M2M IWG F2F meeting

Projects Update

EclipseCon Boston March 2013
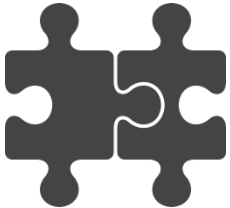
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Open-source M2M?

IoT Building Blocks

"We provide open-source developments **tools** and **frameworks** for IoT developers"

Interoperability

"We provide reference implementations of **open protocols** and **APIs** to encourage interoperability".

Open-Source Community

"We deliver samples, examples, testing environments and documentation for M2M developers"

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M2M Industry Working Group pillars

Interoperability

- Enable the emergence of efficient M2M-oriented communication/ messaging protocols
- Establish common M2M terminology and set of services

Tooling for developers

- Provide building blocks to simplify the development of end-to-end M2M applications
- Provide a simple well designed agent to cover most of the M2M domain

***Open M2M* promotion**

- Advertise technologies developed under the IWG umbrella
- Create bridges with existing M2M-related standards organizations and other Open Source communities
- Provide a development hub for M2M developers: access to development kits, sandboxing area, …

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M2M IWG offer

m2m.eclipse.org

collaborative development hub for m2m developers

| Development Tools | Examples, Tutorials | Technical documentation, Forum | Developer kits | Sandbox |

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open m2m runtimes

libraries & frameworks for m2m development

Embedded framework

Device Management, ALM, …

Communication libraries

m2m and industrial protocols

Server

data brokers, *API, …*

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open m2m tools

consistent & extensible development tools

Embedded development

target management, emulation, …

Communication protocols

simulation, bandwidth estimation, …

Server

API discovery, deployment, …

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Development Tools	Examples, Tutorials	Technical documentation, Forum	Developer kits	Sandbox
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open m2m runtimes
libraries & frameworks for m2m development

🟢 **Embedded framework**
Device Management, ALM, …

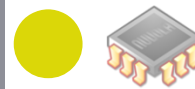🟡 **Communication libraries**
m2m and industrial protocols

🟡 **Server**
data brokers, *API, …*

open m2m tools
consistent & extensible development tools

🟡 **Embedded development**
target management, emulation, …

🟡 **Communication protocols**
simulation, bandwidth estimation, …

❓ **Server**
API discovery, deployment, …

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