



EclipseRT in Helios

Jeff McAffer

Equinox and RT co-lead

CTO EclipseSource

Projects

- Equinox
- ECF
- EclipseLink
- Riena
- RAP
- Jetty
- GEF
- EMF
- Swordfish
- BIRT
- PDE

Equinox

- Multi-locale support in extension registry
- Added support to send arguments to a running instance of Eclipse
- Equinox Weaving feature
- Support for multi-session Equinox console
- Multi-locale support in extension registry
- New server side features for products to use
- Added Servlet filter support

p2

- Introduced p2 API
- Multiple instances of p2 in one VM
- New Discovery UI
- Revert support added to p2 director
- Performance improvements in p2

ECF

- OSGi 4.2 Remote Services Standard Implementation
 - Discovery: Zeroconf, Slp, Apache Zookeeper, XML File
 - – Distribution: ECF generic, r-OSGi, JMS, XMPP, REST, SOAP, JavaGroups
- Asynchronous Remote Services
 - • Callback-style • Future-style –API could be candidate for standardization. Work going on in OSGi EE right now.
- Apache Zookeeper Discovery
- Distributed Event Admin Message Bus
 - Allows transport-independent interprocess messaging using standardized EventAdmin API
- OSGi Remote Services in SOA Package
- REST and SOAP-Based Remote Services
- Examples and Documentation

EclipseLink

- Performance across the board
- JPA
 - Support for NetWeaver Application Server
 - JPA Query Extensions
 - Enhanced Fetch Group Support
 - Nested relationships, LoadPlan, sparse merge
 - New FUNC Keyword in JP QL
 - Relax parsing restrictions
 - Dynamic Persistence
 - Support for mapping without static classes
- MOXy
 - JAXB 2.2 Compliant
 - Enhanced eclipselink-oxm.xml support
 - Support for Array properties
 - Dynamic persistence
- SDO
 - Server support for WebSphere & Jboss
- DBWS
 - Support DBWSBuilder-generated JAX-WS Provider on Jrocket
 - Support for Eclipse WTP Dynamic Web Project structure

Riena

- RAP integration
- Internationalization
- Improved UI testing support using Junit
- New and improved Ridgets
- Ping all Remote Services
- Significant refactoring and cleanup
- Riena Toolbox – tooling support to edit the assembly and generate view and controllers as well as sample Riena apps

Jetty

- Added JSP 2.1 support
- Increased OSGI support with jetty-osgi module
- Updated many core components to support servlet api 3.0 like features
- Basis for Jetty8 (in milestones) which supports servlet-api 3.0

RAP

EMF

The screenshot displays the EXTLibrary Application interface. The main window shows a hierarchical tree structure under the 'Resource Set' 'My.exlibrary'. The tree includes a 'Library' node, which contains 'Writer Ed Merks' and 'Book EMF'. The 'Book EMF' node is selected. The 'Outline' pane on the right shows the same tree structure. The 'Properties' pane at the bottom right displays the following properties for the selected 'Book EMF' object:

Property	Value
Author	Writer Ed Merks
Borrowers	
Category	Mystery
Copies	0
Pages	100
Publication	
Title	EMF

At the bottom of the application, the status bar indicates 'Selected Object: Book EMF'.

PDE

- Headless launching support
- Console log on by default
- Support software installation while running and debugging
- Import plug-ins from CVS
- Export target content
- API Tooling improvements
- OSGi console in Console view
- Feature-based launches
- Feature-based targets

Starter Kits

- EclipseRT OSGi Starter Kit
 - Equinox, p2
- EclipseRT Web Starter Kit
 - Equinox, p2, Jetty
 - Servlet/JSP bundles, traditional webapps, ...

Outlook on Indigo

- Virgo
- Gemini
- Jetty 8