



Eclipse Communication Framework (ECF)

v2.0.0/Ganymede Release Review

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



Major API Enhancements

Discovery API: Simpler and more general. Added `serviceAccessHandler` extension point to allow plugins to define access handlers for discovered services

File Transfer: Enhanced API based upon customer feedback (p2 and others). Added browse API in addition to download/upload

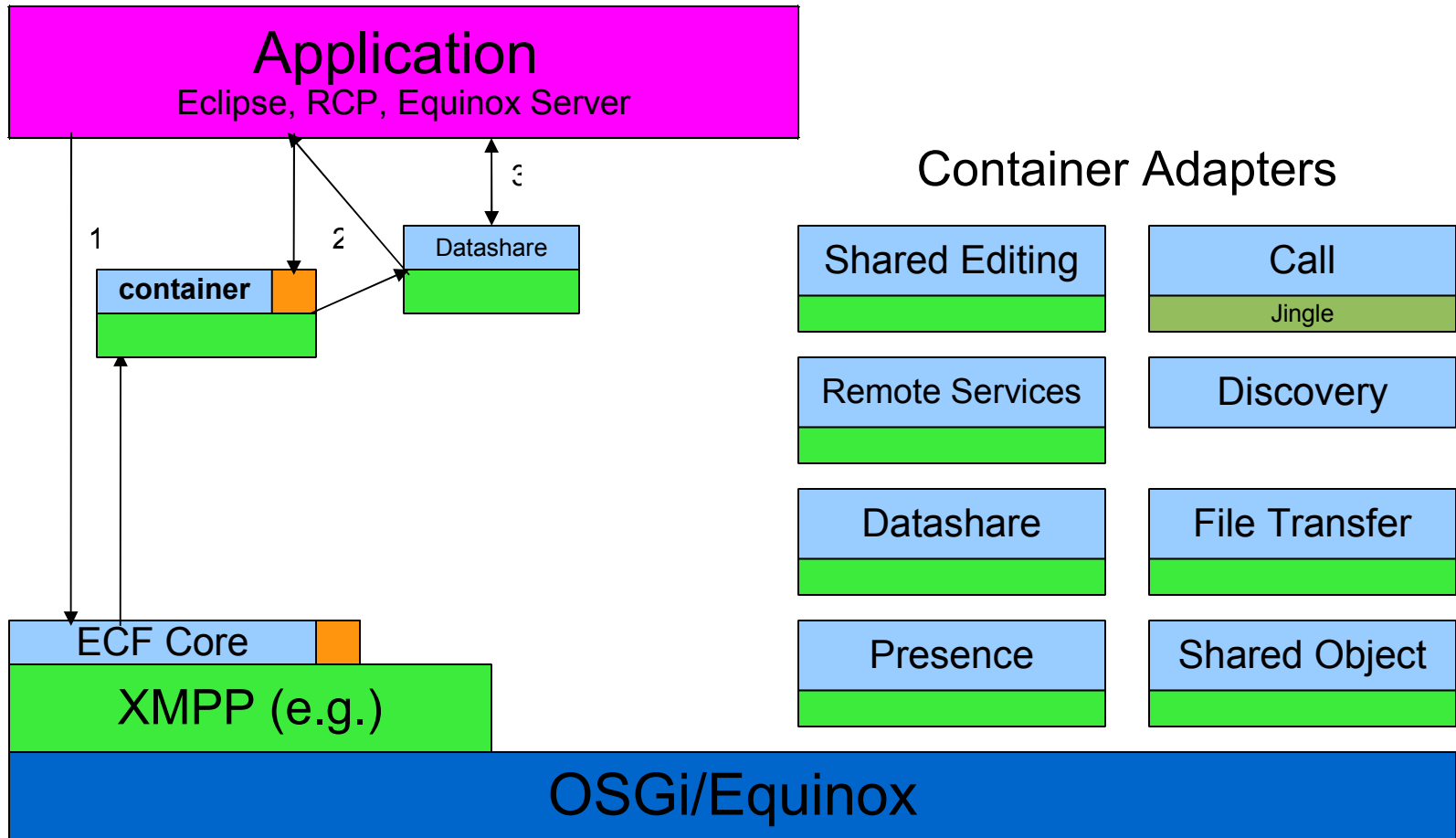
Presence/IM: Added `rosterViewerDropTarget` for drag and drop handling. Added avatar handling. Improved RosterView and ChatView API.

Remote Services: Support for transparent OSGi service proxies + remote references. Programmer choice based upon app-level needs

API Docs: http://wiki.eclipse.org/ECF_API_Docs



ECF Provider Architecture



API

Provider

IAdaptable



New Providers in 2.0.0

Remote Services: r-OSGi, XMPP, working on Riena as provider

Discovery: jSLP: Service Locator Protocol – RFC 2608

File Transfer: JRE/URLConnection, SCP/SSH, EFS, Apache HttpClient, Bittorrent

Presence/IM/Call API: Skype*

Datashare: JMS/ActiveMQ/WebSphere CE*, JMS/Weblogic*, JavaGroups*



Community Development

Adoption

Eclipse SDK -- 4 ECF plugins (File Transfer)

Buckminster (File Transfer)

Versant Products (Discovery)

Equinox/P2 (Discovery)

OSGi EE Participation

Others



Community Development (cont)

Participation

- > **300 Bugs resolved**
- > **20 BugDay contributions**

Changed build process for easier participation

- Daily automated builds
- Many more test cases
- Automated testing

New Committers: Markus Kuppe, Jan Rellermeyer, Mustafa Isik, Moritz Post



Exemplary Applications -- Improved UI

Presence

Lots of improvements: e.g. Support for avatars.

RosterView (aka Contacts View) usable in other applications

Discovery

Extensible DiscoveryView. Use to access discovered services.

Integrated properties view.

File Transfers

New File Transfers view for concurrent file downloads



Exemplary Applications -- New Applications

Real-Time Shared Editing

Originally started as Google SOC project (Mustafa Isik)

Now distributed with ECF

Real-time shared editing over XMPP

Server Applications

Update Site Discovery

Remote Environment Info Server

KOS-MOS



Schedule and IP

Schedule

Met all Release Deadlines (Europa, 1.1, 1.2, 2.0.0MX)
Supported Equinox/P2/SDK with +0 build schedule

IP

IP log up to date: http://www.eclipse.org/ecf/ip_log.html

Real-Time Shared Editing

Generalize to 'distributed model synchronization'

ECF Moving to Runtime Project

Support P2/Participate in E4 (asynchronous messaging)

Equinox/Server Applications

e.g. P2 meta-data repository discovery

Documentation, Documentation, Documentation

ECF Book

Other Docs

VOIP

Jingle (already have impl)

SIP

XMPP For Committers – bug 126089