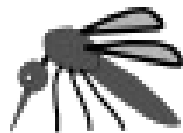


Mosquito



Project Update

March 2015

Ian Craggs

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