ECF 3.8.0

Project Lead: Scott Lewis slewis@composent.com

Dev Mailing List: ecf-dev@eclipse.org

Home Page: http://www.eclipse.org/ecf

Wiki: http://wiki.eclipse.org/ECF

Project Plan: http://www.eclipse.org/projects/project-plan.php?projectid=rt.ecf

Highlights

- ## Discovery: Service Registry Advertising/De-Advertising of IServiceInfos

  See bug for details: https://bugs.eclipse.org/bugs/show_bug.cgi?id=424060

- ## Releng: Metadata for BndTools

  See bug for details: https://bugs.eclipse.org/bugs/show_bug.cgi?id=424251

- ## Documentation: New Tutorials for OSGi Remote Services

  - Introductory: Building First OSGi Remote Service. See https://wiki.eclipse.org/Tutorial:_Building_your_first_OSGi_Remote_Service

  - Building First Asynchronous OSGi Remote Service. See https://wiki.eclipse.org/Tutorial:_Building_your_first_Asynchronous_OSGi_Remote_Service

  - Creating RESTful Remote Service Provider. See https://wiki.eclipse.org/Tutorial:_Creating_a_RESTful_Remote_Service_Provider

Highlights

- ## New Protocol Support: Created Remote Services Provider Based upon MQTT Protocol
    - See bug https://bugs.eclipse.org/bugs/show_bug.cgi?id=420896

- ## Releng: Feature Refactoring
    - Allows ECF consumers to more easily install ECF SDK into Eclipse-based Target Platform
    - Allows ECF consumers to more easily install/use OSGi Remote Services/Remote Service Admin in Server Environments
    - Support Looser Coupling Among ECF Features
    - See https://bugs.eclipse.org/bugs/show_bug.cgi?id=409787

Non Code Aspects

- ## Community Grows and Becomes More Active

  - New consumers of OSGi 5 RS/RSA standard implementation

  - Mailing list: ecf-dev@eclipse.org active.

  - ECF Blog is active: http://eclipseecf.blogspot.com, ECF Forum active

- ## Internationalization, Localization, Accessibility

  - Meeting all Luna Requirements.

  - As runtime project, ECF has minimal UI (modulo example apps)

Committer Diversity

- ~5 active committers
- Committers and contributor from multiple companies
    - Remain Software, Composent, IBM
    - Individuals
- Committers from multiple countries

    Russia, Brazil, US, Germany, Denmark, France, Netherlands

API

- ## In Active Use for Commercial/Non-commercial projects

  - P2/Platform: ECF filetransfer

  - OSGi Remote Services/RSA: Multiple community consumers

  - Commercial products/projects

- ## ECF is actively working to support OSGi R6 as soon as complete

  - RFC 203: RSA 1.1 enhancements on ECF rfc1.1 branch

- ## Improved (and improving) Documentation

  - New Tutorials

  - Reorganized Wiki Pages to make more clear for new OSGi Remote Services users

Bugzilla

- ## 63 bugs resolved since ECF 3.7.1 (10/27/2013)

  - https://bugs.eclipse.org/bugs/buglist.cgi?chfield=resolution&chfieldfrom=2013-10-27&chfieldto=Now&chfieldvalue=FIXED&classification=RT&list_id=8293789&product=ECF&query_format=advanced&resolution=FIXED

IP Issues

- No new CQ's

- About files and license files are complete and correct.

Standards: OSGi Remote Services/Remote Service Admin

- Currently provides full/complete implementation of OSGi specifications

- Passes OSGi R5 CT. Currently running OSGi R5 CT as part of Project Continuous Integration

- Only implementation that supports modular/pluggable and open discovery and distribution providers

- Transport independent architecture allows easy addition/support for new Discovery and/or Distribution transports (e.g. MQTT, REST+json, etc). No other RS/RSA implementation provides this.

- Committer Scott Lewis Joined EEG as Invited Researcher

- Will Fully Support RS/RSA R6 (RFC 203) in Luna Release

ECF Plans (Preliminary)

- OSGi R6
    - Complete Implementation of RFC 203 (RSA 1.1) for Luna
    - Complete Impl of RFC 203 (RSA 1.1) for Luna
    - Complete Testing of RS/RSA Impl against R6 CT
    - Submit RS/RSA Implementations as Candidate for OSGi Reference Implementation
- New Providers (committers and community contributions)
    - Create/Add Websocket-based Remote Service Provider
    - Other Remote Service and Discovery Providers through community contributions
- Additional RS/RSA Tutorials, Examples, Documentation
- Update Zookeeper Discovery Provider
- Deliver Examples of Python<->Java Remote Services