



ECF 3.6.0

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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



Remote services Generic provider that uses SSL transport

ECF generic providers based upon SSL instead of raw tcp

Secure/encrypted transport for remote services

Contributions by Scott Lewis

Rest server-side support for RemoteServices

Add server-side support for registration of ECF remote service

Contributions by Scott Lewis

RemoteServiceTracker

Implementation of ServiceTracker for ECF remoteservices API

The getRemoteService() method returns instances of IRemoteService

Contributions by Scott Lewis

Highlights



API to allow customization of proxy creation

proxy creation can be dynamically customized

IRemoteServiceProxyCreator (new OSGi service) is used in customizing

Contributions by Scott Lewis

New filetransfer provider based upon Apache HttpClient 4.X

Added as Apache HttpClient 3.0 has been discontinued.

New filetransfer API implemented

Contributions by contributor Thomas Joiner and Scott Lewis

Non Code Aspects



- **Community Grows and Becomes More Active**
 - Additional new large and small bug fixes and contributions
 - New consumers of OSGi 4.2 remote services standard implementation
 - Contribution of Apache httpclient 4 provider from community (not committers!)
 - Mailing list: ecf-dev@eclipse.org, newsgroup: [eclipse.technology.ecf](https://www.eclipse.org/technology/ecf/). Both very active.
 - ECF Blog is active: <http://eclipseecf.blogspot.com>
 - Recent contribution of HttpClient 4.1 provider:
https://bugs.eclipse.org/bugs/show_bug.cgi?id=251740 (for ECF 3.6)
- **Internationalization, Localization, Accessibility**
 - Meeting all Kepler Requirements.
 - As runtime project, ECF has minimal UI (modulo example apps)

Committer Diversity



- 5 active committers
- Committers and contributor from multiple companies
 - Remain Software, Composit, IBM
 - Individuals
- Committers from multiple countries
 - Russia, Brazil, US, Germany, Denmark, France, Netherlands
- Multiple committers as mentors in Google Summer of Code

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 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

- 32 bugs resolved or closed since ECF 3.5.5 (Juno) (1)
- Worked with Virgo and Gemini team to resolve issue with Blueprint/ECF remote services compatibility
- Worked with P2 team to incorporate Apache httpclient 4.0 for testing and Kepler deployment

(1)

https://bugs.eclipse.org/bugs/buglist.cgi?order=Importance&resolution=FIXED&classification=RT&chfieldto=Now&query_format=advanced&chfieldfrom=2012



IP Issues

- All significant and third party contributions have been reviewed and approved by Eclipse legal.
- Piggyback CQ's for all version upgrades (e.g. OSGi RSA API), Orbit libs
- About files and license files are complete and correct.

ECF and Standards



- OSGi v5 Remote Services: In core specification
- OSGi v5 Remote Service Admin: 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 (Restlet at github now), JMS (at github also), 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 Plans (Preliminary)



More Examples, Documentation

Integration of remote services testing framework (2012 Google Summer of Code Project)

Release Salvo Newsreader application (also 2012 Google Summer of Code project)

<TBD>

Server-side usage of OSGi Remote Services