

M2M IWG F2F meeting

Projects Update

EclipseCon Boston March 2013



SIERRA
WIRELESS™

koneki

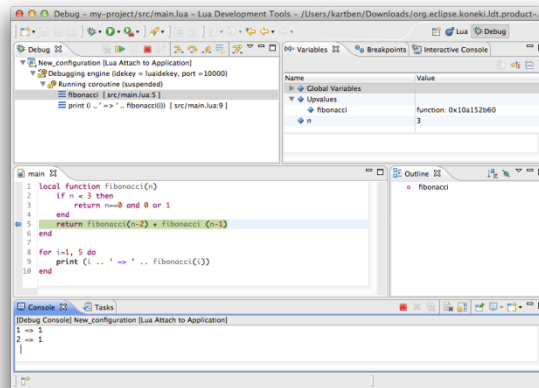
<http://eclipse.org/koneki>

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tools

develop
simulate
debug
deploy

koneki



Lua Development Tools

Lua Development Tools 0.9

Remote run and debug

Documentation code assistance

Pre-bundling of Lua VM and Execution Environment

New Lua file wizard

Improved file encoding support

Koneki roadmap

Improve Mihini support

- Help with C development
- Target management
- Connect to Mihini with language independent API (REST)
- Embedded application packaging
- Help with M3DA: test environment, log, bandwidth calculator

Lua 5.2 support in LDT

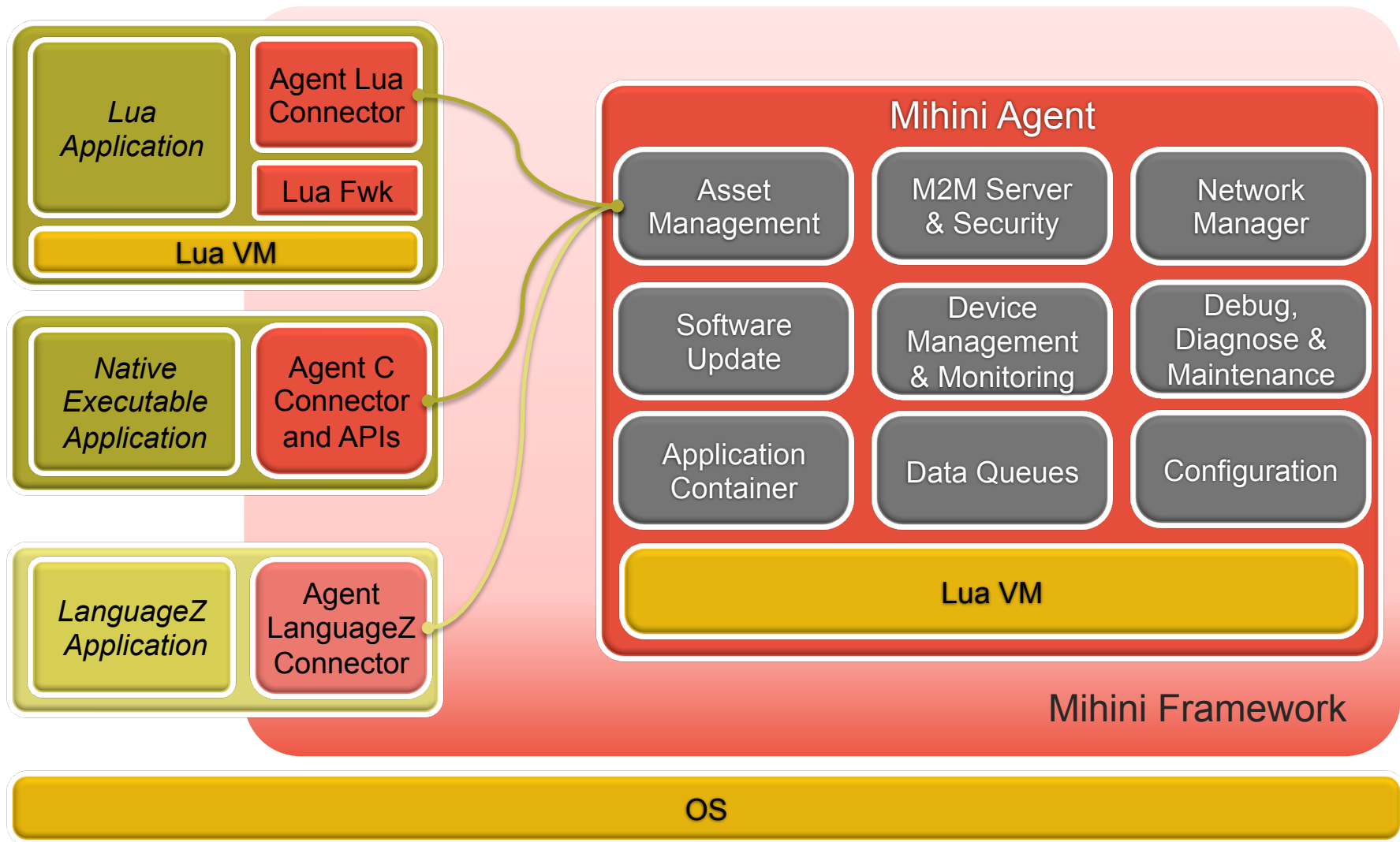
mihini

<http://eclipse.org/mihini>

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framework

I/O manipulation
send / receive data
application management
dev-friendly API



Mihini

Code contribution in Feb-2013

End-to-end tutorial is available on Eclipse wiki (and was delivered earlier this week)

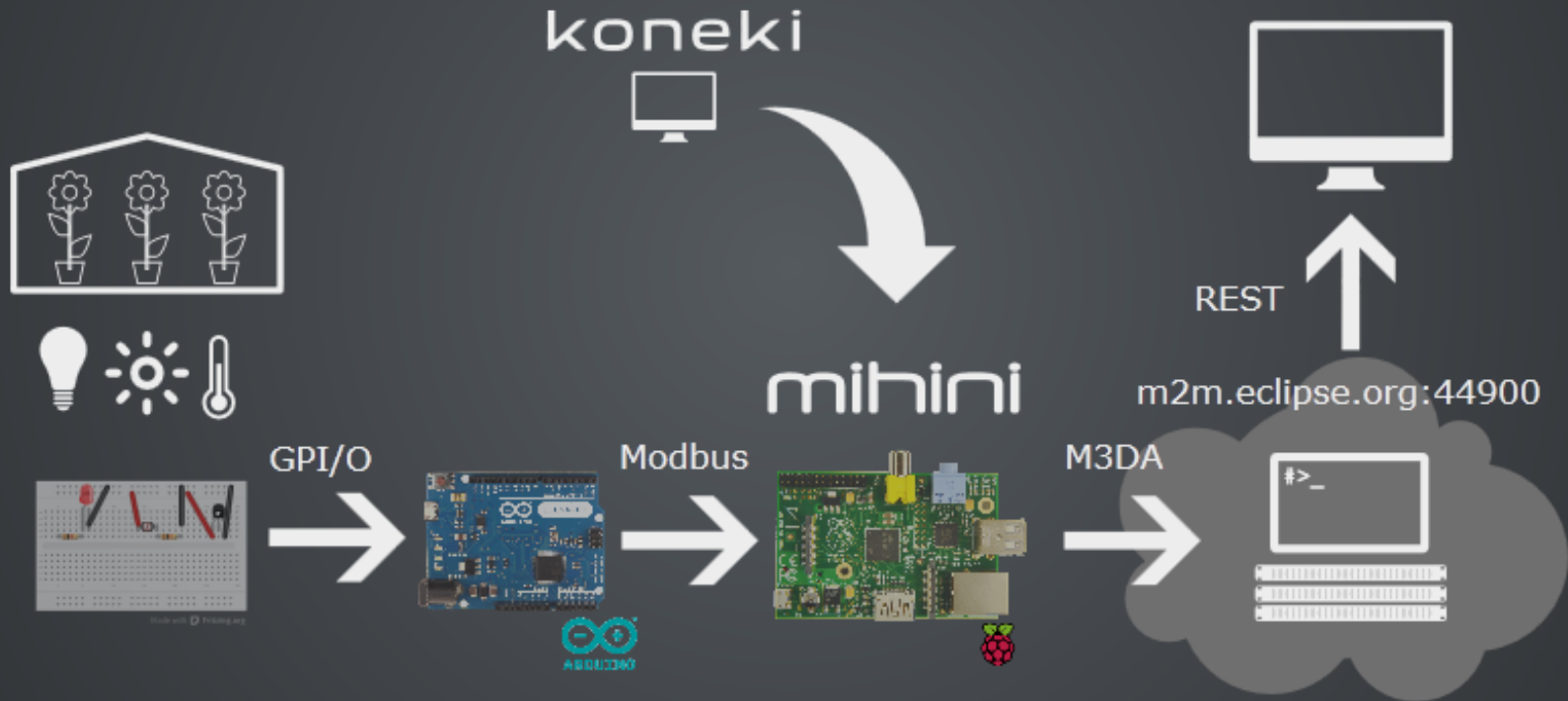
Initial API documentation

End-to-end demo

- Very well received at several public events (LeWeb, EclipseDay Google, FOSDEM, Jfokus, EclipseCon)

Green house demo

AN END-TO-END M2M APP



Mihini roadmap

Protocol agnostic *pushData* API

- M3DA over MQTT, bridge MQTT over M3DA

Multi language support might be reduce language dependency using clean I/F

- How to run Java/OSGi framework
- Java connector to the agent
- C support with CDT, cross language support C/Lua

Investigate how we could leverage Puppet, CDT Traces

More tutorials

- Segments?
- Zigbee, Arduino, ARM mbed, TI BeagleBone

Mihini roadmap cont'd

- Secure framework:
 - Secure developers application
- Enrich application framework
 - Protocol support: CAN, ODB II, serial, SPI, GPIO
 - Graphical interface
- Operating systems support
 - QNX, Windows Embedded
- Network manager
 - Leverage existing Linux/Android projects