

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 Jrockit
 - Support for Eclipse WTP Dynamic Web Project structure

Riena

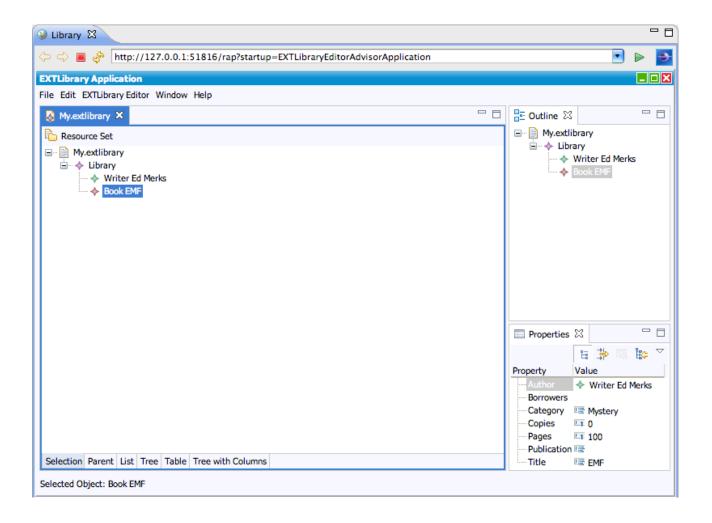
- RAP integration
- Internationalization
- Improved UI testing support using Junit
- New and improved Ridgets
- Ping all Remote Services
- Significant refactoring and cleanup
- Riena Toolbox tooling support to edit the assembly and generate view and controllers as well as sample Riena apps

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



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