Fiddler

使用经验分享

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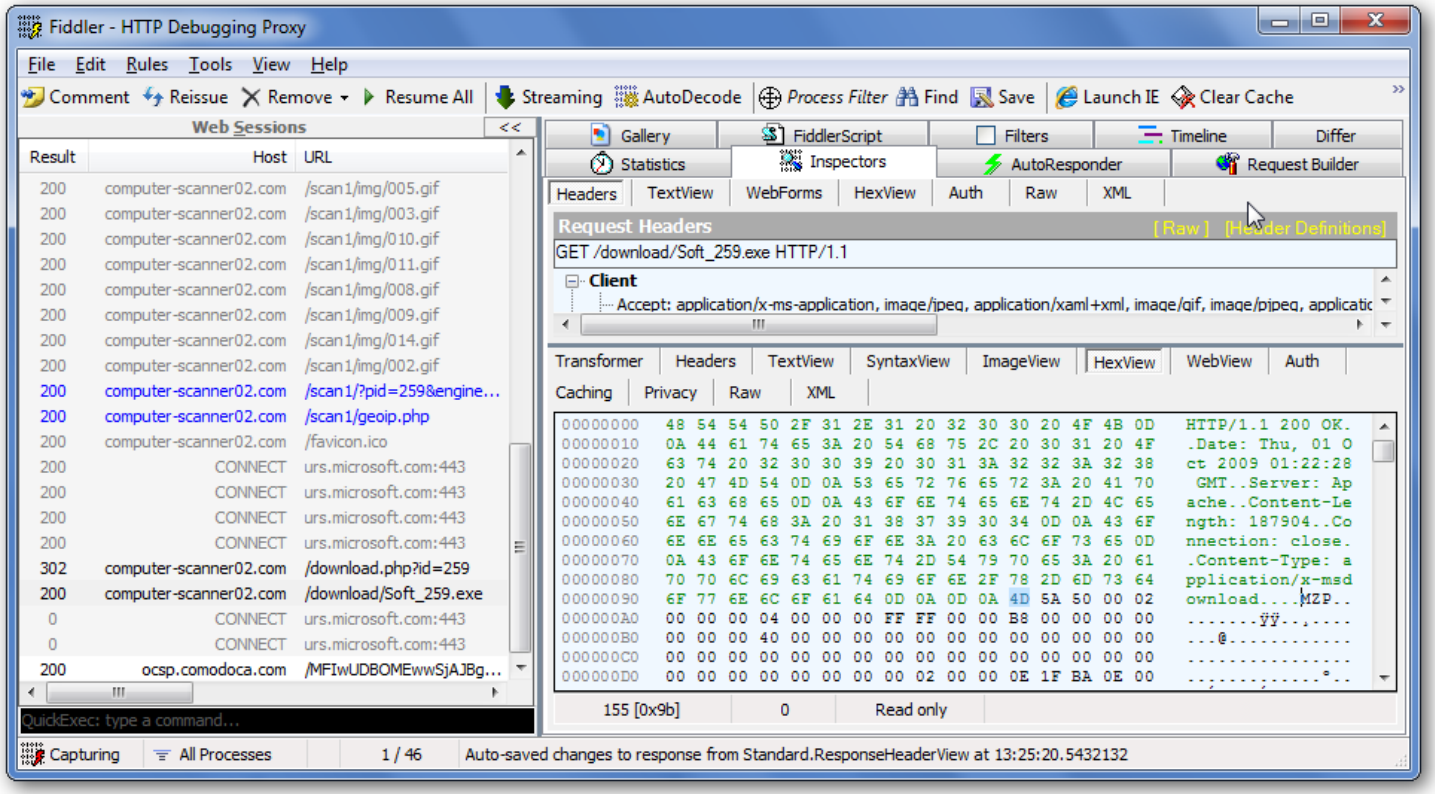
Fiddler


Fiddler - HTTP Debugging Proxy
File Edit Rules Tools View Help
Comment Reissue Remove Resume All Streaming AutoDecode Process Filter Find Save Launch IE Clear Cache
Web Sessions
Result Host URL
200 computer-scanner02.com /scan1/img/005.gif
200 computer-scanner02.com /scan1/img/003.gif
200 computer-scanner02.com /scan1/img/010.gif
200 computer-scanner02.com /scan1/img/011.gif
200 computer-scanner02.com /scan1/img/008.gif
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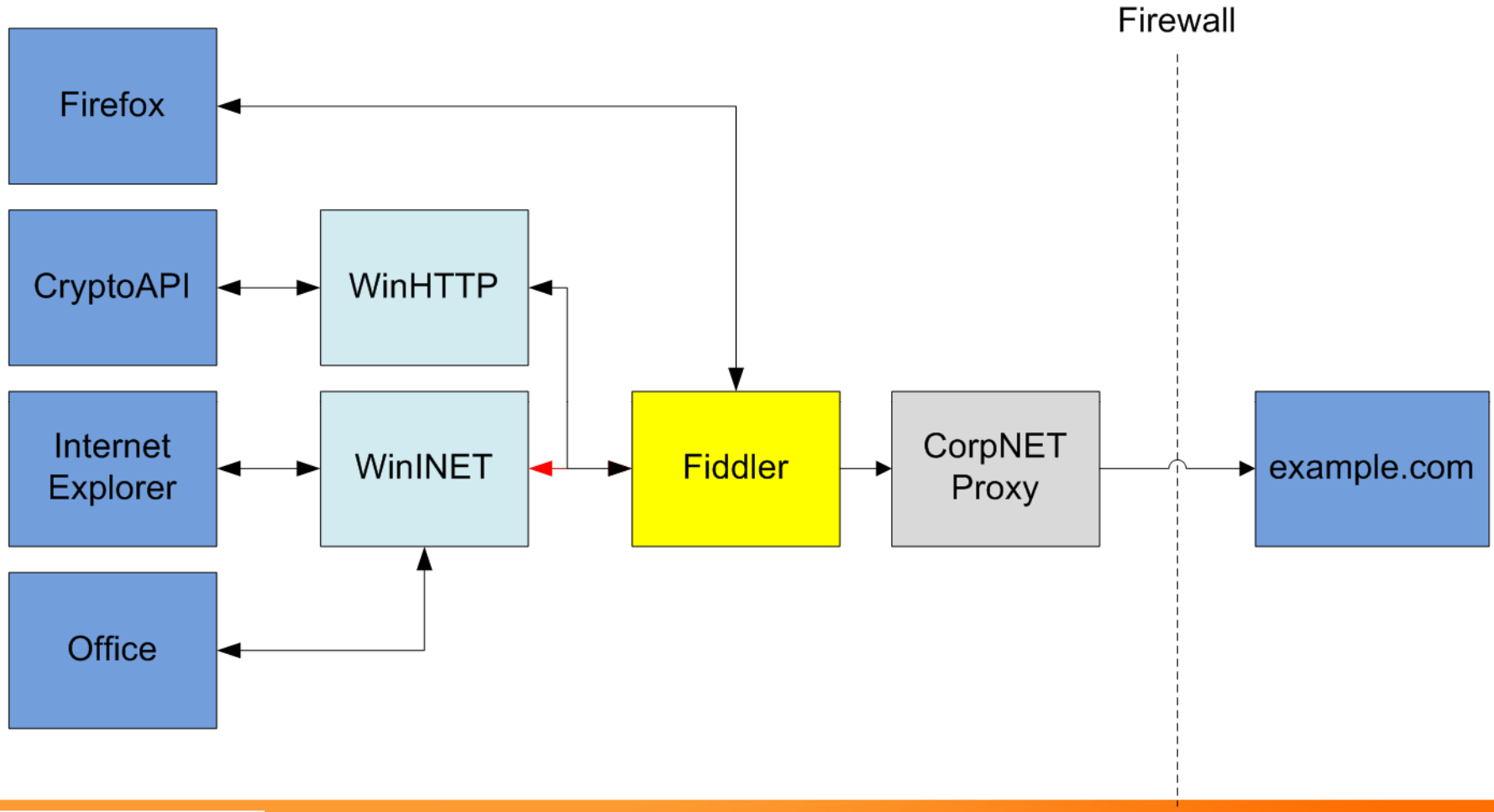
200 computer-scanner02.com /scan1/img/014.gif
200 computer-scanner02.com /scan1/img/002.gif
200 computer-scanner02.com /scan1/?pid=259&engine...
200 computer-scanner02.com /scan1/geoip.php
200 computer-scanner02.com /favicon.ico
200 CONNECT urs.microsoft.com:443
200 CONNECT urs.microsoft.com:443
200 CONNECT urs.microsoft.com:443
200 CONNECT urs.microsoft.com:443
302 computer-scanner02.com /download.php?id=259
200 computer-scanner02.com /download/Soft_259.exe
0 CONNECT urs.microsoft.com:443
0 CONNECT urs.microsoft.com:443
200 ocsp.comodoca.com /MFIwUDBOMEwwSjAJBg...
QuickExec: type a command...
Gallery FiddlerScript Filters Timeline Differ
Statistics Inspectors AutoResponder Request Builder
Headers TextView WebForms HexView Auth Raw XML
Request Headers [Raw] [Header Definitions]
GET /download/Soft_259.exe HTTP/1.1
Client
Accept: application/x-ms-application, image/jpeg, application/xaml+xml, image/gif, image/pjpeg, applicatic
Transformer Headers TextView SyntaxView ImageView HexView WebView Auth
Caching Privacy Raw XML
00000000 48 54 54 50 2F 31 2E 31 20 32 30 30 20 4F 4B 0D HTTP/1.1 200 OK.
00000010 0A 44 61 74 65 3A 20 54 68 75 2C 20 30 31 20 4F .Date: Thu, 01 O
00000020 63 74 20 32 30 30 39 20 30 31 3A 32 32 3A 32 38 ct 2009 01:22:28
00000030 20 47 4D 54 0D 0A 53 65 72 76 65 72 3A 20 41 70 GMT..Server: Ap
00000040 61 63 68 65 0D 0A 43 6F 6E 74 65 6E 74 2D 4C 65 ache..Content-Le
00000050 6E 67 74 68 3A 20 31 38 37 39 30 34 0D 0A 43 6F ngth: 187904..Co
00000060 6E 6E 65 63 74 69 6F 6E 3A 20 63 6C 6F 73 65 0D nnection: close.
00000070 0A 43 6F 6E 74 65 6E 74 2D 54 79 70 65 3A 20 61 .Content-Type: a
00000080 70 70 6C 69 63 61 74 69 6F 6E 2F 78 2D 6D 73 64 pplication/x-msd
00000090 6F 77 6E 6C 6F 61 64 0D 0A 0D 0A 4D 5A 50 00 02 ownload....MZP..
000000A0 00 00 00 04 00 00 00 FF FF 00 00 B8 00 00 00 00 .....ÿÿ..¸.....
000000B0 00 00 00 40 00 00 00 00 00 00 00 00 00 00 00 00 ...@............
000000C0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ....
000000D0 00 00 00 00 00 00 00 00 02 00 00 0E 1F BA 0E 00 ..;.....;.....°..
155 [0x9b] 0 Read only
Capturing All Processes 1 / 46 Auto-saved changes to response from Standard.ResponseHeaderView at 13:25:20.5432132

Fiddler，是什么？

- HTTP/HTTPS 调试器
- 以HTTP代理方式，在本机或服务器运行
- C#编写 (.NET Framework v2.0)
- 从这里免费下载
  http://www.fiddler2.com

Fiddler 是什么工作原理？

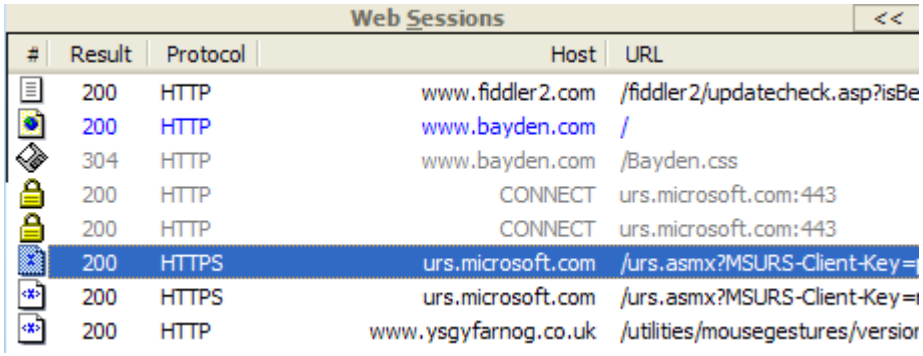


那，Fiddler 有什么用?

- HTTP/HTTPS 流记录和分析
- 修改请求和响应
- 构造网络访问
- 一些工具

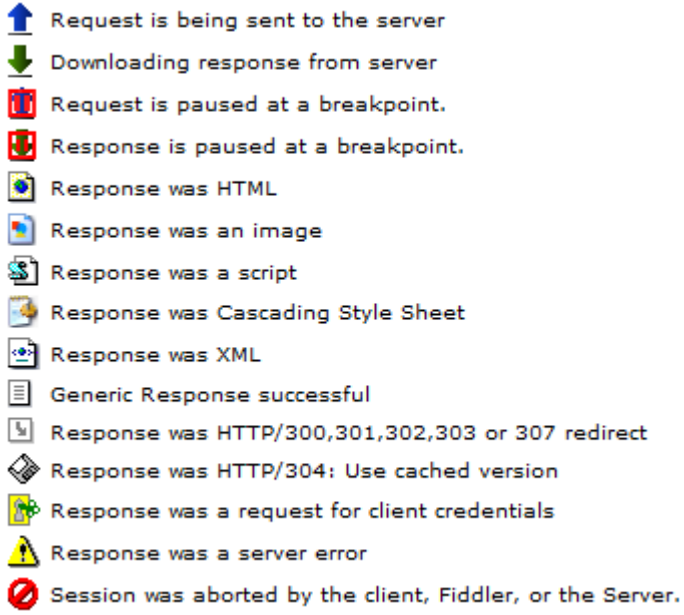
Fiddler的界面和功能

Session 列表

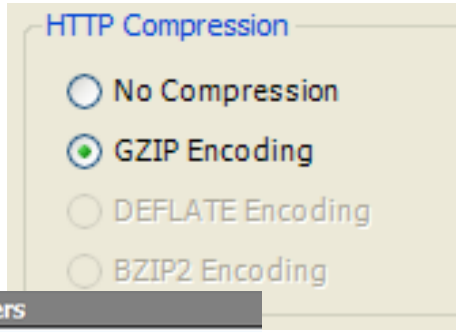


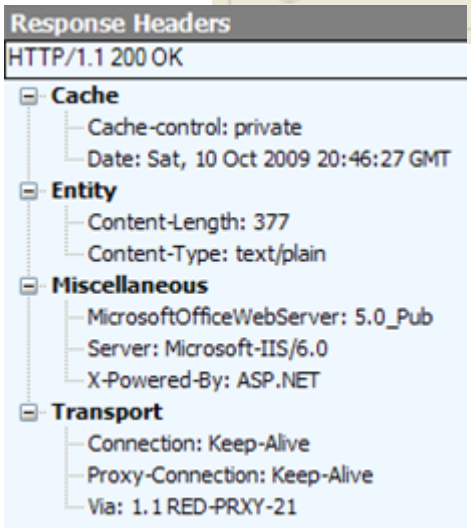
- 显示所有数据流
- URLs, size, 和关键信息

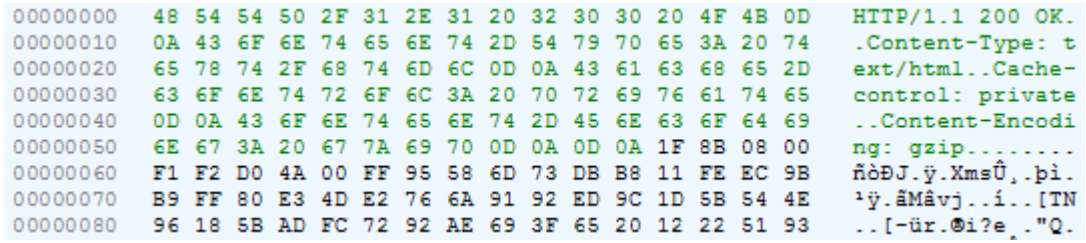
- 状态图标



查看器



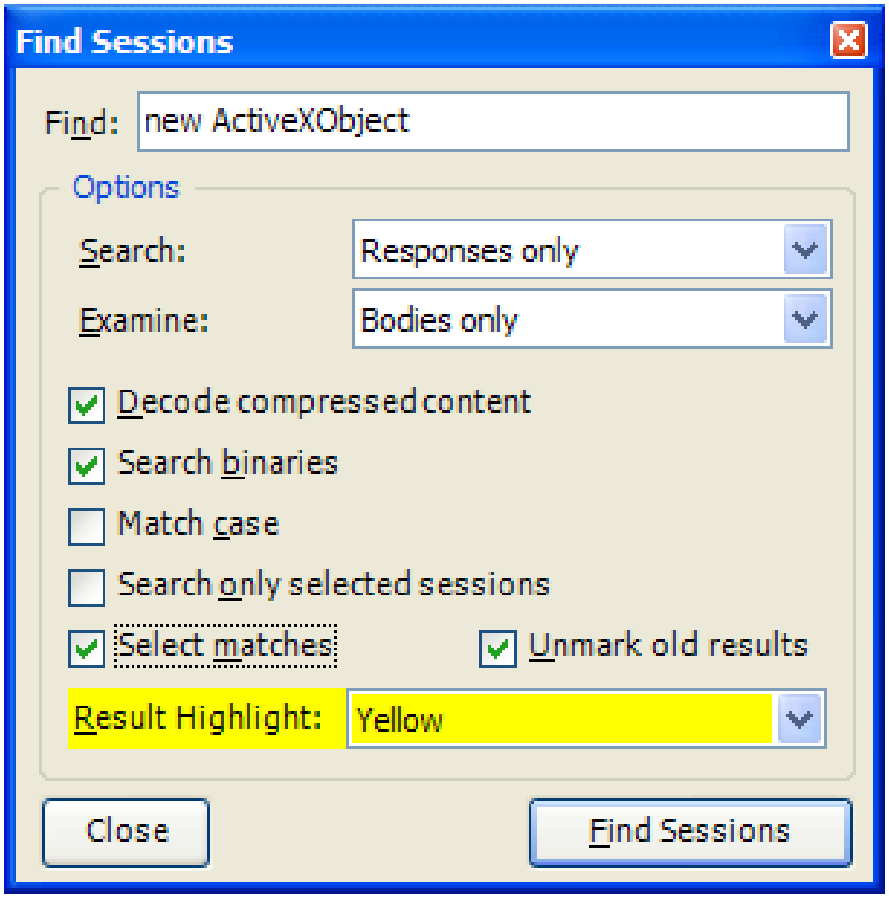




查看器利用很多种形式，让我们查看请求数据的内容

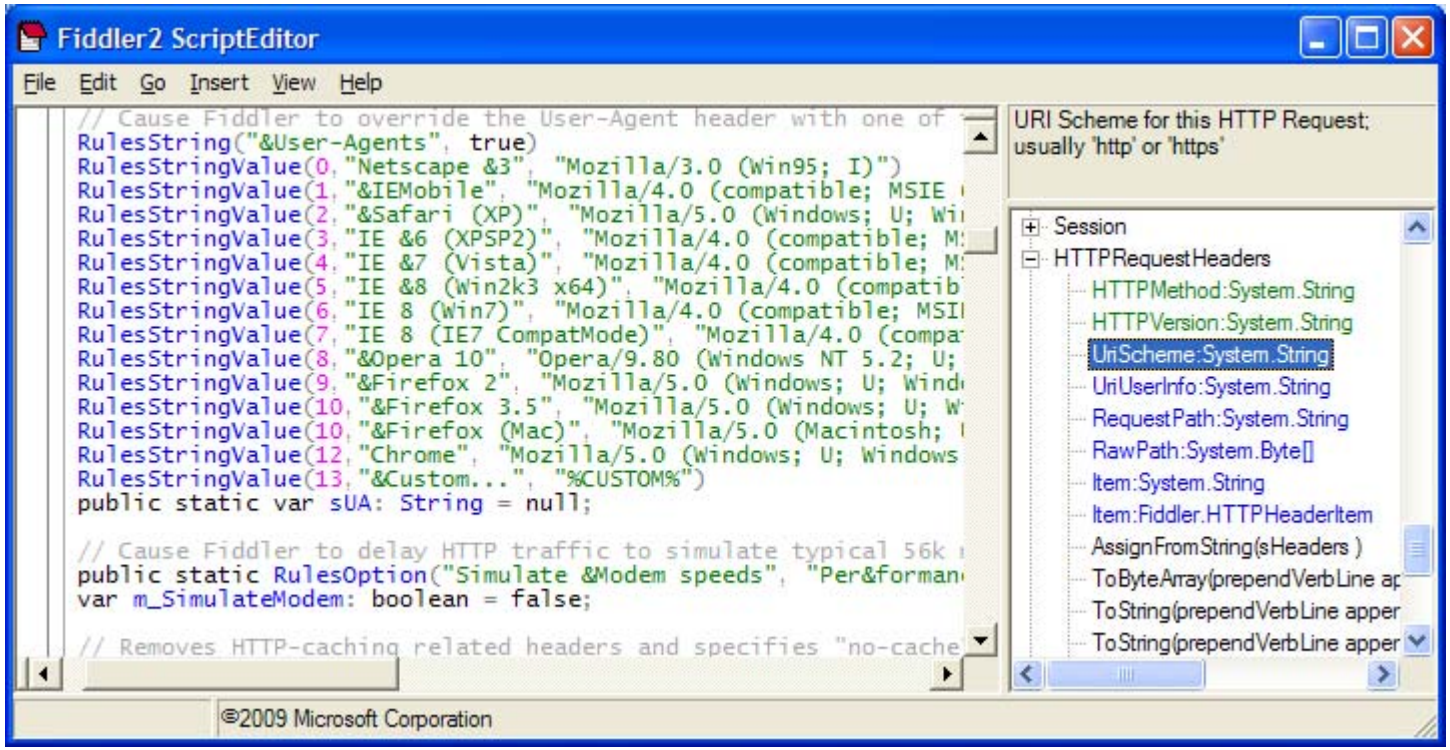
搜索

搜索包含有某个词语的数据流



FiddlerScript 规则

- 规则是Fiddler最强大和有趣的功能!
- 使用JavaScript语法，操纵所有的魔术!

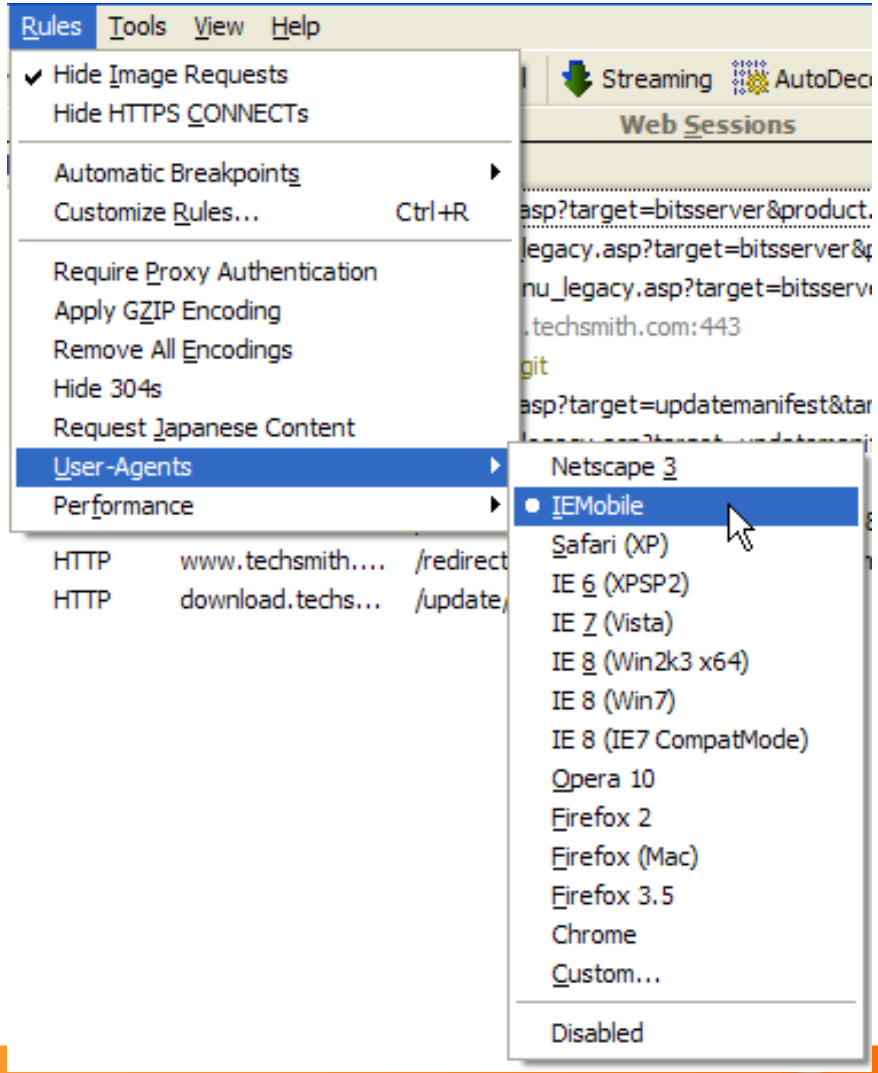


界面可以扩展的哦

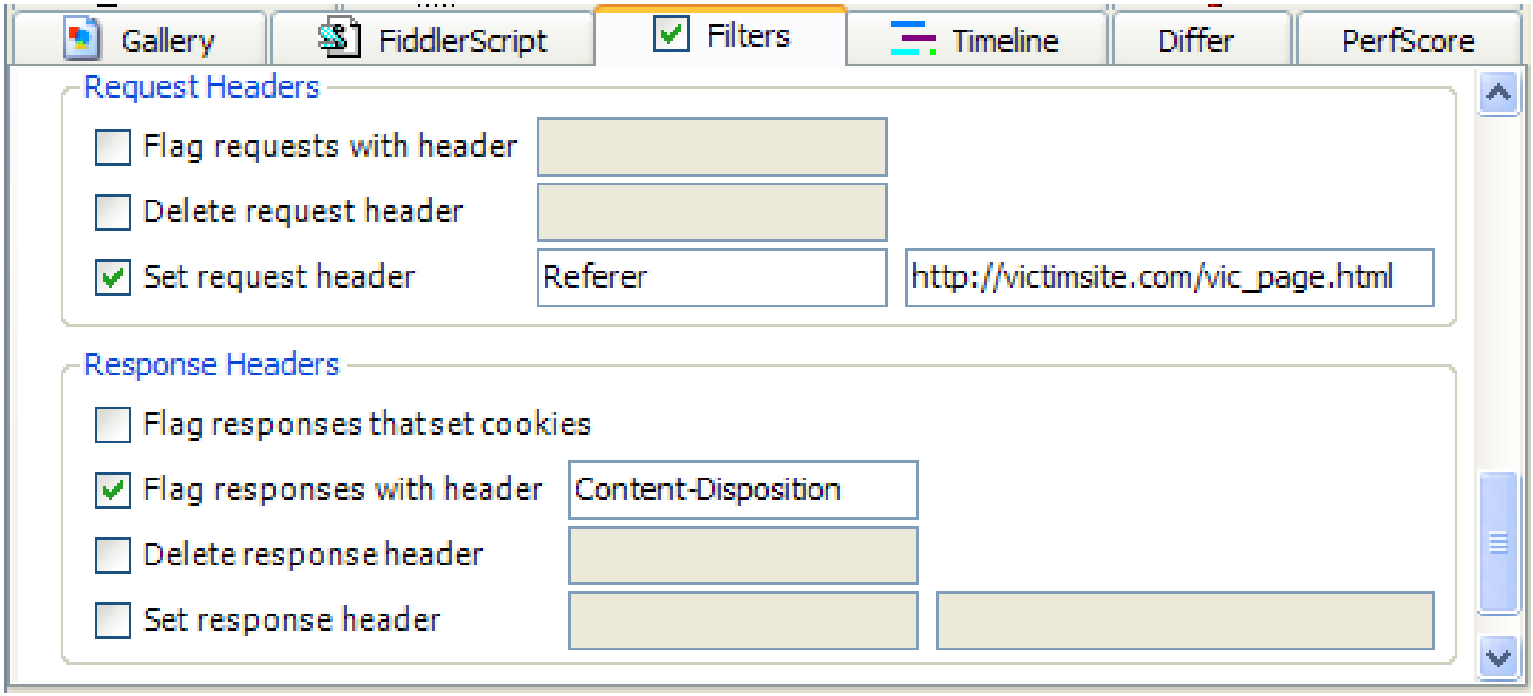
可以添加新的菜单项和tab

Plugins:

http://www.fiddlertool.com/Fiddler2/extensions.asp

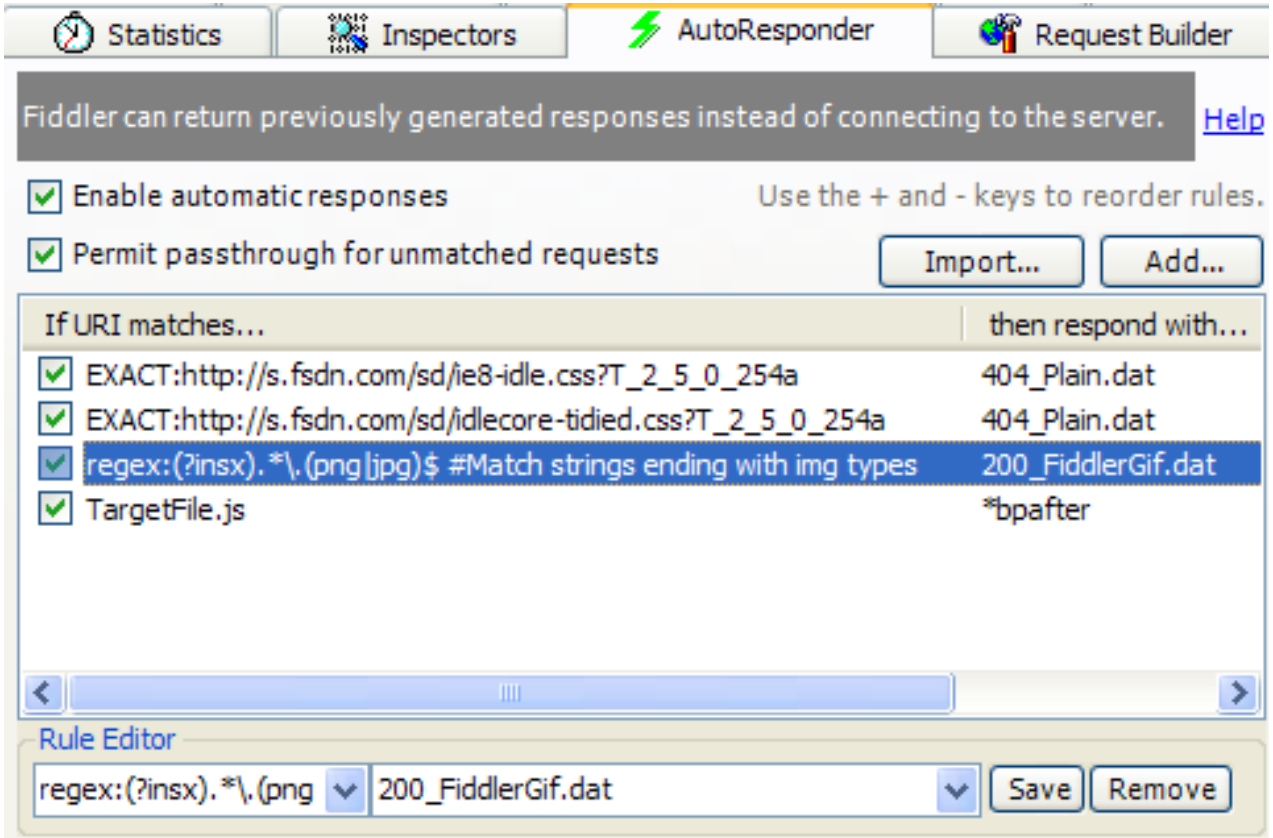


过滤器



- 标记、修改、或隐藏指定特征的数据流

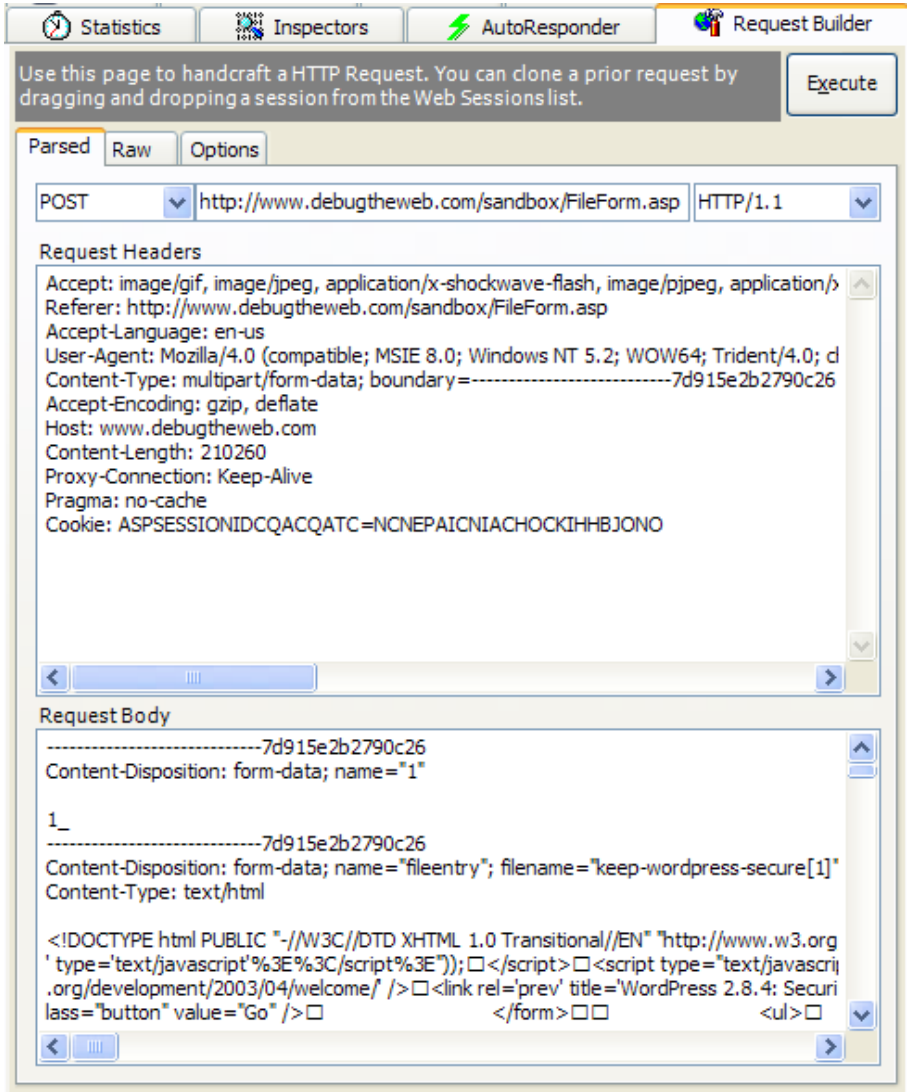
AutoResponder



- 改写返回数据，最实用的功能

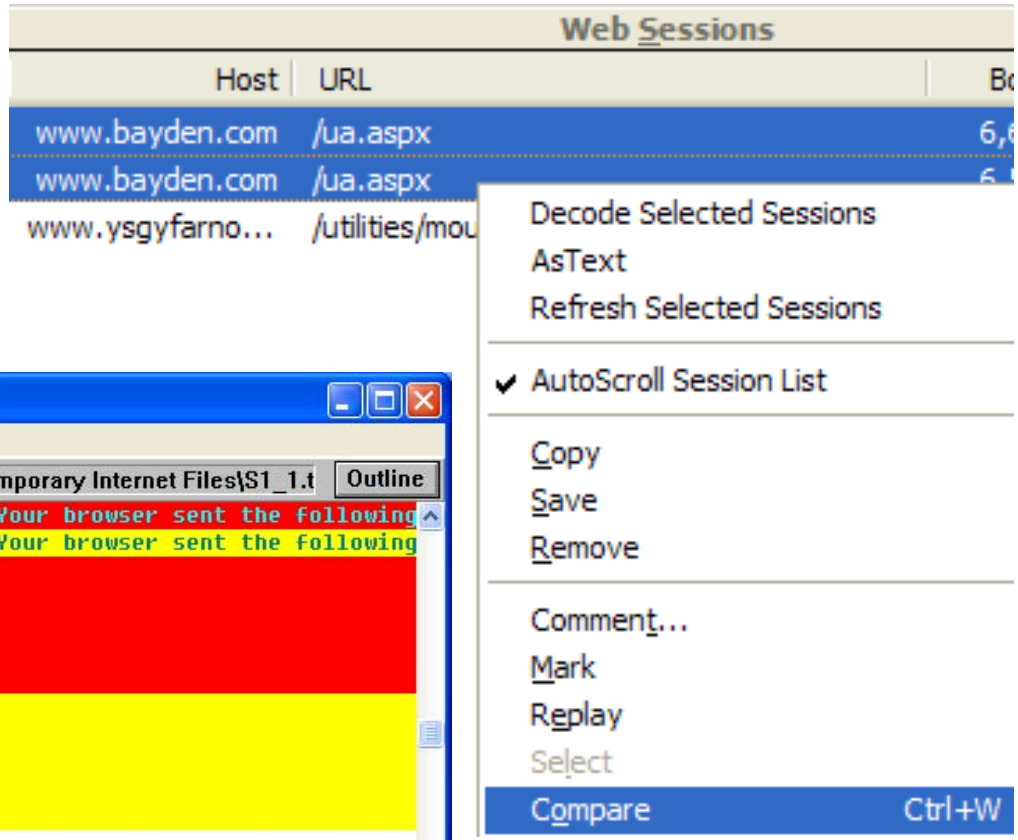
Request Builder

手动创建一个请求，
或者修改后重发一个请求



比较数据流

使用比较器比较不同数据流的请求和返回的数据.



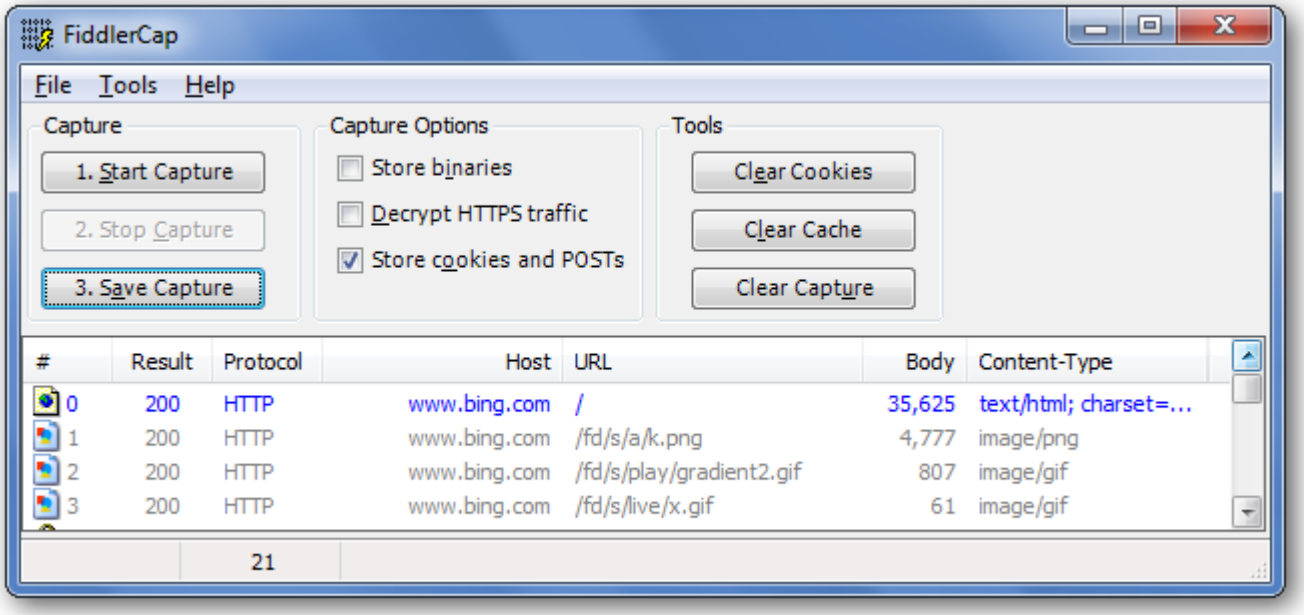
文本编码和解码

一些常用的文本编码转换

SAZ Files

- “Session Archive ZIP” 文件保存数据流.
- SAZ 文件压缩数据，可以设密码保护.
- SAZ 文件可以由Fiddler重新打开.
- FiddlerCap可以由远程（一般是用户）录制，开发工程师打开分析数据流.

FiddlerCap



FiddlerCap用来嗅探和保存

www.fiddlercap.com

来点实例吧！

案例1：分析页面性能

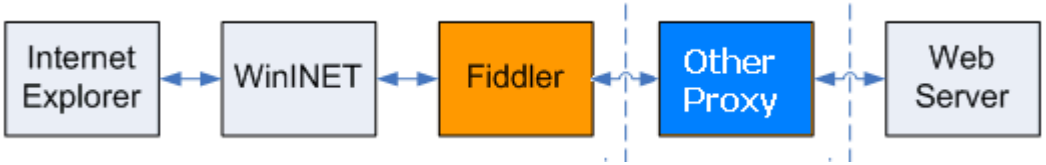
案例2：不绑定，调试js程序

案例3：模拟慢速网络

- Modem
- Server is down

tips

- Firefox
- Non-Windows
- Fiddler和其他代理服务器一起工作



更高级的内容

- https嗅探
- Fiddler rule编写
- 插件开发
- Fiddler 作为反向代理服务器

Q&A

Thank you!