Europa Review:

Eclipse Communication Framework (ECF)

June 6, 2007

http://www.eclipse.org/ecf

Talking Points

- New and Noteworthy
    - Presence/IM within Eclipse/RCP Apps
    - RT Collaboration/Datasharing
    - Remote OSGi services
- API Quality
    - In use for: Equinox provisioning, commercial products, Corona, DSDP, other projects internal and external to Eclipse
    - APIs bundles (6), Extension Points (10), OSGi services (5)
    - Major Refactoring: Community about size and dependencies
    - Bundle-level docs and Javadocs
- IP Clearance
    - IP log up-to-date
    - All third party contributions (Apache 2) through process (approved all projects)
    - License/about files complete
- Committers: Independent-driven, multiple companies, multiple countries

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 in Europa 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 (in review)
    - Real-Time Shared Editing (in review)
    - Shared-Code Plugin (in review)
    - BB API (in review)
    - ECF Extras: OSU Open Source Lab (distributed separately)
- **Orbit 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