



Eclipse Communication Framework (ECF)

1.0.0 Release Review

June 18, 2007

<http://www.eclipse.org/ecf>

New and Noteworthy



- Multi-Protocol IM/Buddy Lists/Chat
 - XMPP/Google Talk, MSN, Yahoo, Skype, IRC
- New UI (2007)
 - Connect Wizards
 - Hyperlink Support
 - Hyperlinks for All IM/Chat Viewers
 - Communication URLs: e.g. `xmpp://rcjsuen@ecf.eclipse.org`
 - Extensibility: Buddy List View, Chat View, Drag and Drop
- Eclipse-based Real-Time Collaboration via IM
 - Datashare API for Eclipse-based RT Collaboration on IM
 - RT URL Sharing, Remote Control (opening remote views)
 - Peer-to-Peer FileTransfer
- New Applications: Share Code, RT Shared Editing, Multi-User Sudoku, Bulletin Board
- Automated build/deploy to support easier use and more frequent updates
- More: <http://www.eclipse.org/ecf/NewAndNoteworthy.html>

New and Noteworthy - API



- Bot Framework: http://wiki.eclipse.org/index.php/Bot_Framework
- File Transfer API
 - HttpClient-base http/https
 - Bittorrent
 - URLConnection protocols (ftp, file, jar, etc)
 - EFS integration
- Service Discovery API
 - Zeroconf, Other discovery being pursued (e.g. JXTA)
- Bulletin Board API
- VOIP
 - Skype, In Progress: Jingle, SIP
- API Refactoring/Simplification
 - CDC 1.0/Foundation 1.0 EE support for use in eRCP, RCP apps
 - Very small bundles/code footprint. No Eclipse dependencies
- Server APIs
 - Remote OSGi Services API
 - JMS Providers

API Usage and Feedback



- **Active Use**

- Equinox: provisioning incubator
- Google SOC projects: SCP, RT Shared Editing (2006), Mylar, Jingle (2007)
- Commercial projects
- Other Eclipse Projects: Corona, DSDP, Equinox, others

- **Community Participation/Feedback**

- Bug reports->Refactoring->Deployment->Bug Reports...
- Large non-committer contributions based upon ECF APIs
 - Bulletin Board API
 - Share-Code Plugin
 - Real-Time Shared Editing

- **Documentation/Usage Support**

- Bundle-Level Documentation: http://wiki.eclipse.org/index.php/ECF_API_Docs
- Newsgroup/Mailing List Support
- IRC Channel
- Article Creation: Existing and New Articles in Development

Eclipse Way



- **All Project Materials Open and Available**
 - API Docs
 - Wiki
 - Project Planning
 - Test Code
 - Build
- **All Third-Party Contributions in Europa IPZilla Process Approved**
 - Apache 2 License
 - JmDNS (zeroconf)
 - Smack API (xmpp)
 - IRCLib (irc)
 - Others
 - IP Log: http://www.eclipse.org/ecf/ip_log.html
- **Automated Testing**
 - Putting automated execution of Junit plugin tests as part of build



- **Internal and External Collaboration**

- BB API (in review)
- JXTA Provider (in review)
- Real-Time Shared Editing (in review)
- Shared-Code Plugin (in review)
- ECF Extras: OSU Open Source Lab (distributed separately) 10 part-time committers
- Working With: Equinox, Corona, rOSGi, DSDP, Buckminster, EMF/EMFT

- **Committer Diversity**

- Multiple Companies: IBM, BEA, startups, consultants/independents
- Multiple Countries: Brazil, Canada, France, Germany, USA
- Project Lead (Scott) Independent
- Working with/Supporting Multiple Eclipse Projects
 - Equinox, Corona, DSDP, Mylar, EMFT

Future



- **More providers**
 - JXTA, Sametime, AIM (presence/IM/chat/discovery/datashare)
 - UPNP, SLP, DSDP discovery (discovery)
 - SIP, Jingle, Asterisk (VOIP)
- **More UI/Exemplary Application Features**
 - More IM/Chat/Collaboration features
 - Real-Time Shared Editor (+ API)
- **More Integration/Cooperation**
 - Equinox provisioning, Mylar/Mylyn. Corona/DSDP/Other Eclipse projects
 - OSGi R5 Remote Services/Enterprise Experts Group/rOSGI
- **More applications**
 - RCP, eRCP, Games
 - Full Developer Team Real-Time Collaboration on Eclipse
 - Team Workflow (Health Care, etc)
- **More server usage**
 - JMS, SOA Tools, Enterprise Service Bus
- **More Contributors, Commercial Usage, and Member Involvement**