



Koneki 0.9 Release Review
December 2012

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Project Overview



Koneki delivers a set of tools helping M2M (Machine-to-Machine) developers to write, simulate, and debug their applications.

The 0.9 version has focused on improving the developer experience in Lua Development Tools and laying the ground for future Mihini developers by providing support for remote development

Project plan:

<http://www.eclipse.org/projects/project-plan.php?planurl=http://www.eclipse.org/koneki/project-info/project-plan-0.9.xml>

Koneki 0.9 features - LDT



Lua Development Tools is an IDE for the Lua programming language. Features added in 0.9 are:

- Remote run and debug
- Documentation code assistance
- JNLua interpreter and Lua 5.1 Execution Environment pre-bundled
- New Lua file wizard
- Support of custom encodings in Lua files

Project Health



Active Code Base

Koneki is built using Hudson, Maven and Tycho.

Testing

- JUnit test cases for regression testing
- Continuous build
 - Runs after every push to the Git repository
 - Compile/Run tests/Deploy nightly repo

Additional Testing

- Q7 test cases for functional testing before the releases
- Developers are encouraged to smoke test every new feature by updating from the nightly repository

Project Health (cont'd)



Documentation

- Documentation is crowd-sourced on the Eclipse Wiki and doc. plug-ins are automatically created at build time
- http://wiki.eclipse.org/Koneki/LDT/Developer_Area/User_Guides/User_Guide_0.9
- Other documentation on the wiki
 - Advanced guides for users and contributors
 - Technical documentations

Bugs

- **86 issues FIXED** during 0.9!

Severity

Status

	RESOLVED	VERIFIED	Total
critical	<u>1</u>	.	<u>1</u>
major	<u>5</u>	.	<u>5</u>
normal	<u>64</u>	<u>5</u>	<u>69</u>
minor	<u>4</u>	.	<u>4</u>
enhancement	<u>6</u>	<u>1</u>	<u>7</u>
Total	<u>80</u>	<u>6</u>	<u>86</u>



Developers

- 3 active committers
- Several Code contributions from individual contributors

Distributions

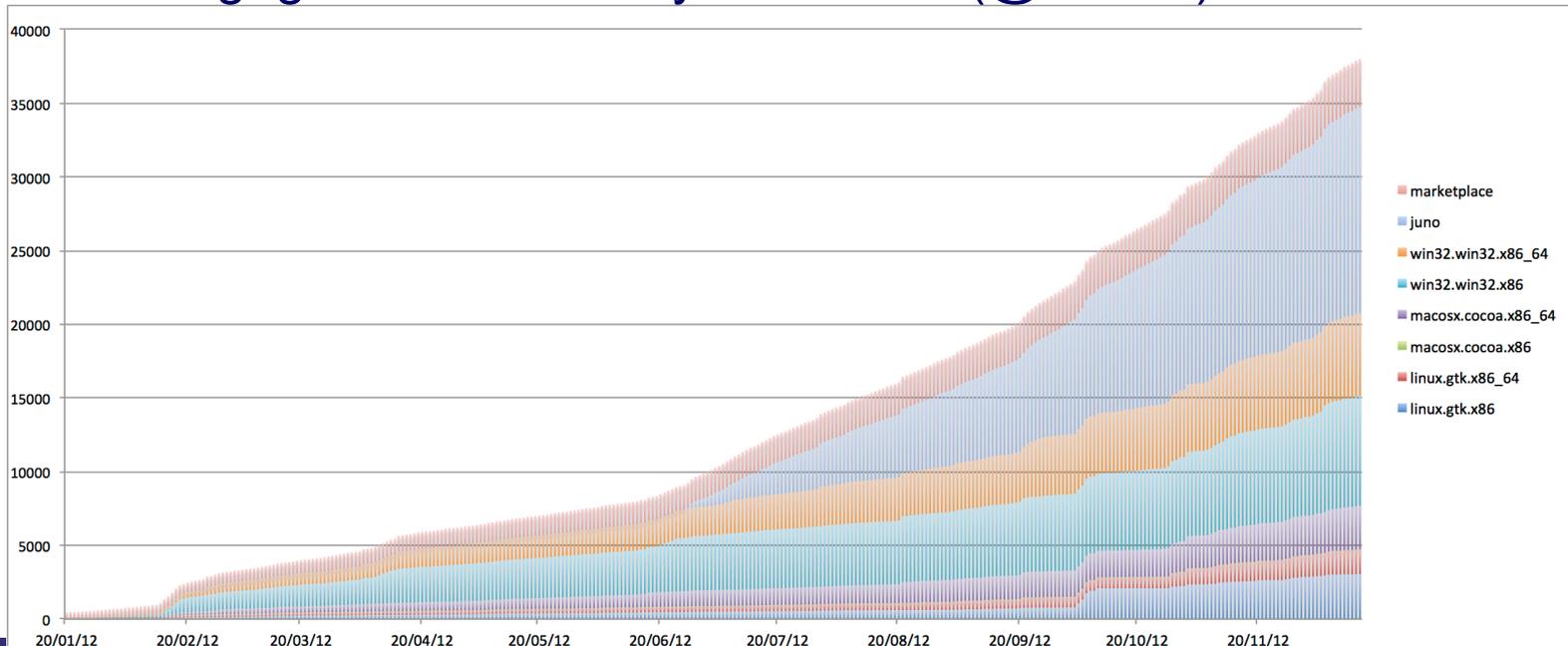
- LDT is distributed in the form of a standalone RCP product
- LDT Remote feature is available through update sites
- LDT is shipped as part of the IDE that Sierra Wireless provides to develop against its Lua embedded framework

Community (cont'd)



Users

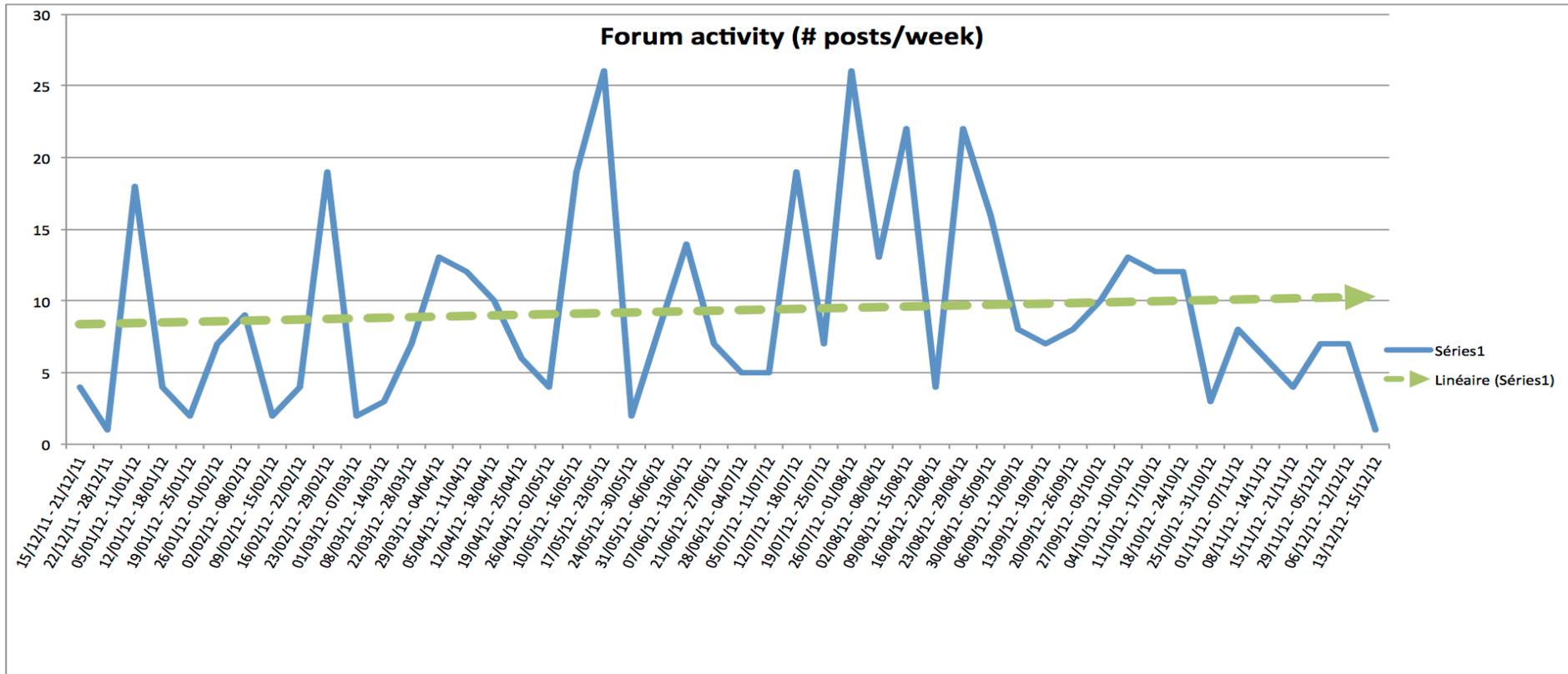
- Great adoption of LDT... it has been downloaded almost 40000 times!
- Available on the Marketplace and in Juno repo
- Engage the community via Twitter (@koneki)



Community (cont'd)



Forum is quite active with an average of 10 posts per week.





Community (cont'd)

Koneki presentations have been given at numerous conferences and workshops.

- EclipseCon Europe, Capitole du Libre, Lua Workshop, LeWeb Paris, EclipseDay Googleplex, Open Source IoT Meetup...

M2M IWG webinar series

Articles in JAX Magazine, Eclipse Magazin, Programmez!, ...

<http://wiki.eclipse.org/Koneki#Events.2FPresentations.2FArticles>

APIs



Koneki is a 0.9 release but still provides Eclipse Quality API



Architectural Issues

Architectural refactoring done in the early stages of the 0.9 development cycle to clean the codebase

- remove unused code,
- minimize the number of plug-ins,
- enforce better naming conventions,
- prepare API for 1.0

UI usability



Some users have reported issues to use the outline and code completion because these features are based on Lua Documentation Language (similar to Javadoc for Lua)

- This release contains many enhancements about LDL (code completion for the LDL comments, templates, ...)
- We have also provide more documentation on the wiki/online doc



Non-code aspects

Koneki has proper i18n, and resource bundles are available in Babel

The Koneki team has strong interactions with the M2M Industry Working Group

- M2M model discussions
- Development use cases
- The Lua Remote feature is a first bridge to the Mihini project.



IP Log

- The Eclipse IP policies and procedures have been followed
- The IP requests for the 0.9 release has been submitted
- http://www.eclipse.org/projects/ip_log.php?projectid=technology.koneki

End Of Life Strategy



0.9.0 Release

- No new features are being deprecated



Schedule

Next release: Koneki 1.0

- June 2013 - Kepler
- Improve support for Mihini
- Deliver Koneki as part of an EPP package for M2M (tentative)

Feedback



- **Newsgroup:** `http://www.eclipse.org/forums/eclipse.koneki`
- **Mailing lists:**
 - koneki-dev@eclipse.org (= Release Review communication channel)
- **Eclipse Bugzilla**
 - Technology
 - Product: Koneki



Credits, Kudos

Julien Desgats for long term support on the Lua debugger.

Fabien Fleutot for his expertise and work on Metalua.

Marc Aubry for his continuous contributions

Simon Bernard and Kévin Kin-Foo, the main committers.