



# ECF 3.5.1

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

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

# Highlights



- **Remote Service Admin (RSA)**
  - Full implementation of OSGi 4.2 Remote Service Admin (RSA), chapter 122 in enterprise specification
  - Allows consumers to easily replace discovery and distribution systems using ECF's provider architecture
  - All ECF providers are standards compliant right now
  - Standardized OSGi endpoint description extender format (section 122.8) obsoletes old/RFC 119-based format
  - Contributed by Scott Lewis/Composent, Inc
  - Received access to OSGi TCK around ECF 3.5 release time.
    - Result: many compatibility bug fixes for 3.5.1
    - With 3.5.1 release, ready for OSGi certification

# Highlights



- XML-RPC provider
  - Supports remote service invocation through a proxy and/or async proxy
  - Based on the Apache XML RPC Version 3 library  
(IP approved: [https://dev.eclipse.org/ipzilla/show\\_bug.cgi?id=4549](https://dev.eclipse.org/ipzilla/show_bug.cgi?id=4549))
  - Contributed by Pavel Samolisov
- ECF RS/RSA independent from Equinox
  - Apache Felix is now also supported
  - ECF4Felix project available at <https://github.com/ECF/ECF4Felix>
  - Allows even more consumers to use ECF within their environment
  - From Markus Alexander Kuppe

# Highlights



- **ECF Documentation Project**
  - new approach to further improve the ECF documentation
  - community votes for documentation priorities at [http://wiki.eclipse.org/ECF\\_Documentation\\_Priorities](http://wiki.eclipse.org/ECF_Documentation_Priorities)
  - huge responses and contributions by the community
  - coordinated at [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=329124](https://bugs.eclipse.org/bugs/show_bug.cgi?id=329124)
  - started by Wim Jongman
- **Major build infrastructure improvements**
  - new build hardware:
    - donated by Wim Jongman / Remain Software
    - free hosting by OSU labs
  - Maven releases
  - nightly repos

# Themes and Plan Items



- **Wave Provider**

- [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=280347](https://bugs.eclipse.org/bugs/show_bug.cgi?id=280347)
- Google Wave will be moved to the Apache Foundation just around EclipseCon 2011
- Therefore the provider is currently under active development and will be introduced at EclipseCon 2011: <http://www.eclipsecon.org/2011/sessions/?id=2175>

- **Examples and Docs**

- API usage (prioritized at the ECF Documentation Project)
- Other Examples
- RSA wiki documentation

# Non Code Aspects



- **Community Grows and Becomes More Active**
  - Many new large and small contributors
  - Crowdsourcing focused by the ECF Documentation Project
  - ECF Documentation Project does very well involving the community. Martin Petzold and others doing an excellent job.
  - Many new consumers of OSGi 4.2 remote services standard implementation
  - Mailing list: [ecf-dev@eclipse.org](mailto:ecf-dev@eclipse.org), newsgroup: [eclipse.technology.ecf](http://eclipse.technology.ecf)
  - ECF Blog is very active: <http://eclipseecf.blogspot.com>
  - Recent contribution of HttpClient 4.1 provider:  
[https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=251740](https://bugs.eclipse.org/bugs/show_bug.cgi?id=251740) (for ECF 3.6)
- **Internationalization, Localization, Accessibility**
  - Meeting all Indigo Requirements.
  - As runtime project, ECF has minimal UI (modulo example apps)

# Committer Diversity



- 12 active committers
- Committers and contributor from multiple companies
  - Remain Software, Composit, IBM
  - Individuals
- Committers from multiple countries
  - Russia, Brazil, US, Germany, Denmark, France, Netherlands



- **In Active Use for Commercial/Non-commercial projects**
  - P2/Platform: ECF filetransfer
  - OSGi Remote Services/RSA: Multiple community consumers
  - Commercial products/projects
- **ECF is going to support more and more standards**
  - Remote Service Admin: Very important part of OSGi 4.2 for enterprise usage
  - real-time optimistic concurrency control compliant using a federation infrastructure (compliant to XEP-0114) to be included in ECF 3.6
- **Improved documentation**
  - Wiki docs. From committers and community contributions





# Bugzilla

- 112 bugs resolved or closed since ECF 3.4 (1)
- 79 bugs new created since ECF 3.4 (2)
- average response time (new bugs): 12 hours, 31 minutes

(1) [https://bugs.eclipse.org/bugs/buglist.cgi?classification=RT;chfieldto=Now;query\\_format=advanced;chfieldfrom=2010-10-29;bug\\_status=RESOLVED;bug\\_status=VERIFIED;bug\\_status=CLOSED;product=ECF](https://bugs.eclipse.org/bugs/buglist.cgi?classification=RT;chfieldto=Now;query_format=advanced;chfieldfrom=2010-10-29;bug_status=RESOLVED;bug_status=VERIFIED;bug_status=CLOSED;product=ECF)

(2) [https://bugs.eclipse.org/bugs/buglist.cgi?chfieldto=Now;query\\_format=advanced;chfield=\[Bug%20creation\];chfieldfrom=2010-10-29;classification=RT;product=ECF](https://bugs.eclipse.org/bugs/buglist.cgi?chfieldto=Now;query_format=advanced;chfield=[Bug%20creation];chfieldfrom=2010-10-29;classification=RT;product=ECF)



# IP Issues

- All significant and third party contributions have been reviewed and approved by Eclipse legal.
- Piggyback CQ's for all version upgrades for Orbit libs
- About files and license files are complete and correct.
- ECF has several other pending/under review contributions, but these are **not** included in ECF 3.5
- Draft IP log:
  - [http://www.eclipse.org/projects/ip\\_log.php?projectid=rt.ecf](http://www.eclipse.org/projects/ip_log.php?projectid=rt.ecf)

# ECF and Standards



- OSGi Remote Services: chapter 13 in compendium
- OSGi 4.2 Remote Service Admin: chapter 122 in enterprise specification
  - Both are full/complete implementation of OSGi specifications
  - Unique: Only implementation known to support pluggable discovery and distribution providers
  - Only impl of these specs among EF projects
  - Unique: ECF transport independence, combined with OSGi standards impl for RS/RSA allows easy extension to arbitrary transports...e.g. REST-based, Riena, JMS (already exists), others. This allows custom/proprietary protocols and serialization to be used within fully-compliant standard impl. No need for others to reimplement RS/RSA spec independently.

# ECF 3.6 Plans (Preliminary)



ECF Call API provider based upon SIP

Google Wave Provider + Example App

HttpClient 4.1 provider

More complex/sophisticated RSA Topology Managers to meet variety of community-reported use cases

More Examples, Documentation