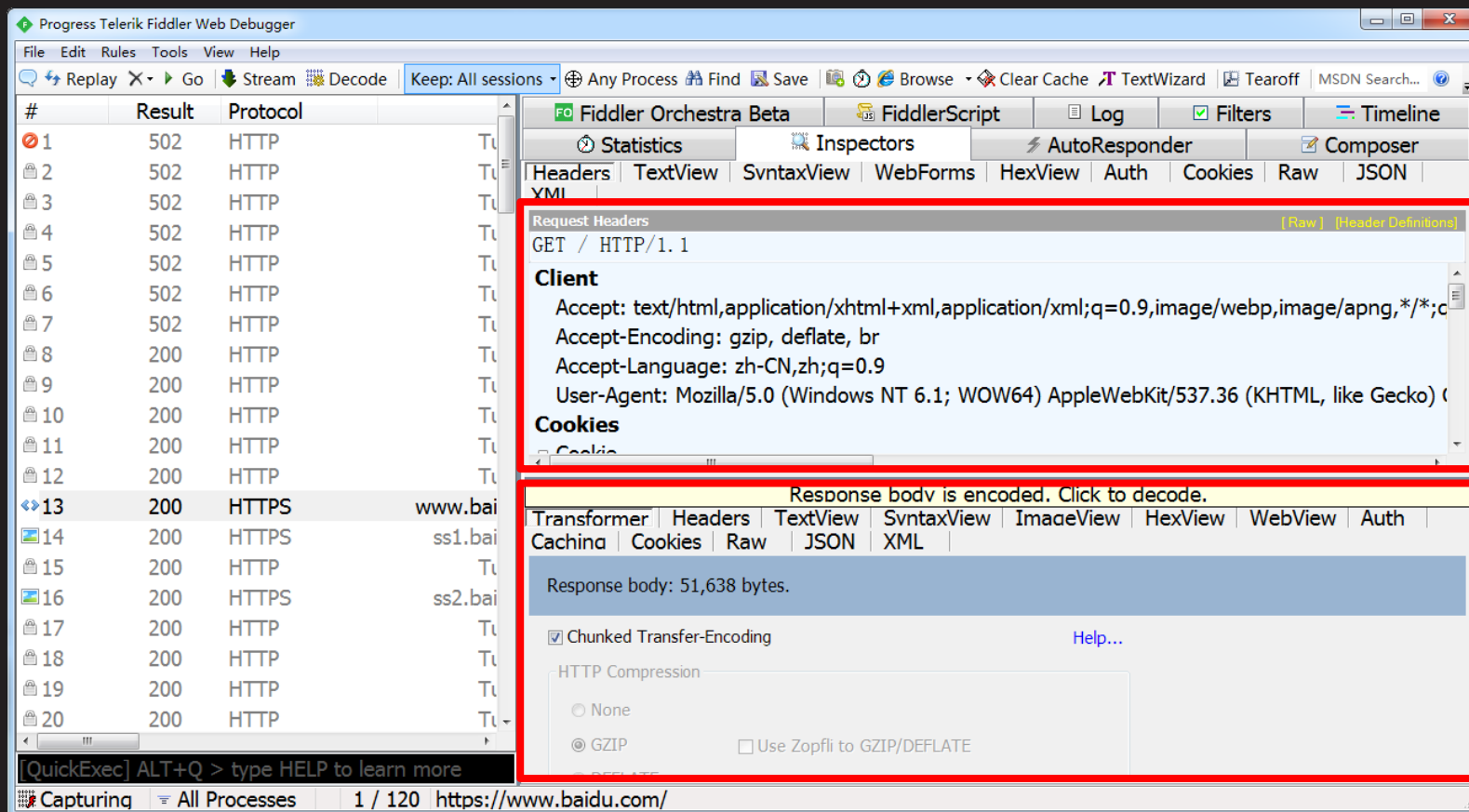


Inspectors选项卡



Inspectors选项卡

- Inspectors (审查员) 选项卡
 - 显示Web Session列表中选定Session的请求和响应



请求信息

- Headers
 - Request Headers (请求报文头部信息)

| Headers | TextView | SyntaxView | WebForms | HexView | Auth | Cookies | Raw | JSON | XML |
|---|----------|------------|----------|---------|------|---------|-----|------|-----|
| Request Headers | | | | | | | | | |
| GET / HTTP/1.1 | | | | | | | | | |
| Client | | | | | | | | | |
| Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8 | | | | | | | | | |
| Accept-Encoding: gzip, deflate, br | | | | | | | | | |
| Accept-Language: zh-CN,zh;q=0.9 | | | | | | | | | |
| User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.106 Safari/537.36 | | | | | | | | | |
| Cookies | | | | | | | | | |
| Cookie | | | | | | | | | |
| Security | | | | | | | | | |
| Upgrade-Insecure-Requests: 1 | | | | | | | | | |
| Transport | | | | | | | | | |
| Connection: keep-alive | | | | | | | | | |
| Host: www.baidu.com | | | | | | | | | |



请求信息（续1）

- Raw
 - 完整的请求信息，包括文本格式的header和body

Headers | TextView | SyntaxView | WebForms | HexView | Auth | Cookies | Raw | JSON | XML

```
GET https://ss0.bdstatic.com/5aV1bjqh_Q23odCf/static/mantpl/js/nav/index_1b1371
Host: ss0.bdstatic.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like
Accept: */*
Referer: https://www.baidu.com/
Accept-Encoding: gzip, deflate, br
Accept-Language: zh-CN,zh;q=0.9
```



请求信息（续2）

- Cookies
 - 请求信息中发送cookie数据的信息

| Headers | TextView | SyntaxView | WebForms | HexView | Auth | Cookies | Raw | JSON | XML |
|--|----------|------------|----------|---------|------|---------|-----|------|-----|
| Request sent 514 bytes of Cookie data: | | | | | | | | | |
| <pre> guest_id=10340099545004 customer_service_language=cn kf_sign_72120883=Dk0ODMTUzNc4MTEwMzQwMDk5NTQ1MDA0 land_page_72120883=http%3A%2F%2Fwww.tedu.cn%2F 219143129148=%E5%8C%97%E4%BA%AC%2C%2C%2C%E4%BA%9A%E6%B4%B2 53ct_10340099545004=1534948781_0 talktitle_72120883=IT%E5%9F%B9%E8%AE%AD%E7%8F%AD%E9%80%89%E8%BE%BE% E5%86%85%2C%E4%BA%BF%E5%85%83%E7%BA%A7%E5%A4%96%E4%BC%81IT%E5%9F% B9%E8%AE%AD%E6%9C%BA%E6%9E%84+-+%E8%BE%BE%E5%86%85%E6%95%99%E8% 82%B2%E5%AE%98%E7%BD%91 is_group_72120883=0 hz6d_open_talk_72120883=1 </pre> | | | | | | | | | |



响应信息

- Headers
 - Response Headers (响应报文头部信息)

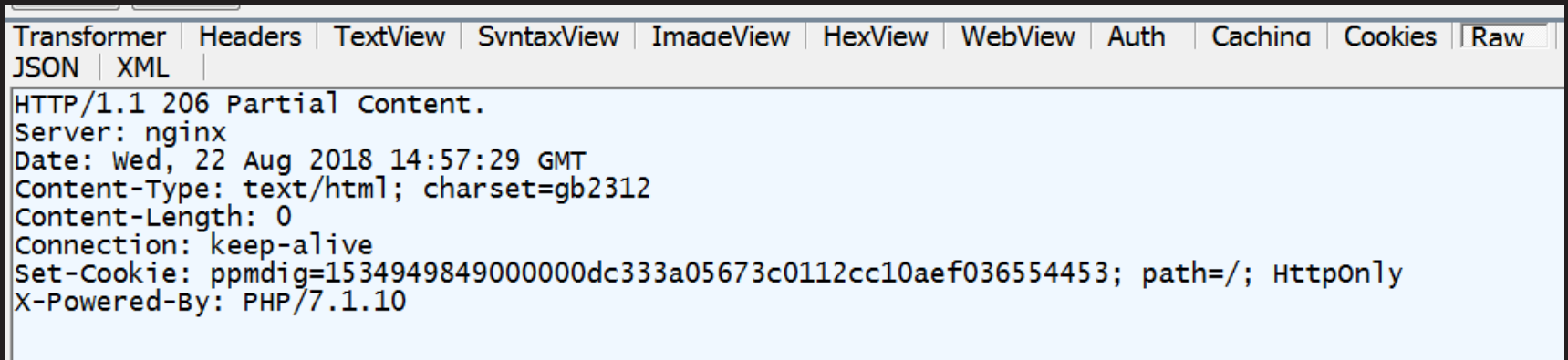
```
Transformer | Headers | TextView | SyntaxView | ImageView | HexView | WebView | Auth | Cache
Response Headers
HTTP/1.1 200 OK

Cache
  Cache-Control: private
  Date: Wed, 22 Aug 2018 14:05:53 GMT
  Expires: Wed, 22 Aug 2018 14:05:52 GMT
Cookies / Login
  Set-Cookie: BD_HOME=1; path=/
  Set-Cookie: BDSVRTM=382; path=/
  Set-Cookie: H_PS_PSSID=1444_26909_21091_26350_26922_20928; path=/; domain=.baidu.com
Entity
  Content-Encoding: gzip
  Content-Type: text/html; charset=utf-8
Miscellaneous
  Bdpagetype: 2
  Bdqid: 0xb6cf37c00000ead7
  Server: BWS/1.1
  X-Ua-Compatible: IE=Edge,chrome=1
Security
  Strict-Transport-Security: max-age=172800
Transport
  Connection: Keep-Alive
  Transfer-Encoding: chunked
```



响应信息（续1）

- Raw
 - 完整的响应信息，包括文本格式的header和body



The screenshot shows a web browser's developer tools interface with the 'Raw' tab selected. The response is an HTTP 206 Partial Content from a server running nginx. The headers and body are displayed in a text area.

```

Transformer | Headers | TextView | SvntaxView | ImageView | HexView | WebView | Auth | Cachina | Cookies | Raw
JSON | XML |
HTTP/1.1 206 Partial Content.
Server: nginx
Date: Wed, 22 Aug 2018 14:57:29 GMT
Content-Type: text/html; charset=gb2312
Content-Length: 0
Connection: keep-alive
Set-Cookie: ppmdig=1534949849000000dc333a05673c0112cc10aef036554453; path=/; HttpOnly
X-Powered-By: PHP/7.1.10
    
```



响应信息（续2）

- Cookies
 - 请求信息中发送cookie数据的信息

| Transformer | Headers | TextView | SyntaxView | ImageView | HexView | WebView | Auth | Caching | Cookies | Raw |
|-------------|---------|----------|------------|-----------|---------|---------|------|---------|---------|-----|
| JSON | XML | | | | | | | | | |

Response sent 73 bytes of Cookie data:
Set-Cookie: ppmDIG=1534949849000000dc333a05673c0112cc10aef036554453; path=/; HttpOnly

This response did not contain a P3P Header.

Validate P3P Policies at: <http://www.w3.org/P3P/validator.html>
Learn more at: <http://fiddler2.com/r/?p3pinfo>



- ## 知识讲解



响应信息（续4）

- JSON
 - 响应中的JSON信息

Transformer | Headers | TextView | SvntaxView | ImageView | HexView | WebView | Auth | Cachina | Cookies

Raw | **JSON** | XML

JSON

- {
 - channel_id=19
 - word=如懿传PK延禧
- {
 - channel_id=19
 - word=模特撞脸魏瓔珞
- {
 - channel_id=19
 - word=贾乃亮求私人空间
- {
 - channel_id=19
 - word=陈坤儿子近照
- {
 - channel_id=19
 - word=周笔畅素颜现身机场
- {
 - channel_id=19
 - word=郭采洁大秀雪肤



响应信息（续5）

- SyntaxView
 - 响应中的HTML、CSS、JavaScript信息

| Transformer | Headers | TextView | SyntaxView | ImageView | HexView | WebView | Auth | Cachina | Cookies |
|-------------|--|----------|------------|-----------|---------|---------|------|---------|---------|
| Raw | JSON | XML | | | | | | | |
| 1 | <pre>try{SohuAd.pv.imp("http://imp.ad-plus.cn/201111/ee4f7cebb2ef825bf6b3c8730c929929.php? a=24");var Beans = {id:'a=24',ad:[],type:'test',contain:'ad_N'};Beans.ad = [{"md5": 50fffb30575233e9c458123555ef78a0","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/shishangwenzhang2jufu.swf","icpm":"1"}, {"md5": 8884ef557d89b8dde97e7b05d217d166","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/kejiwenzhang10.swf","icpm":"1"}, {"md5": 8884ef557d89b8dde97e7b05d217d166","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/kejiwenzhang10.swf","icpm":"1"}, {"md5": 50fffb30575233e9c458123555ef78a0","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/shishangwenzhang2jufu.swf","icpm":"1"}, {"md5": 8884ef557d89b8dde97e7b05d217d166","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/kejiwenzhang10.swf","icpm":"1"}, {"md5": 8884ef557d89b8dde97e7b05d217d166","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/kejiwenzhang10.swf","icpm":"1"}, {"md5": 4f2bdb125a505fc9a65bfl65e27b579","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/lvyouwenzhang5.swf","icpm":"1"}, {"md5": 58a5fbdd1f59d9ea7120bef8666fa450","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/qichewenzhang4jufu.swf","icpm":"1"}, {"md5": 4f2bdb125a505fc9a65bfl65e27b579","swf":"http://images.sohu.com/bill/s2018/ jingyanli/07/lvyouwenzhang5.swf","icpm":"1"}];var _timetag = new Date();if((_timetag.getHours()!='9' _timetag.getMinutes() >10) && !navigator.userAgent. toLowerCase().match(/firefox\/([\d.]+)/) && !navigator.userAgent.toLowerCase().match(/chrome\/([\d.]+)/)) {SohuAd(Beans);}}catch(e) {}</pre> | | | | | | | | |



响应信息（续6）

- TextView
 - 以文本形式查看响应体

| Transformer | Headers | TextView | SvntaxView | ImageView | HexView | WebView | Auth | Cachina | Cookies | Raw | JSON | XML |
|---|---------|----------|------------|-----------|---------|---------|------|---------|---------|-----|------|-----|
| <pre> var hz6d_guest_id = \$53.getCookie('53gid2'); var hz6d_cus_web_msg_gids = ""; function hz6d_cus_web_msg_open() { var openurl = "http://www3.53kf.com/webCompany.php?arg=10120883&style=1&kflist=off&kf=dnjt005%40126.com% 2Cdnit0011%40126.com%2Cdnjt018%40126.com%2Cdnjt0029%40126.com%2Cdnjt0032%40126.com%2Cdnjt0031%40126.com%2Cdnjt0037% 40126.com%2Cdnjt0039%40126.com%2Cdnjt0040%40126.com%2Cdnjt0043%40126.com%2Cdnjt0046%40126.com%2Cdnjt0047%40126.com% 2Cdnjt0048%40126.com%2Cdnjt0051%40126.com%2Cdnjt0052%40126.com%2Cdnjt0053%40126.com%2Cdnjt0054%40126.com%2Cdnjt006% 40126.com%2Cdnit0012%40126.com%2Cdnjt0027%40126.com%2Cdnjt0033%40126.com%2Cdnjt0038%40126.com%2Cdnjt0041%40126.com% 2Cdnjt0042%40126.com%2Cjtdsphz%40126.com%2Cdnjt004%40126.com%2Cdnjt003%40126.com%2Cdnit0010%40126.com%2Cdnjt0021% 40126.com%2Cdnjt0024%40126.com%2Cdnjt0025%40126.com%2Cdnjt0030%40126.com%2Cdnjt0035%40126.com%2Cdnjt0044%40126.com% 2Czhaomh%40tedu.cn&zdkf_type=1&lnk_overflow=0&language=zh- cn&charset=gbk&username=&userinfo=&introurl=&lyurl=&lytype=0&copartner=&referer=http%3A%2F%2Fwww.tedu.cn% 2F&keyword=&brief=&logo=&question=&uid=282bb925af4c19a78caf35dd7b0b357f"; try{ window.open(openurl, "_blank", "height=473,width=703,top=200,left= 200,status=yes,toolbar=no,menubar=no,resizable=yes,scrollbars=no,location=no,titlebar=no"); } catch(e) {} } // hz6d_get_guest_id_timer = setTimeout("hz6d_get_guest_id()", 500); </pre> | | | | | | | | | | | | |



响应信息（续7）

- XML
 - 响应中的XML

The screenshot shows the 'XML' tab selected in the developer tools. The response is an XML document with the following structure:

```

<?xml version="1.0" encoding="UTF-8" ?>
<UPDATE>
  <THISTIME>2018/08/01 15:25:01</THISTIME>
  <FILE>
    <ITEM NAME=newhaf.dat>
      <URL>http://miserupdate.aliyun.com/data/2.4.1.6/newhaf.dat</URL>
      <MD5>2b96a3912c86ccbfe7201e98eec6a044</MD5>
    </ITEM>
    <ITEM NAME=prf.dat>
      <URL>http://miserupdate.aliyun.com/data/2.4.1.6/prf.dat</URL>
      <MD5>c065cdd5ab1282910a85e158af4a9456</MD5>
    </ITEM>
    <ITEM NAME=AliMiserUpdate.exe>
      <URL>http://miserupdate.aliyun.com/data/2.4.1.6/AliMiserUpdate.exe</URL>
      <MD5>689e96571161100e8103d8d7d7241e6b</MD5>
    </ITEM>
  </FILE>
</UPDATE>
    
```

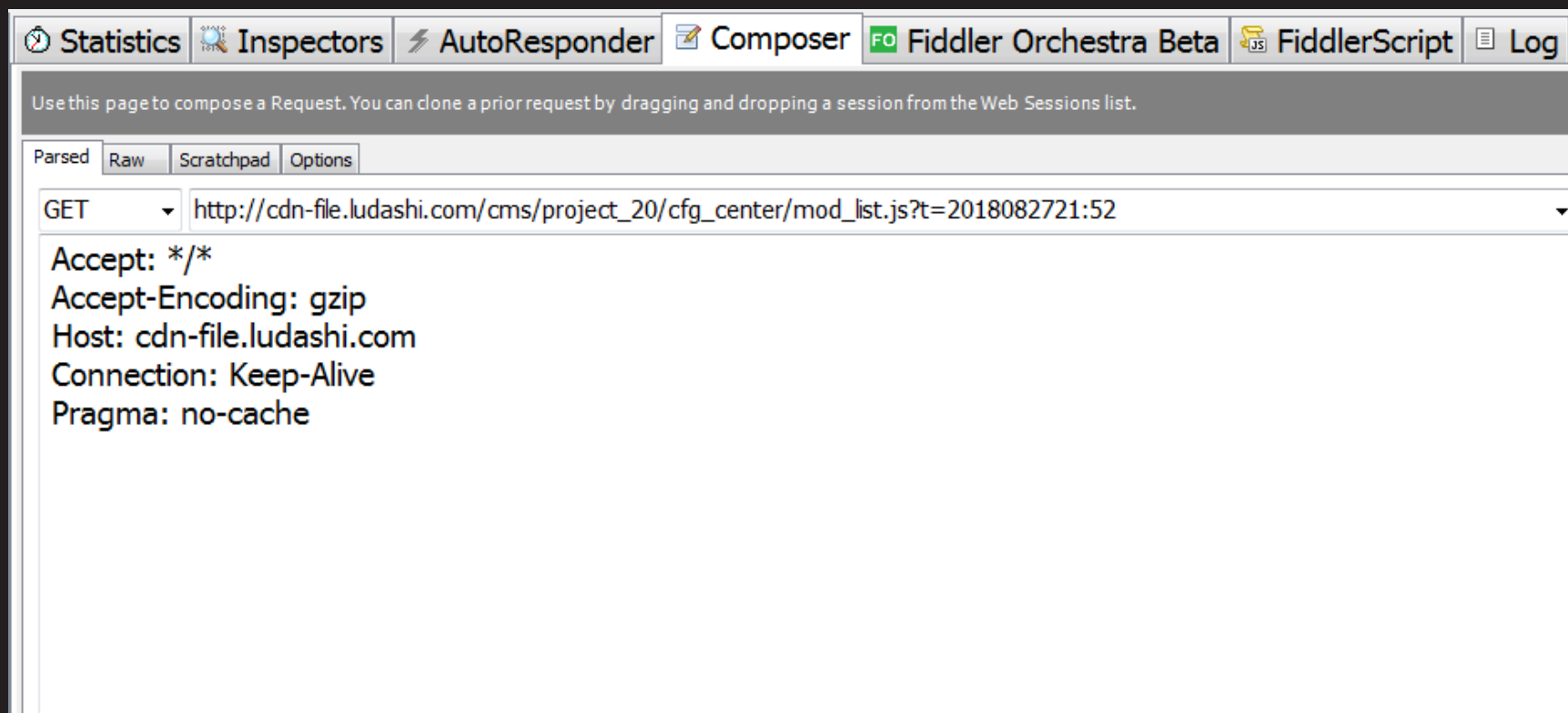


Composer选项卡



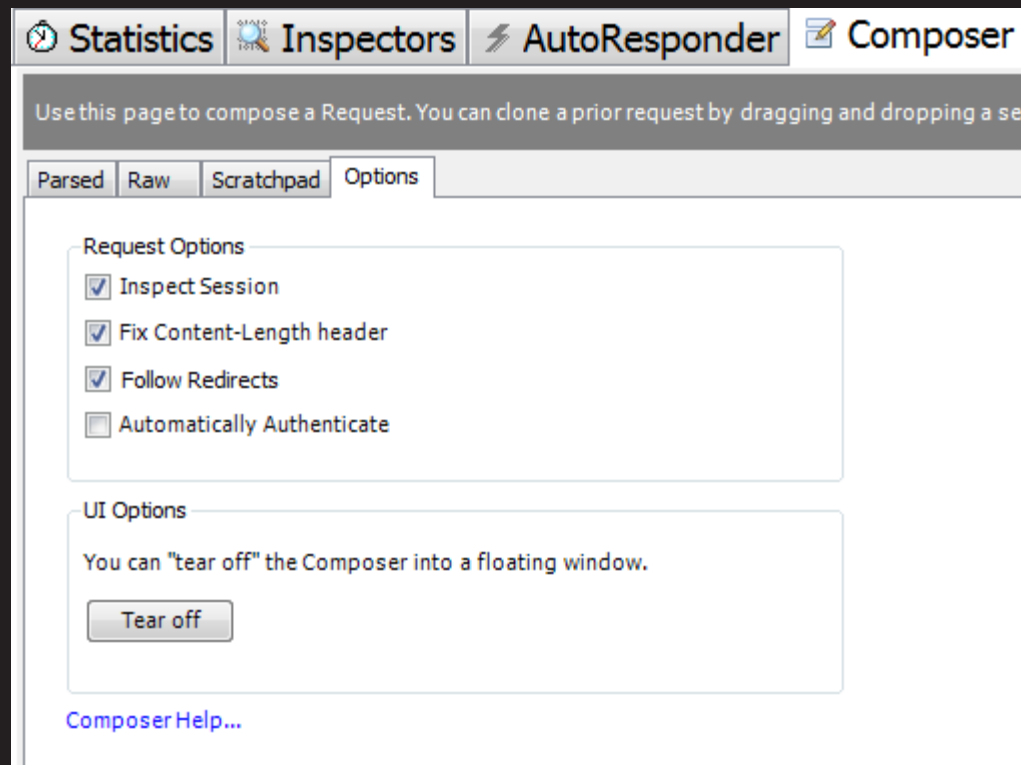
Composer选项卡

- Composer（设计者）选项卡
 - 手动构建和发送HTTP、HTTPS、FTP请求



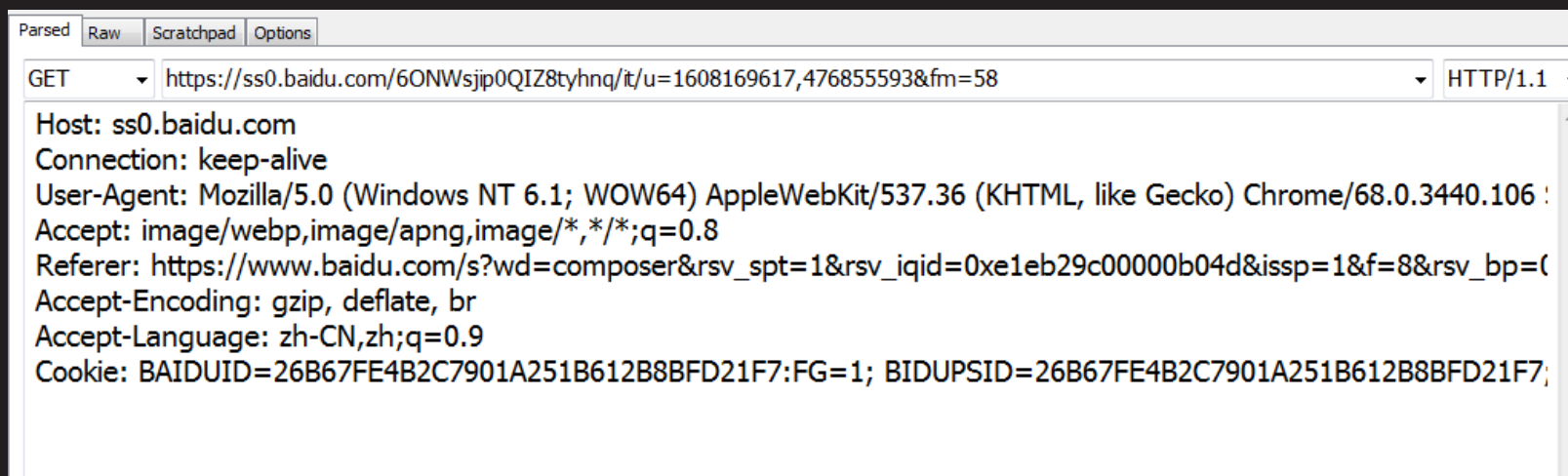
Composer选项卡

- Options选项卡
 - Inspect Session：请求执行后，Inspectors选项卡会被激活，可以查看请求结果



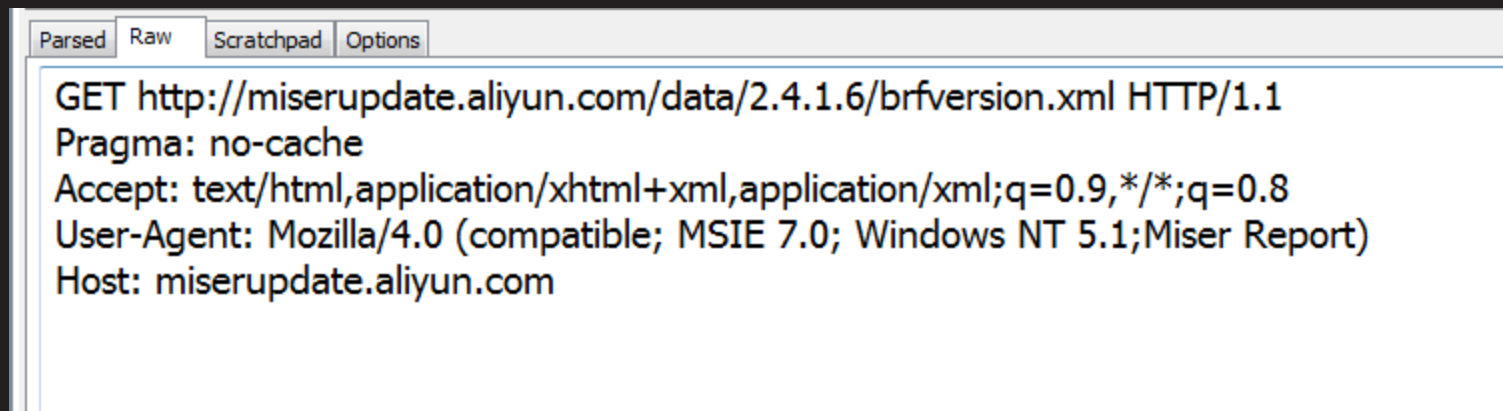
Composer选项卡

- Parsed选项卡



Composer选项卡

- Raw选项卡



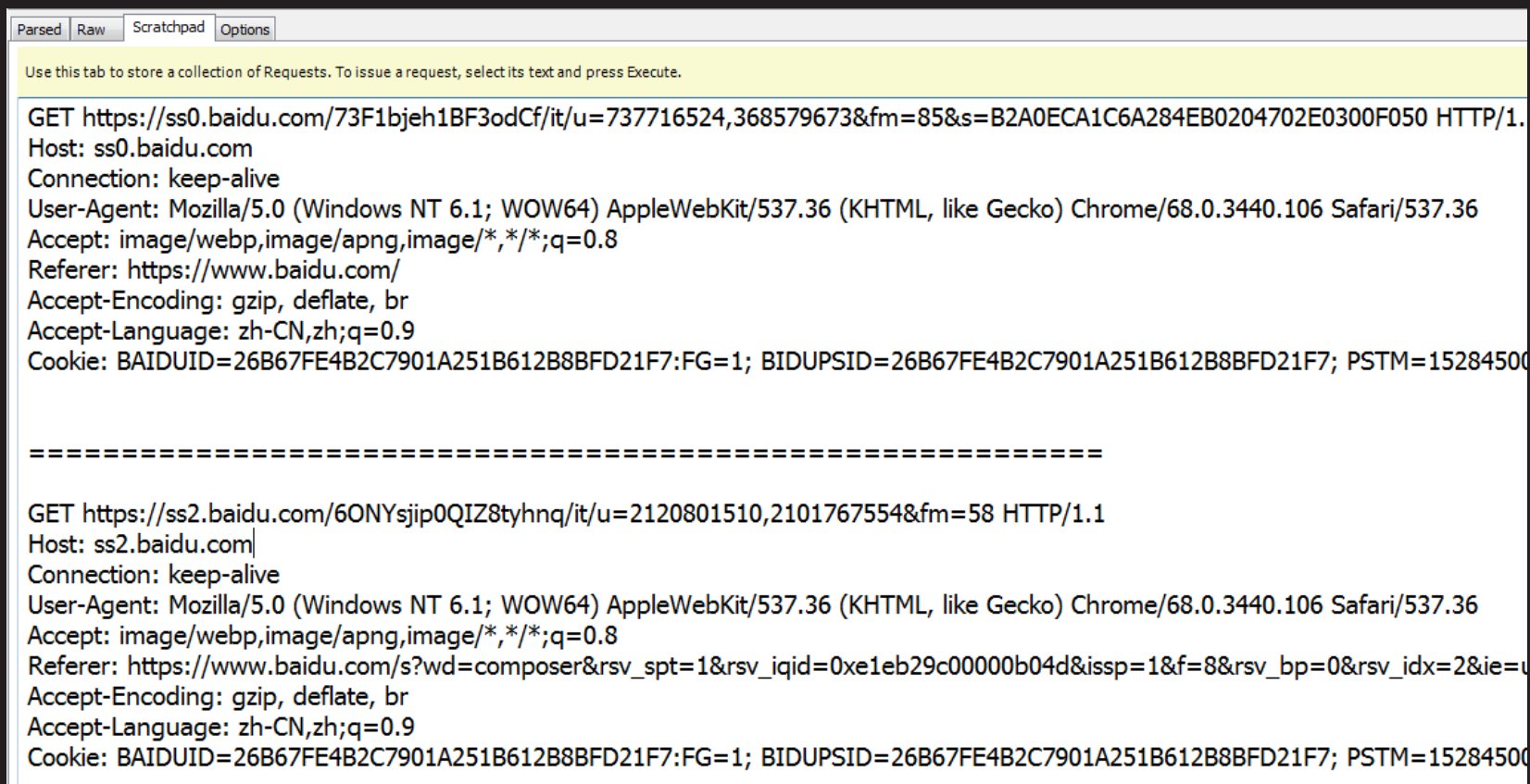
The screenshot shows the 'Raw' tab in the Composer application. The tab bar at the top has four buttons: 'Parsed', 'Raw' (which is selected), 'Scratchpad', and 'Options'. The main content area displays the raw text of an HTTP request:

```
GET http://miserupdate.aliyun.com/data/2.4.1.6/brfversion.xml HTTP/1.1
Pragma: no-cache
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1;Miser Report)
Host: miserupdate.aliyun.com
```



Composer选项卡

- Scratchpad选项卡



Parsed Raw Scratchpad Options

Use this tab to store a collection of Requests. To issue a request, select its text and press Execute.

```
GET https://ss0.baidu.com/73F1bjeh1BF3odCf/it/u=737716524,368579673&fm=85&s=B2A0ECA1C6A284EB0204702E0300F050 HTTP/1.1
Host: ss0.baidu.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.106 Safari/537.36
Accept: image/webp,image/apng,image/*,*/*;q=0.8
Referer: https://www.baidu.com/
Accept-Encoding: gzip, deflate, br
Accept-Language: zh-CN,zh;q=0.9
Cookie: BAIDUID=26B67FE4B2C7901A251B612B8BFD21F7;FG=1; BIDUPSID=26B67FE4B2C7901A251B612B8BFD21F7; PSTM=15284500

=====

GET https://ss2.baidu.com/6ONYsjip0QIZ8tyhnq/it/u=2120801510,2101767554&fm=58 HTTP/1.1
Host: ss2.baidu.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.106 Safari/537.36
Accept: image/webp,image/apng,image/*,*/*;q=0.8
Referer: https://www.baidu.com/s?wd=composer&rsv_spt=1&rsv_iqid=0xe1eb29c00000b04d&issp=1&f=8&rsv_bp=0&rsv_idx=2&ie=
Accept-Encoding: gzip, deflate, br
Accept-Language: zh-CN,zh;q=0.9
Cookie: BAIDUID=26B67FE4B2C7901A251B612B8BFD21F7;FG=1; BIDUPSID=26B67FE4B2C7901A251B612B8BFD21F7; PSTM=15284500
```

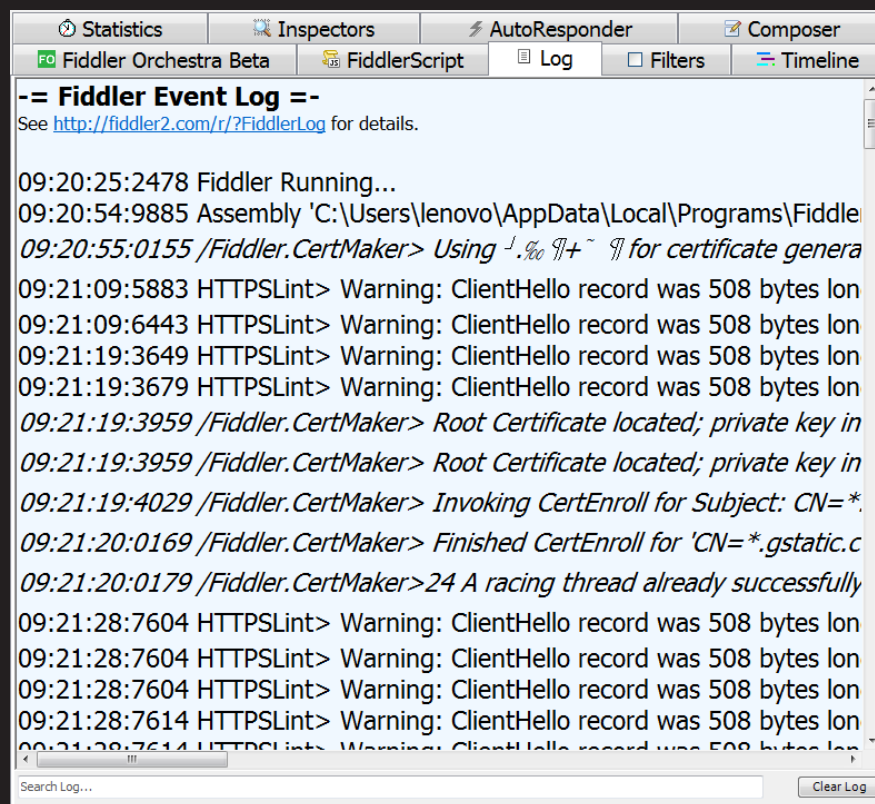


Log选项卡



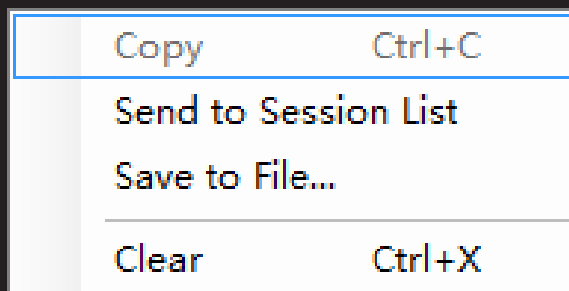
Log选项卡

- Log (日志) 选项卡
 - Log (日志) 选项卡，收集日志消息信息，记录应用事件以及系统事件（如系统的网络连接丢失或恢复）的响应通知



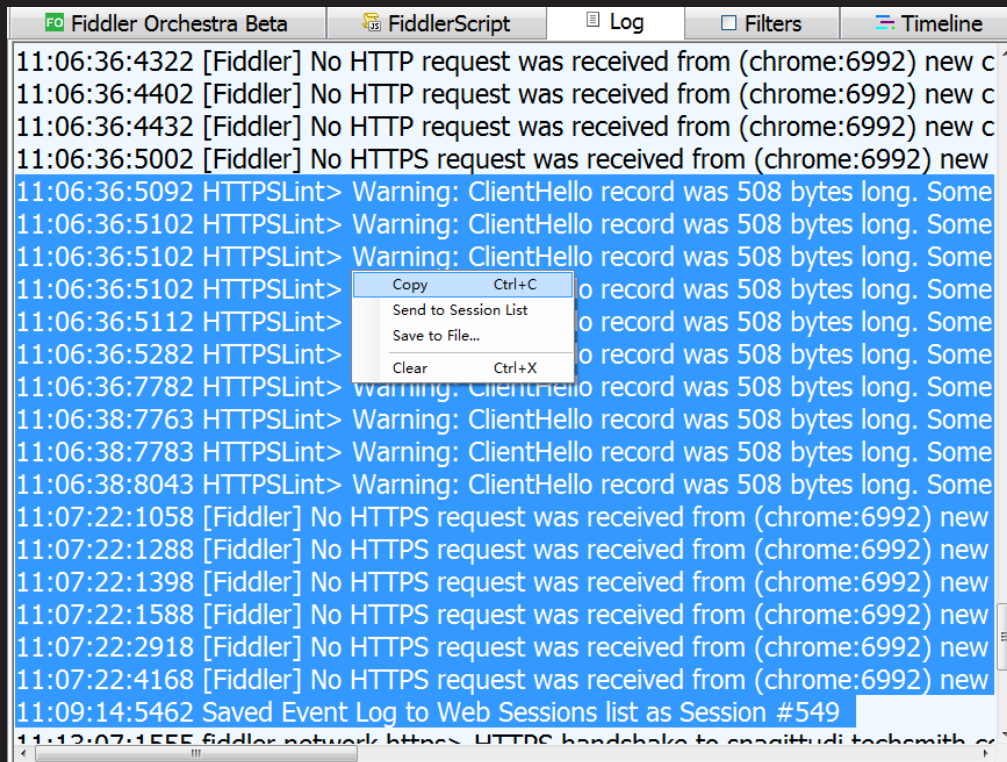
Log选项卡（续1）

- 对日志进行的操作
 - Copy : 复制日志
 - Send to Session List : 发送日志到会话列表
 - Save to File : 保存日志为文件
 - Clear : 清除日志



复制日志

- 选中要复制的日志
- 点击Copy
- 保存到指定文件中即可



发送日志到会话列表

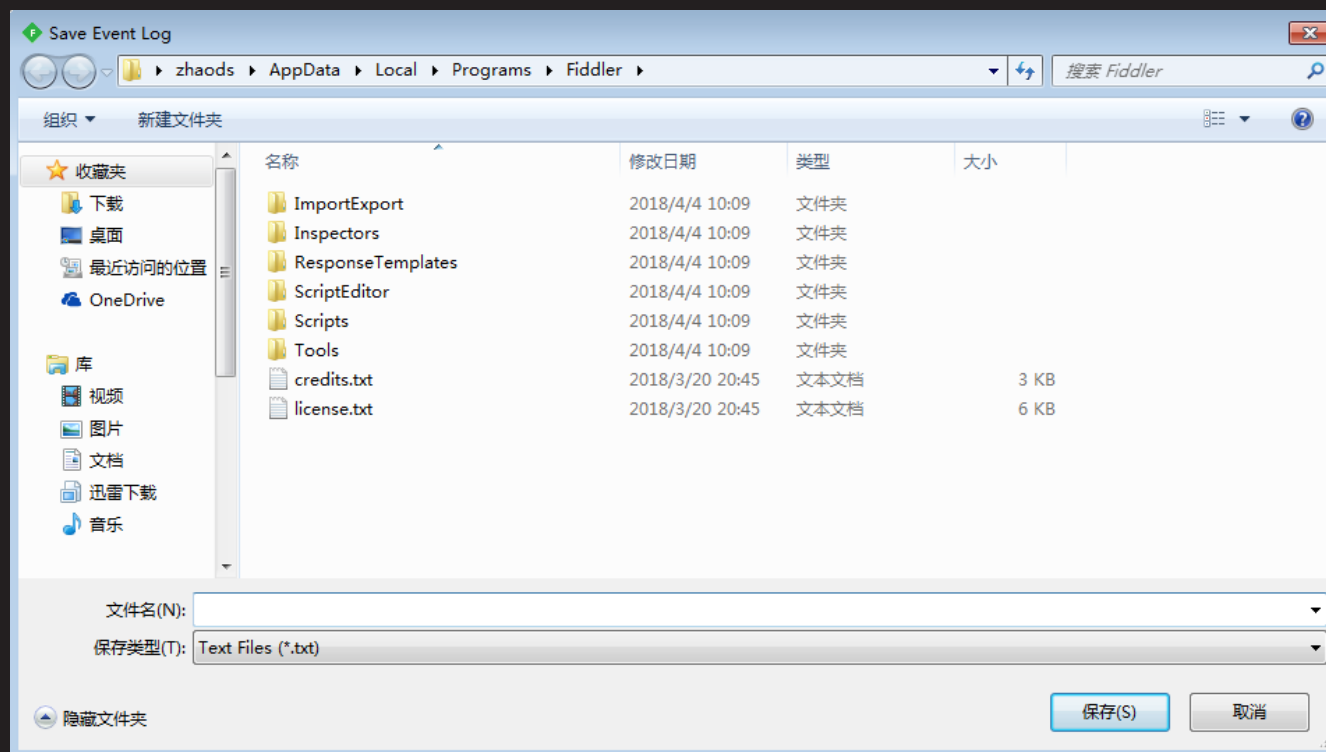
- 点击Send to Session List
- 可以看到Web Session List中和日志中有相应的记录

| | | | |
|-------|-----|-------|--|
| 🔒 574 | 200 | HTTP | 11:13:46:5538 Saved Event Log to Web Sessions list as Session #562 |
| 📄 575 | 200 | HTTPS | 11:13:53:6342 Saved Event Log to Web Sessions list as Session #563 |
| 📄 576 | 200 | HTTPS | 11:13:56:0673 Saved Event Log to Web Sessions list as Session #564 |
| 🚫 577 | 502 | HTTP | 11:19:14:1705 Saved Event Log to Web Sessions list as Session #578 |
| 📄 578 | 200 | HTTP | 11:19:51:7417 Saved Event Log to Web Sessions list as Session #579 |
| 📄 579 | 200 | HTTP | 11:19:53:7958 Saved Event Log to Web Sessions list as Session #580 |
| 📄 580 | 200 | HTTP | 11:19:55:3159 Saved Event Log to Web Sessions list as Session #581 |
| 📄 581 | 200 | HTTP | |



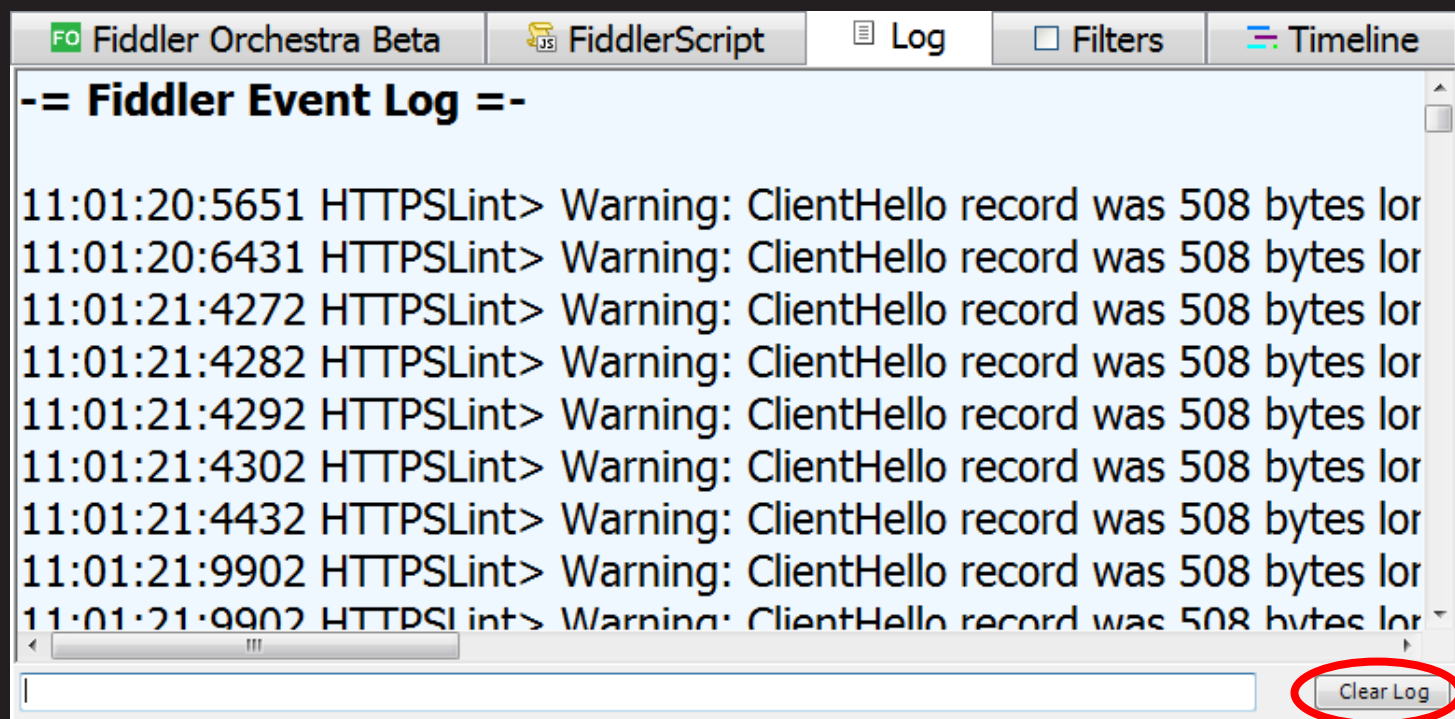
保存日志为文件

- 点击Save to File
- 正常保存文件即可（txt或rtf格式）



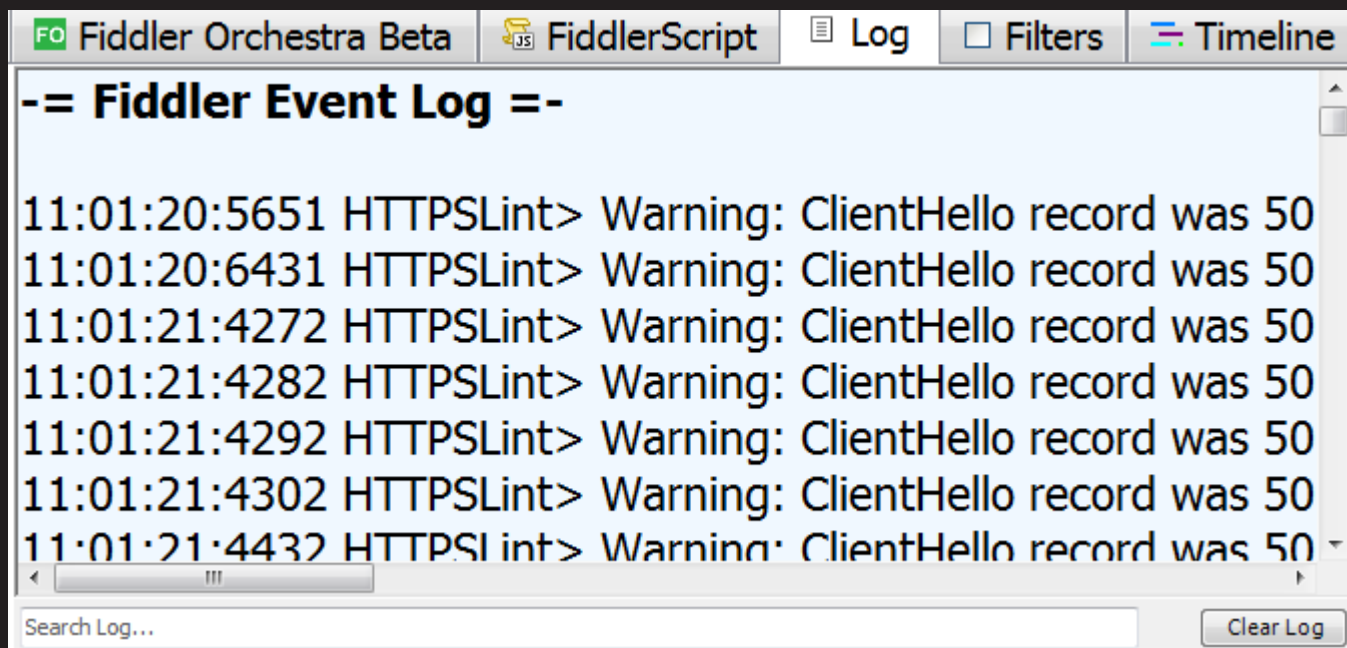
清除日志

- 点击clear
- 快捷键：Ctrl+X
- 点击“Clear Log”按钮



搜索日志

- 在 “Search Log...” 文本框中输入回车即可



总结和答疑

