

*Tools for mobile Linux
Mobile Tools for Java
Eclipse Pulsar*



*Move Review
16 September 2009*

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



- The TmL project contains components that are useful on many mobile platforms, not just Linux
- The MTJ project contains components that are valuable to all mobile developers, not just those who use Java ME
- Code for Eclipse Pulsar 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.

Scope Change



- As the primary contributor to the current TmL project, Motorola desires to expand the scope of the project to mobile platforms beyond Linux
- A new project, focused on the needs of all mobile developers, has momentum in the developer community. This was previously seen when Pulsar was announced. By removing the artificial barriers of “Linux” and “Java”, we hope to provide a home for all Eclipse mobile developers.
- Symbian has expressed interest in a rescope mobile project, as have other member companies and individuals

Project Name



- As part of the Move and change of scope, we also propose renaming the project
- The proposed name is “Sequoyah” (pending trademark review)
- Sequoyah was an historical person who worked on creating a system of written communications for the Cherokee Native American people
- Alternate name is “Tools for Mobile”
- The project would continue to exist under Eclipse DSDP

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
 - org.eclipse.tml.localization.tools
 - org.eclipse.tml.localization.stringeditor
 - org.eclipse.tml.localization.android
- Example components:
 - 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 Sequoyah
- 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 Sequoyah in the future
 - 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 move and have a 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 Sequoyah. This move should not affect Pulsar end-users. Consumers of Pulsar (i.e. developers) may have to make small changes if they are extending Pulsar components. These changes will be documented as part of the move.

Move Plan - Committers



- All present committers on TmL, MTJ, and Pulsar will have the option to continue to be committers. The final list is TBD, but these are proposed initially:
 - 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)
- Member companies and individuals interested in contributing to Sequoyah will be considered at the initiation of the project and subject to approval vote
- Eric Cloninger will lead Sequoyah, under mentorship of Doug Gaff and Martin Oberhuber
- Christian Kurzke will co-lead Sequoyah, act as architectural advisor, and continue to lead the MTJ project

Project Release Plan



All dates/releases tentative and subject to change

- TmL
 - 0.4 in 4Q09, after Galileo SR1, will be last independent TmL release
 - Bug fixes as necessary
 - Some API additions
 - New component for localization tools
 - 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)
 - Helios train (TBD - Christian)
- *Sequoyah*
 - Release 0.5.0 in 4Q09 with code from TmL 0.4.0
 - Release 0.6.0 in on Eclipse Galileo Train SR2, if necessary
 - 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
- Consensus of those polled on July 27 call is that Subversion is preferred for Sequoyah
- Will need to perform a move of code from CVS to new repository running Subversion
- Deprecated components will not move to new repository

Move Plan - Bugzilla



- TmL bugs will be triaged prior to move. Those bugs that are in the scope of Sequoyah 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 signing code is being heavily modified before being integrating into Sequoyah, no bugs for signing will move from MTJ

Move Plan – Web Site & Wiki



- Web
 - The TmL web site will be transitioned to Sequoyah 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.
- Wiki
 - The TmL wiki site will provide the basis for the Sequoyah wiki. MTJ and Pulsar pages, as necessary, will be moved and linked from the top of the Sequoyah site.
 - Some cleanup of the site will occur at this time as well. Would be nice to have a “map” of the existing wikis.

IP Issues



- 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