

# Firebug

<http://www.getfirebug.com/>

- Core
- Extensions
  - FirePHP
  - YSlow
  - Firecookie

# Firebug Core

- DOM Viewer
- Console
- JavaScript debugger
- Net view

# FirePHP

- Print to Firebug console with PHP function call
- Keep page clean and logs in one place
- <http://www.firephp.org/>

# FirePHP

1. Include fb.php
2. Enable output buffering
3. Log some data
  - a. `fb('hello world')`
  - b. `fb('warning world' ,FirePHP::WARN);`
  - c. `fb($_SERVER, 'Server Variables', FirePHP::LOG);`

# YSlow

- embedded into Firebug
- analysis for
  - Performance
  - Cache
  - Components
- JSLint integration
- <http://developer.yahoo.com/yslow/>

# YSlow Performance

The screenshot shows the YSlow performance tool interface. At the top, there are tabs for 'Inspect', 'Performance', 'Stats', 'Components', 'Tools', and 'Help'. Below these are sub-tabs for 'Console', 'HTML', 'CSS', 'Script', 'DOM', 'Net', and 'YSlow'. The main content area displays a 'Performance Grade: A (92)' and a list of 13 optimization suggestions. The first suggestion, '1. Make fewer HTTP requests', is marked with a 'C' grade and includes two red text notes: 'This page has 6 external JavaScript files.' and 'This page has 11 CSS background images.' The other suggestions are marked with 'A', 'B', or 'n/a' grades. At the bottom, a status bar shows 'Done', a green checkmark, a globe icon, and the text 'A 189.7K 1.594s'.

Grade	Suggestion
C	1. Make fewer HTTP requests <i>This page has 6 external JavaScript files.</i> <i>This page has 11 CSS background images.</i>
A	2. Use a CDN
B	3. Add an Expires header
A	4. Gzip components
B	5. Put CSS at the top
A	6. Move scripts to the bottom
A	7. Avoid CSS expressions
n/a	8. Make JS and CSS external
B	9. Reduce DNS lookups
A	10. Minify JS
A	11. Avoid redirects
B	12. Remove duplicate scripts
A	13. Configure ETags

Done ✓ A 189.7K 1.594s

# Firecookie

- View, create, remove for site
- Set site-wide or global permissions
- <http://www.softwareishard.com/blog/firecookie/>