



# Orion Project 0.5 Release Review



# New Features

- Navigation features:
  - Improved in-page navigation and selection
  - Selection model unified across pages
  - Redesigned Navigator Page
- Overall UI features:
  - Re-branded look and feel
  - Improved breadcrumbs and title area
  - New Create Content area in Navigator
- New Landing Page
  - Auto-redirect to login landing page when not authenticated



# New Features

- Git improvements:
  - Completely new Git Status page (flat UI)
  - Improving Git performance
- Console Page:
  - Extendible console window for command line actions
  - Implemented by use of Mozilla's GCLI
    - <https://wiki.mozilla.org/DevTools/Features/GCLI>
- Internationalization:
  - i18N architecture for externalizing messages
  - Plugin to assist with externalization
- HTML5 File System Plugin
  - Supported on Chrome allows completely local development

# Non-Code Aspects



- Orion User Guide and Orion Developer Guide included with release. Documentation developed using Mylyn WikiText
- Developer Guide includes server administration guide that describes how to setup and manage the server
- Public beta server hosted by Eclipse Foundation: [orionhub.org](http://orionhub.org)
- Blog for New and Noteworthy updates: [planetorion.org](http://planetorion.org)
- Community is very active
  - Mailing list has steady activity
  - Firefox 10 includes Orion editor for Scratchpad and now Style editor
  - Firebug plugin for integrating with Orion
  - Wiki content is growing
    - <http://wiki.eclipse.org/Orion>
  - Orion webinar: <http://live.eclipse.org/node/1006>

# API



- Orion has initial JavaScript API for client side services and components
- HTTP API for accessing server functionality
- No Java API on the server to allow for alternate server implementation languages and technologies
- Client API documented using jsdoc
- No APIs are final while Orion is incubating
- List of API changes in 0.5 can be found here
  - [http://wiki.eclipse.org/Orion/Plugin\\_API\\_Changes/R0.5](http://wiki.eclipse.org/Orion/Plugin_API_Changes/R0.5)

# Non-Code Aspects



- **Internationalization**
  - I18N localization is almost complete
  - New architecture for allowing off site language packs
  - Plugin/Page to assist with generating message bundles
  - Editor is capable of displaying non-latin characters and supporting bidirectional text
  - All existing pages have had strings externalized
  - Working with Babel project for translations
- **Accessibility**
  - Devoted student time to accessibility through 1Q12
  - Defects logged and being addressed by team
  - Focus point in 0.5 and thru to next release

# Architectural Issues



- Strong architecture and modularity of Orion client
- CommonJS module format used to facilitate client side reuse
- JavaScript plugin architecture allows for integration via linking rather than a monolithic application: architecture designed for the web
- Editor and “text view” components factored out with no external dependencies to enable reuse by other applications
- Exploring how to make seamless tooling workflows across multiple web sites
  - Enabling commands on links inbound to Orion ("Clone this repository", "Install this Plugin")
  - Allowing Orion plugins to define outbound links to related content on other sites
- Targeting modern HTML5-compliant browsers: Chrome, Firefox, Internet Explorer, Safari

# Tool Usability



- High priority is landing experience for new Users
  - Improved login/logout page
- High priority was unification of pages for style and selection models
- Unified settings page for plugins/profile/other settings
- Much improved JavaScript outliners are now available as plugins
  - Esprima parser now including in base Orion
- Character level compare in differences views
- Search highlights all matches
- Addressing performance concerns with in-depth analysis to page and plugin load times
- First time user presented with options to populate Navigator/Workspace



# End of Life Issues



- None.

# Bugzilla



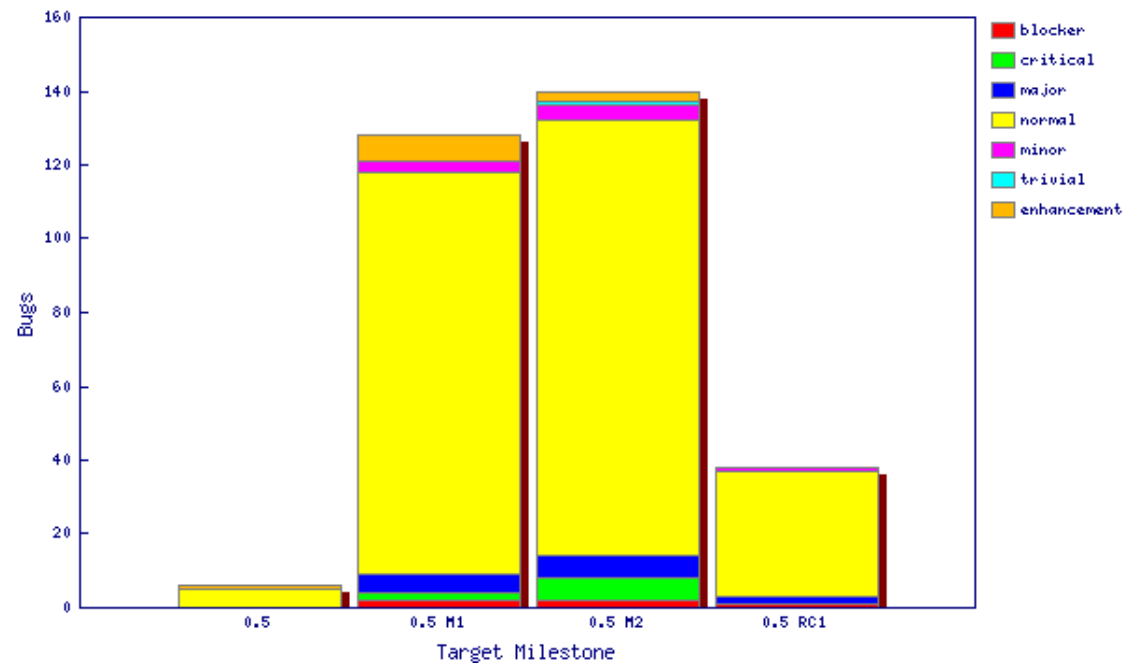
- Between Feb 14, 2011 and Jun 4, 2012 (RC1)
  - 644 reports were created
  - 324 were resolved/closed
- Current state (RC1) is:
  - 0 blockers, 4 critical
  - 0 P1, 7 P2

# Bugs fixed during 0.5



Severity	Target Milestone					
		0.5	0.5 M1	0.5 M2	0.5 RC1	Total
	blocker	.	<u>2</u>	<u>2</u>	<u>1</u>	<u>5</u>
	critical	.	<u>2</u>	<u>6</u>	.	<u>8</u>
	major	.	<u>5</u>	<u>6</u>	<u>2</u>	<u>13</u>
	normal	<u>5</u>	<u>109</u>	<u>118</u>	<u>34</u>	<u>266</u>
	minor	.	<u>3</u>	<u>4</u>	<u>1</u>	<u>8</u>
	trivial	.	.	<u>1</u>	.	<u>1</u>
	enhancement	<u>1</u>	<u>7</u>	<u>3</u>	.	<u>11</u>
	Total	<u>6</u>	<u>128</u>	<u>140</u>	<u>38</u>	<u>312</u>

# Fixed bugs – 0.5



# Standards



- Client components conforming to CommonJS Asynchronous Module Definition (AMD) format
- HTML5 standard source code
- URI Templates
  - <http://tools.ietf.org/html/draft-gregorio-uritemplate-08>
- Participating in specification of CrossFire browser debug protocol
  - <http://getfirebug.com/doc/crossfire/crossfire-splash-2011.pdf>

# Community



- Orion team members are active in Bugzilla, newsgroups, mailing lists, Eclipse forums and Twitter
- <http://wiki.eclipse.org/Orion/Buzz> - Continuous press
- Two Google Summer of Code Projects
  - Improving Git forking from GitHub into multiple Orion destinations
  - Google Chrome DevTools integration with Orion components
- Blogs started by Orion committers are active:
  - <http://planetorion.org>
  - <http://planetecclipse.org>
  - Team is using the eclipse-orion IRC channel
  - [irc.freenode.net/#eclipse-orion](http://irc.freenode.net/#eclipse-orion)
  - also see: <http://wiki.eclipse.org/index.php/IRC>
- The Orion team participates in code camps, conference presentations, and tutorials, including
  - EclipseCon, What's Next Conference, jsconf, Eclipse Demo Camps
- The Orion team interacts with other open source projects, standards bodies, and other projects on eclipse.org, including
  - Mozilla, Dojo Foundation (Dojo framework, Maqetta), JGit, Mylyn, jsdoc, Firebug, CodeMirror, Esprima

# UI Usability



- In 0.5 the UI across the various Orion pages was a key focus
  - Many pages had different looks, used check boxes vs. selection mode, displayed differing breadcrumbs as some examples
  - A UX meeting was established to go over the various aspects of the UI and come to define standards for pages and their sections – these were implemented in 0.5 mostly through M2
- The landing experience was greatly improved with a new login page vs. showing a random page or partially filled in Navigator
- The getting started aspects of a New Workspace were moved to a side panel within the Navigator.
- Much improvement in workflows and page layout
  - [http://wiki.eclipse.org/Orion/UX\\_Issues/R0.5](http://wiki.eclipse.org/Orion/UX_Issues/R0.5)

# Schedule



- Utilizing a web-scale release cycle
  - Four month release cycle
  - 13 weeks development, 3 weeks end-game
- Daily build and deployment to self-hosting server
- Tracked schedule
  - All milestones delivered as planned



# Process



- Orion is developed using an open, transparent, and inclusive process
- Team relies on Bugzilla, mailing lists, forums, social media for input
- Weekly planning calls conducted with all contributors welcome
- Self-hosted development on <http://orion.eclipse.org>
  - Meeting minutes posted to the orion-dev mailing list
- Publicly available plan: <http://wiki.eclipse.org/Orion/Plan>

# IP Issues



- All significant and third party contributions have been reviewed and approved by Eclipse legal.
- About files and license files are complete and correct.
- Client code (JavaScript) is dual-licensed with EPL and EDL
- Approved 0.5 release log:
  - <http://www.eclipse.org/eclipse/development/project-log-files/eclipse-orion-0-5-log.html>

# Future Plans



- Continue with 4 month release cycle to keep up with pace of development in the web community. For example with new browsers shipping every 3 months we can't ship Orion once a year and expect to be current
- Aiming for a 1.0 release in November 2012
- Focus on APIs, i18N, Accessibility, Cross-site workflows, User Interface, URI Templates, continued improvements to language support, Test Infrastructure, Git Workflows, Documentation, Performance, Security

