Tools for mobile Linux
Mobile Tools for Java
Eclipse Pulsar

Move Review 0.3
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Release review data compiled for Development Process 2.4
(http://www.eclipse.org/projects/dev_process/development_process.php)

Reasons for Move

- The TmL project contains components that are useful on many mobile platforms, not just Linux. As the primary contributor, Motorola desires to expand the scope of TmL to support other mobile platforms, such as Android. Symbian has also expressed interest in a rescoped project.

- The MTJ project contains some components that could be valuable to all mobile developers, not just those who use Java ME.

- The Pulsar project was placed in the MTJ repository due to timing issues. Since the Pulsar developers also work on MTJ, it seemed a reasonable location. There is a need for a more suitable and permanent location for this work.

- A new project, focused on the needs of all mobile developers has momentum, as previously seen from the excitement around Pulsar. By removing the artificial barriers of "Linux" and "Java", we hope to provide a home for all Eclipse mobile developers.

Project Name

- Project has been unofficially called "Tools for Mobile". Consensus is that a "name" is preferred rather than an acronym

- Suggestions?
  - Not hampered by trademark
  - Suggest something related to communications or rebirth
  - Related to mobile (dit-daw)
  - Fascinating/interesting place (Aricebo, Giza)
  - Deity (Rama, Triton, Hermes)
  - Historical person (Sequoyah, Watson)

Move plan – TML Components

- Plug-ins that are in active development:
    - org.eclipse.tml.common.utilities
    - org.eclipse.tml.framework.device
    - org.eclipse.tml.framework.device.sdk
    - org.eclipse.tml.framework.device.ui
    - org.eclipse.tml.framework.device.wizard
    - org.eclipse.tml.framework.device.additional
    - org.eclipse.tml.protocol
    - org.eclipse.tml.service.start
    - org.eclipse.tml.service.stop
    - org.eclipse.tml.service.vncviewer
    - org.eclipse.tml.vncviewer
    - org.eclipse.tml.vncviewer.vncviews

- New components (not in Galileo) to be added to new project:
    - org.eclipse.tml.fakedevice.display
    - org.eclipse.tml.fakedevice.keyboard
    - org.eclipse.tml.fakedevice.storage
    - org.eclipse.tml.framework.device.fake
    - org.eclipse.tml.framework.device.fake.ui
    - org.eclipse.tml.service.fake

- Examples:
    - org.eclipse.tml.device.qemu
    - org.eclipse.tml.device.qemuarm
    - org.eclipse.tml.device.qemureact
    - org.eclipse.tml.echo

Move plan – MOTODEV Studio Features

- Portions of MOTODEV Studio will be contributed to the Eclipse foundation and it is going to be part of the new project

- The first component that will be contributed is the MOTODEV Signing Framework. This framework will be adapted to

  - Remove Motorola-specific features

  - Generalize features so that the framework can be used by other adopters

Move plan – MOTODEV Studio Features (cont'd)

- Motorola Plugins: will be renamed to match the eclipse code convention

  - com.motorola.studio.platform.tools.common

  - com.motorola.studio.platform.tools.sign.core

  - com.motorola.studio.platform.tools.sign.ui

Move plan – MTJ Components

- Create a signing framework by incorporating ideas from MTJ, Pulsar, and MOTODEV Studio

  - Result would be a framework with a reference implementation for signing Android packages

  - Signing can be done as part of the build process, or as a user-initiated process on demand

  - Framework will allow OEMs to add their own custom signing tools into the build process and the Eclipse UI

- Adapt permissions scanning to new project

  - Allow it to work on APIs that aren't categorized into JSRs

  - Define the input file so it will work for other platforms (e.g. Dalvik)

- All Java ME-specific components that are in MTJ today will continue to be in MTJ

Move plan – Pulsar Components

- All Pulsar components that are currently stored in org.eclipse.mtj will migrate to the new project and have new path

- No API changes will occur

- No components will be dropped

- No functionality will be lost

- Proposal is that Pulsar will continue to reside in MTJ for Galileo SR1. Pulsar for Galileo SR2 will reside in the new project. This move should not affect Pulsar users, although consumers may have to make small changes if they are extending Pulsar components.

Move Plan - Committers

- All present committers on TmL, MTJ, and Pulsar will have the option to continue to be committers in the new project

    - Eric Cloninger (Motorola)

    - Christian Kurzke (Motorola)

    - Gustavo de Paula (CESAR)

    - Diego Madruga Sandin (CESAR)

    - David Marques (CESAR)

    - Mauren Brenner (Eldorado)

    - Daniel Franco (Eldorado)

    - Craig Setera (mFoundry)

    - Gorkem Ercan (Nokia)

- Eric Cloninger will lead the combined project

- Christian Kurzke will co-lead the project, act as architectural advisor to the project, and continue to lead the MTJ project.

Project Release Plan

All dates/releases tentative and subject to change

- TmL
  - 0.3 on the Eclipse Galileo train (25 June 2009)
  - 0.4 in 4Q09, after Galileo SR1, will be last independent TmL release
    - Bug fixes as necessary
    - Some API additions
  - 0.4.1 if requested with bug fixes only

- MTJ
  - 1.0.1 on Eclipse Galileo Train SR1
  - 1.0.2 on Eclipse Galileo Train SR2 (and possibly integrated with the new project framework)

- Pulsar
  - 1.0.1 on Eclipse Galileo Train SR1
  - 1.0.2 on Eclipse Galileo Train SR2 (with MTJ 1.0.1 and the New Project)

- *New Project*
  - Release 0.5.0 in 4Q09 with TmL 0.4.0
  - Release 0.6.0 in on Eclipse Galileo Train SR2
  - 1.0 with Eclipse Helios in June 2010

Move Plan – Source control

- MTJ uses Subversion

- TmL uses CVS, but has voted in the past to adopt Subversion

- Will put the matter up to public discussion on 27 July

Move Plan - Bugzilla

- TmL bugs will be triaged prior to move. Those bugs that are in the scope of the new project will be moved. All other bugs left in TmL will either be closed permanently or fixed in the TmL 0.4.x code line.

- Since the MTJ code is being heavily modified before integrating into the new project, all bugs will be new.

- Any bugs in MTJ that are not fixed for Galileo SR1 will be triaged and moved to the new project.

Move Plan – Web Site

- The TmL web site will be transitioned to the new project and new sections will be added for Pulsar and the new contributions for MTJ.

- Clean-up of the TmL web site will happen at this time as well.

Move Plan - Wiki

- The TmL wiki site will provide the basis for the new project wiki. MTJ and Pulsar pages, as necessary, will be moved to the new project and linked from the top site.

- Some cleanup of the site will occur at this time as well.

IP Issues

- **These will be verified as correct in time for the move review.**

- As per the Eclipse IP Policy, the project verifies that:

- ... the about files and use licenses are in place as per the Guidelines

- ... all contributions (code, documentation, images, etc) have been committed by individuals who are Members of the Foundation and are abiding by the Eclipse IP Policy (training through Committer HOWTO)

- ... all significant contributions have been reviewed by the Foundation's legal staff – even if written by committers prior to joining Eclipse

- ... third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff

- ... all contribution questionnaires have been completed

- ... the "provider" field of each plug-in is set to "Eclipse.org"

- ... the "copyright" field of each plug-in is set to the copyright owner

- See the IP Log at http://www.eclipse.org/dsdp/tml/reviews/tml-mtj-pulsar-reorg_ip_log.html