

ORION

The logo for ORION features the word "ORION" in a bold, sans-serif font. The letter "O" is a large, hollow grey circle. The letters "R", "I", and "N" are solid grey. The letter "O" is replaced by a solid yellow circle. Three additional solid yellow circles are positioned around the central yellow circle: one above and to the right, one below, and one to the left.

The web is the platform

- **Essentially all non-coding development activities are done in the browser**
 - Bug tracking (Bugzilla, JIRA, Trac, Rational RTC)
 - Builds (Hudson, PhoneGap Build)
 - Code review (Bugzilla, Gerrit, GitHub)
 - Documentation (JavaDoc, Code Snippets)
 - Browsing code repositories (GitHub, ViewCVS, Rational RTC)
 - Debugger (Firebug, WebKit Inspector)
- **Orion addresses remaining “core coding” activities**
 - Code editor, navigator, search, working with SCM
 - Provide support for shared workflows across a set of linked web pages

Orion design principles

- **Use native browser capabilities**
(real hyperlinks, back button, bookmarking, link sharing)
- **Task-oriented / Resource-focused**
(Page = task + resource)
- **Performant and lightweight**
(Speed trumps power)
- **Low barriers to entry for adopters**
(Components have value on their own)

Orion Summer 2011 Release – 0.2

- Main focus was enabling *self-hosted* Orion Development
 - *Trade-offs involved (i.e. architectural debt)*
- Code Editor / Compare Editor (Textmate Grammar Support)
- File Navigator (pluggable)
- Unit Testing
- Site Launching
- Plugin / Extension Support
- Basic Language Tooling (JavaScript / HTML / CSS)
- Basic Source Control Management

Developing “the Orion way”

Four month release/planning cycle:

- Milestone 1 – six weeks
- Milestone 2 – six weeks
- Release Candidates / End Game – four weeks

Self-host with and release to orion.eclipse.org “continuously”:

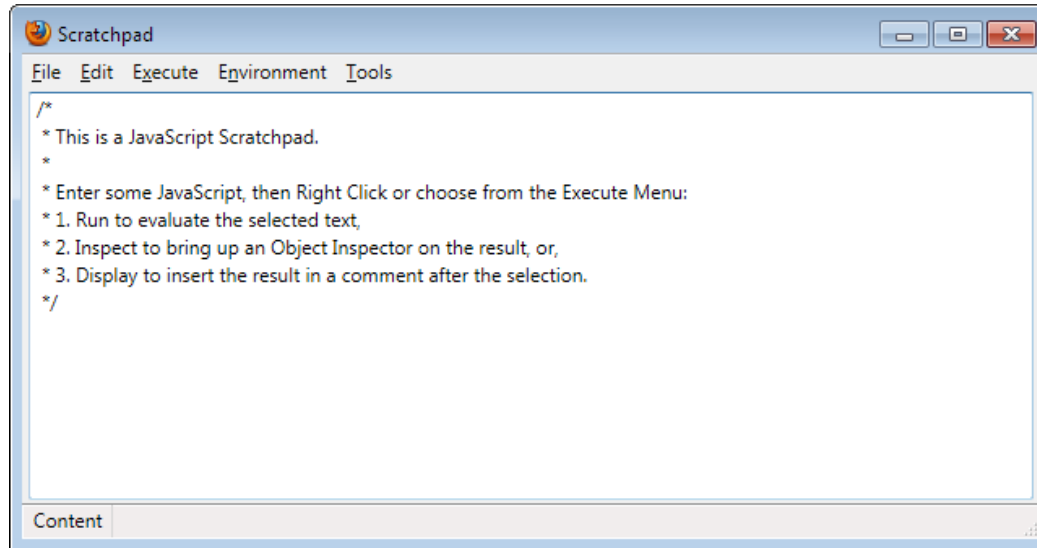
- Promote and use the “current” build daily or faster
 - (Still learning and trying to improve automation)
- Immediate benefits
 - Reduced integration build overhead
 - Serious bugs (not caught by automated tests) found and fixed immediately -- “breaking the build”

Orion Fall 2011 Release – 0.3

- Main focus is *integration*
- Web Standards - (Web Intents/Actions, OSLC, JS Debugging)
- Working with partners - (RTC, Mozilla, Google)
- Completing the Orion Plugin and Extension story
 - Authentication, Blob Support, New Extensions
 - “Server-oriented” vs. “Service-oriented”
- Incremental Improvement to tooling
 - New and Noteworthy – [\[1\]](#) [\[2\]](#)

Integration with Firefox

- Orion Editor used in Firefox Web Developer Tooling – Scratchpad



- Huge and diverse user-base
- Push BiDi, I18N, and accessibility capabilities and requirements
- Partner for improving HTML Editing APIs

http://eclipse.org/orion/

Orion: Tools for the web, on the web

Join the Community Already Using Orion? [Sign In](#)

ORION

Tools for the web, on the web

[Try it](#) [Watch it](#) [Get Started](#)

ORION Examples

Alternate CSS A Very Large File

```
1 /*****
2 *
3 * This is an Orion Editor, running in your browser using javascript.
4 *
5 * We've prepared some examples of what Orion can do, click the links above
6 * to explore.
7 *
8 * Example #1 - This is the javascript used on this page to embed Orion
9 *
10 *****/
11 function getFile(file) {
12     try {
13         var objXml = new XMLHttpRequest();
14         objXml.open("GET", file, false);
15         objXml.send(null);
16         return objXml.responseText;
17     } catch (e) {
18         return null;
19     }
20 }
21
22 var options = {
23     parent: "editorDiv",
24     model: new eclipse.TextModel(),
25     stylesheet: "css/ide.css"
26 }
```

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