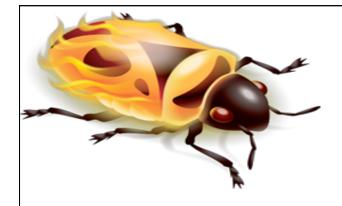
JavaScript Debugging

tl;dr

- If JavaScript runs in the browser it <u>must</u> be debugged in the browser
- All browsers have their own debugging tools
- Fortunately they all behave pretty much the same way and all have ...
 - o DOM inspection
 - CSS debugging
 - JavaScript debugging
 - Network analysis

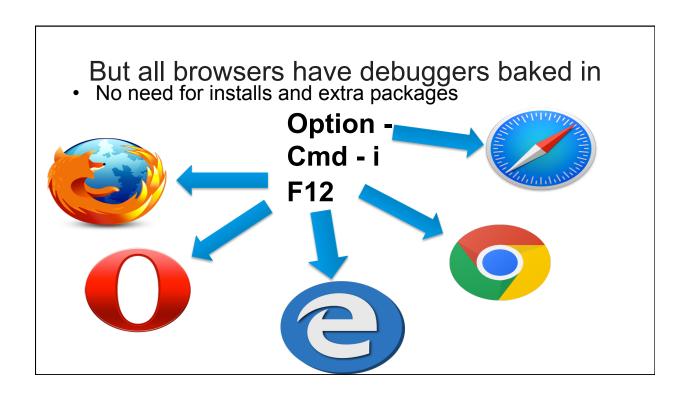
JavaScript <u>runs</u> in the browser so it must be debugged in the browser





Firebug was the trailblazer for debuggers

It's the original Firefox add-on Needed to be installed But now merged with built-in Firefox tools





```
console.log(
   "%s %s works as a %s. Whole object: %o",
   person.title, person.lastName,
   person.job, person);
  %s - string
 %f - floating point number
                                                   console.log can
• %d or %i - integer
                                                           format

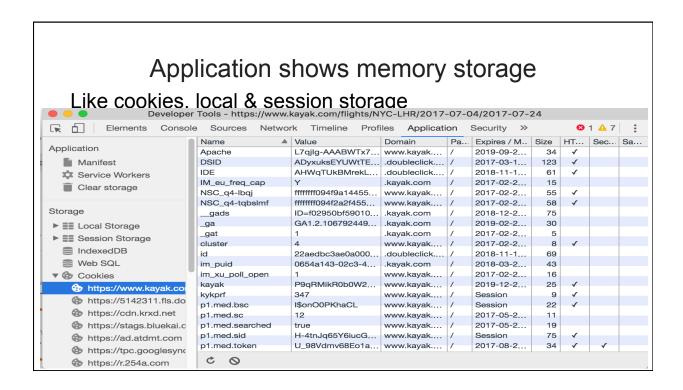
    %o - Expandable DOM object

  %O - Expandable JavaScript object
Dr. Honeydew works as a Professor. Whole object: ▼ Object []
                                         assistant: "Beaker"
                                       birthDate: Tue Apr 18 1978 18:00:00 GMT-0600 (CST)
firstName: "Bunsen"
                                         job: "Professor"
lastName: "Honeydew"
                                         title: "Dr."
                                         __proto__: Object
```

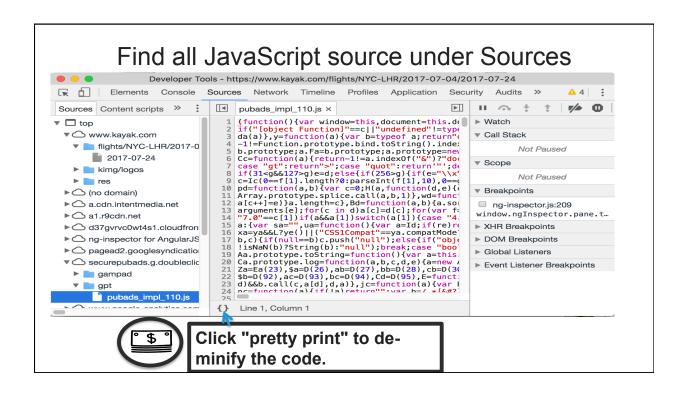
All Browsers Tools Work Pretty Much Alike

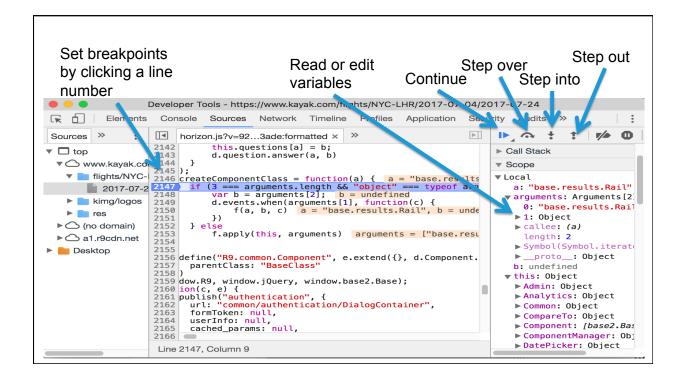
 Let's see how Chrome works differently. This'll give us clues as to how the others work

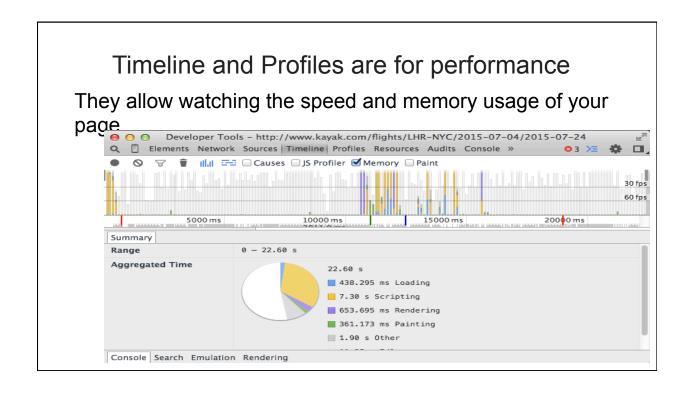


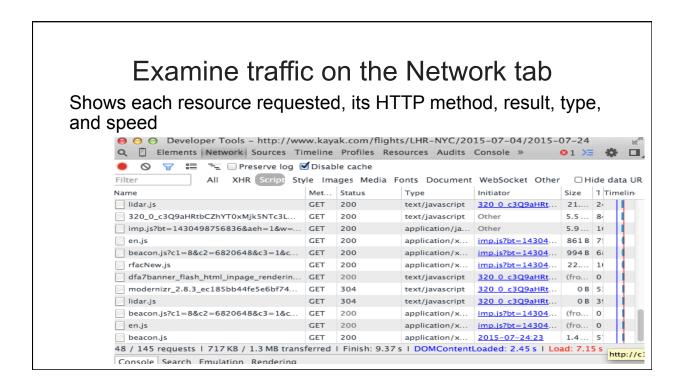


Debugging JavaScript









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