

## OASIS MQTT Technical Committee

Minutes of the TC meeting held on Thursday 10th March 2016

*Teleconference meeting*

### **Attendees:**

Senthil Nathan Balasubramaniam  
Andrew Banks  
Ken Borgendale  
Ed Briggs  
Raphael Cohn  
Richard Coppen  
William Cox  
Rahul Gupta  
David Horton  
Alex Kritikos  
Peter Niblett  
Nicholas O'Leary  
Brian Raymor  
Andrew Schofield  
Steve Upton

### **Agenda:**

- Roll Call
- Welcome new TC members
- Approve Agenda
- Approve minutes from last meeting > [https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php/57716/MQTT\\_TC\\_minutes\\_25022016.pdf](https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php/57716/MQTT_TC_minutes_25022016.pdf) <
- Voting Rights update
- Next face-to-face session 11th-13th April
- Jira reviews
- Recharter update: Brian / Peter
- AOB
- Confirm date & time of next MQTT TC meeting
- Call for late joiners
- Close

**Richard Coppen** completes the Roll Call

**\*Reminder** Please use the 'raise hand' feature in the SOAP hub session (also useful during the 'call for late joiners') Please try to remember to say your name before you speak; this helps in preparing the minutes

**Richard Coppen** presents agenda to TC - no objections, TC approve.

**Minutes from last TC meeting** > [https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php/57716/MQTT\\_TC\\_minutes\\_25022016.pdf](https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php/57716/MQTT_TC_minutes_25022016.pdf) < No objections. TC approve.

**Voting Rights update:** following meeting 10.03.2016

- Senthil Nathan Balasubramaniam group role has been changed to Voting Member
- Konstantin Dotchkoff group role has been changed to Member
- Andy Stanford-Clark group role has been changed to Member
- Allan Stockdill-Mander group role has been changed to Member
- Steve Upton returns from LoA, Ian Craggs begins LoA

**\*Current roster** (with voting status) > <https://www.oasis-open.org/apps/org/workgroup/mqtt/members/roster.php> <

### **Next face-to-face session 11th-13th April**

Brian has received confirmation from Richard Coppen, Dr Banks and Nick O'Leary. Alex Kritikos is working on travel approval. Ken Borgendale confirms attendance. Peter Niblett is working on approval. Andy SC working on approval.

**Alex Kritikos:** So is that date 11-13 April the final? Cause then i can begin the approval process.

**Nick OLeary:** Alex - yes, that is the final date. I'm booking flights today

### **Jira reviews**

Brian asks for clarity on MQTT-255. Discussed at the face-to-face, but who is actively working on it. Peter agrees to looking at MQTT-255 to refresh his memory of it (as initial raiser)- we will return return to it later in the call.

*TC agrees to review MQTT-256, Encoding of meta data.*

**Andrew Banks:** provides link to discussion document. > <https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php/57624/MQTT%20Metadata%20-256%20%20Feb%2011%202016.pdf> <

Whilst the TC load-up the document, Ed Briggs requests a description of an illegal topic idea. Ken and Andrew Banks provide an overview of the scheme.

**Nick OLeary:** we reviewed Andy's proposal on the last call. Ken identified a third option, although points out there are two orthogonal concerns - how a packet indicates it contains meta data, and how the meta data is encoded

*Discussion around Ken's idea of using an illegal topic string to indicate the presence of meta data.*

Question from Ed Briggs: What constitutes illegal. Existing implementations have a variety of behaviours over utf8 validation of topics, so this could have unexpected side effects (despite what the protocol says around validation).

TC review idea proposed by Dave Horton: a zero-length topic could be used as the spec says elsewhere that payloads must be at least 1 char. Ken says this had been suggested to be used for something else... although I (Nick) am not sure what.

**Richard** asks: can we assume if you connect as v5 you are signing up to use all the features of v5? Or do we end up with optional features?

**Andrew Banks**, the consumer needs to be able to consume the metadata either way, so only publishers benefit in the scenario of using a zero length topic to assert the presence of meta-data

**Nick** requests some illustrations of what the packets might look like. **Andrew Banks**: There is a trade-off between number of bytes and simplicity of parsing. **Andrew Banks** kindly agrees to create some illustrations for review at the next TC call.

**Peter Niblett** introduces MQTT-255 > <https://issues.oasis-open.org/browse/MQTT-255> <

*Bill Cox joins the call*

Ken asks if we'd require this (more involved connect-challenge sasl type flows) of any client/server implementation, or whether the protocol would just enable this sort of flow for implantations. Brian asks if this is the only proposal.

**Bill Cox**: clarifies that the approach to be generic rather than tied to a specific type e.g., sasl

**Ken** outlines that a generic approach would avoid any normative security changes. **Peter** summarizes as an enablement exercise.

**Bill Cox**: I think there's a difference between requiring (or specifying) specific security (as restricted in the charter) and ENABLING security information exchange as being discussed earlier today.

*TC switch to discussion around sending of WILL Message as a result of session takeover...*

**Ed Briggs**: emailed the TC mailing list with a question on session takeover; in that scenario, should the will message of the disconnected client be sent ?

**Andrew Banks**: if the server doesn't receive a disconnect then the

Will is sent - the basic rule is any time the server disconnects a client, any will should be sent.

**Ed** suggests adding a non-normative line to cover this specific case to remove any ambiguity **Rahul** will raise this as a edit JIRA

**Bill Cox:** comments on the scheduling of the TC meetings as requests they get scheduled further in advance than the current behaviour. **Richard** to review TC scheduling options.

**Recharter update: Brian / Peter**

**Peter Niblett:** on the discussions around proposed charter changes - will socialise the working document

**Brian Raymor:** provides link to discussion doc > [https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php?document\\_id=57626](https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php?document_id=57626) <

**Peter Niblett:** Marked up draft for new charter is at [https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php?document\\_id=57626](https://www.oasis-open.org/apps/org/workgroup/mqtt/download.php?document_id=57626)

**Next TC Call:** Richard to schedule for 17<sup>th</sup> March 2016

**AOB:**

**Richard Coppen:** TC members to confirm attendance with Brian over the next week.

**Richard:** reminds the The TC will need to elect a new secretary, nominations welcome.

**Late joiners:** David Horton, Bill Cox, Steve Upton.

**Close**