Mosquitto

Project Update

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Project Overview

- Lightweight (30k min) MQTT server
- Mosquitto.org previously
- written in C to enable the server to run on machines which do not even have capacity for running a JVM
Project Stats

• Project created at end of 2013
• 1.4 released in February
  - first Eclipse release
    • Easier integration with web sites via support for WebSockets
    • Improved security by providing more flexible support for TLS v1.2,1.1 and 1.0 plus support for ECDHE-ECDSA family ciphers
    • Better interoperability between MQTT brokers via improved bridge support, including wildcard TLS certificates and conformance to MQTT 3.1.1
Project Stats

- 762 downloads of the Windows installer in the last week
  - pretty certain this is a rising trend
- iot.eclipse.org
  - 220 active clients (-40% monthly - server restarted?)
- Bugs over year
  - 48 opened, 28 closed
- Code authors: 2
  - 553 commits
- Mailing list in last year
  - 479 messages, 89 senders
Project Plan

• service release in a week
  – intention is to have a service release each month

• I'm not sure whether to go for a fairly big release or smaller ones focussing on a particular feature

• difficulties with libuv IP status makes life a bit awkward, because that is the first thing I'd like to do because it affects so many other things

• I'm planning a review of authentication and access control for 1.5 at the very least
Key Challenges

Improving the performance of the network code

- either writing platform compatibility layer, or
- using an event library
  - not going to attempt the former, but the latter introduces IP difficulties.
Collaboration Opportunities

- “aside from the obvious MQTT projects, I'm not sure at the moment” – Roger