

常用前端性能工具

测试网站：<http://shop.ci123.com/flashsale/>

1 浏览器插件类

FireBug (支持各种浏览器)

对页面进行调试，可以记录所有网页的访问耗时，下载的资源等。

Page Speed (Chrome/FireFox)

白盒测试分析工具，根据一定的规范来检测网页的优化程度，而不是实际的去监听和过滤页面访问所花费的时间。因此这只是一个最佳实践规则和建议的检测工具。

Yslow (Chrome/FireFox/Opera/Safari)

基于 firebug 的评测分析工具，yahoo 产；和 page speed 类似工具，会给出页面的评分和优化说规则，同时会提供页面下载资源的统计分析功能。

FeHelper (Chrome)

功能：**编码规范检测**、**代码压缩**、**页面性能检测**、栅格检测、时间戳转换工具、正则表达式工具、字符串编解码、代码美化工具、JSON 格式化、二维码生成。

2 在线网站类

WebPageTest——<http://www.webpagetest.org/>

The screenshot shows the ShowSlow website's main interface. At the top is a navigation bar with links: HOME, TEST HISTORY, FORUMS, DOCUMENTATION, and ABOUT. The main heading is "Test a website's performance". Below this are three tabs: "Analytical Review" (highlighted with a red box), "Visual Comparison" (highlighted with a red box), and "Traceroute". A large yellow "START TEST" button is on the right. The central form includes a text input for "Enter a Website URL", a "Test Location" dropdown menu (set to "Dulles, VA USA (IE 8-11, Chrome, Firefox, Android, iOS)" with a "Select from Map" link), and a "Browser" dropdown menu (set to "Chrome"). Below the form is an "Advanced Settings" section with a right-pointing arrow and the text "1 run, Cable connection, results are public". A paragraph of text describes the tool's capabilities: "Run a free website speed test from multiple locations around the globe using real browsers (IE and Chrome) and at real consumer connection speeds. You can run simple tests or perform advanced testing including multi-step transactions, video capture, content blocking and much more. Your results will provide rich diagnostic information including resource loading waterfall charts, Page Speed optimization checks and suggestions for improvements." Another paragraph mentions a "Forums" link for performance questions. The footer contains "Recent Industry Blog Posts" and "Recent Discussions" links.

ShowSlow——<http://www.showslow.com/>

可以和 YSlow, Page Speed ,dynaTrace 通信 ,收集插件或程序所发送的信息并集中展示。

The screenshot shows the ShowSlow website's main interface for monitoring. At the top right are "Sign Up" and "Log in" links. The main heading is "Is your website getting faster?" with a yellow "Sign up now!" button. Below this is a navigation bar with links: "+ Add a URL", "Last measurements", "URLs measured", "Compare rankings", "Alexa Top 100", "Blog", "Schwag", "Configuring tools", and "Download ShowSlow". A large yellow section contains a form to "Add your URL to be monitored" with a text input (containing "http://www.example.com/") and an "Add URL" button. Below this is a paragraph of text describing the tool: "Show Slow is an open source tool that helps monitor various website performance metrics over time. It captures the results of YSlow, Page Speed Insights, WebPageTest and dynaTrace AJAX Edition rankings and graphs them, to help you understand how various changes to your site affect its performance." Another paragraph mentions "ShowSlow.com (this page) is a demonstration site that continuously measures the performance of a few reference web pages. It also allows for public metrics reporting, and keeps data for 90 days." A third paragraph provides instructions on how to make measurements public or private. A fourth paragraph mentions a Google Group and a GitHub repository for questions and issues. The footer includes "Public instance sponsored by:" and the Akamai logo with the tagline "FASTER FORWARD". A yellow "SHOW SLOW" diamond logo is on the right side of the page.

3 独立程序类

DynaTrace Ajax Edition (Firefox/IE)

强大的底层追踪、前端性能分析工具 ,该工具不仅能够记录浏览器的请求在网络中的传输时间、前端页面的渲染时间、DOM 方法执行时间以及 JavaScript 代码的解析和执行时

间，还可以跟踪 JavaScript 从执行开始，经过本地的 XMLHttpRequest、发送网络请求、再到请求返回的全过程。

优势：支持 js 函数级分析、IE

Fiddler (Chrome/FireFox/IE)

Microsoft 的一款 web 调试工具，它记录所有本地的 http 通信。

HttpWatch (FireFox/IE)

它只支持插件版的，即只能在浏览器上使用，而且只能抓对应浏览器的 http 通信，且不支持 http 通信的调试；不过它有页面加载用时的统计功能，可以统计一个页面总用时什么的，所以这个工具更适合用于站点的页面性能分析。