



Project Update

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Project Overview

- Mqtt Client Libraries
 - Java, Android Service
 - C for Linux / Windows
 - Embedded C/C++
 - Python
 - .Net
 - Javascript, Lua, Go
- MQTT Tools
 - “Conformance” tests
 - Various GUI utilities including Eclipse view
- MQTT-SN client libraries and tools
 - Embedded C/C++
 - IBM Zurich contributions
 - Java gateway
 - Java Client
- MQTT Brokers
 - RSMB (Really Small Message Broker)
 - Mosquitto

Project Stats

- 7615 downloads in the last year
 - However this figure does not include any downloads from Nexus Repos or other sources.
- 19 contributors in the last year
- 155 bugs opened - 116 closed
 - Includes those raised as features
- Mailing list
 - 877 Messages / 120 posters

Project Plan

- .Net client enhancements to fill gaps, e.g. regression tests
- Embedded Client
 - FreeRTOS support
 - Async client
 - TLS & DTLS support
 - GUIDs
- Web improvements & Getting started recipies
- Offline buffering & Automatic Reconnect
- Websockets – Java done, C to do.
- MQTT-SN Embedded Gateway
- Android Service & Sample App improvements
- Conformance test material (MQTT)
- MQTT forwarder (to bypass restrictive firewalls)

Key Challenges

- Java Client ownership
 - Resolved – now owned by myself.
- Organising releases:
 - Planning to go back to the eclipse simultaneous release
 - Paho 1.2. release is planned for Eclipse Neon 2016
- Moving to github – taking advantages of pull requests and issues.

Collaboration Opportunities

- Device Management over MQTT (LWM2M)
 - Collaborate with OMA (Open Mobile Alliance)
- MQTT conformance testing
- Actively soliciting contributions for:
 - PHP Client
 - Ruby Client
 - Node.js Client