



Europa Review:

Eclipse Communication Framework (ECF)

June 6, 2007

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



New and Noteworthy

- Multi-Protocol IM/Buddy Lists/Chat
 - XMPP/Google Talk, MSN, Yahoo, Skype, IRC
- Real-Time Collaboration
 - Peer-to-Peer File Sharing, URL Sharing, Remote Control
- APIs for Identity, Presence/IM, Pub/Sub Datasharing, Service Discovery, Remote OSGi, FileTransfer, Replicated Objects, VOIP signalling. OSGi Services + Extension Points.
- Extensible UI: Connect/Configuration Wizards, Buddy List View
- Minimal dependencies: Core plugins require only CDC 1.0/Foundation 1.0 for use in small runtimes (e.g. eRCP).
- ECF-Based Services/Servers
 - ECF Generic (Equinox Server): ecf.eclipse.org
 - XMPP/XMPPS (Jive Wildfire): ecf.eclipse.org



API Quality

- **In Active Use**

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

- **High Community Participation**

- 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**

- Bundle-Level Documentation: http://wiki.eclipse.org/index.php/ECF_API_Docs
- Javadocs: <http://www.eclipse.org/ecf/org.eclipse.ecf.docs/api/>



IP Clearance and License

- **All Contributions IPZilla Process Approved**
 - Apache 2 License
 - JmDNS (zeroconf)
 - Smack API (xmpp)
 - IRCLib (irc)
 - IP Log: http://www.eclipse.org/ecf/ip_log.html
- **Other Contributions (not part of Europa)**
 - JXTA Provider
 - Real-Time Shared Editing
 - Shared-Code Plugin
 - ECF Extras: OSU Open Source Lab
 - Components in IP Incubation will Remain So
- **Reuse**
 - Apache HttpClient, Codec, Logging bundles



Committer Diversity

- 10 part-time committers
- All Volunteers
- Committers from Multiple Companies
 - IBM, BEA, startups, consultants/independents
- Committers from Multiple Countries
 - Brazil, Canada, France, Germany, USA
- Project Lead (Scott) Independent
- Working with/Supporting Multiple Eclipse Projects
 - Equinox
 - Corona
 - DSDP
 - Mylar