



# Europa Review:

## Eclipse Communication Framework (ECF)

June 6, 2007

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



# New and Noteworthy

- Multi-Protocol IM/Buddy Lists/Chat
  - XMPP/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](http://ecf.eclipse.org)
  - XMPP/XMPPS (Jive Wildfire): [ecf.eclipse.org](http://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](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/xmpps)
    - IRCLib (irc)
  - IP Log: [http://www.eclipse.org/ecf/ip\\_log.html](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