

OASIS MQTT Technical Committee
Minutes for the meeting of Thursday, 1st August 2013
Teleconference

Convener: Richard Coppen (IBM)

Attendance:

We have quorum.

Approve Agenda:

The agenda is approved.

Approve minutes form last meeting 18.07.2013:

Minutes approved.

Update on working draft (Editors):

People from IBM have worked intensively on reviewing WD08 up to the SUBSCRIBE section. A lot of issues have been opened following this work, both "Core" and "Edit".

Since there is 25 more pages to review and the TC decided on the last meeting that no new issue would be opened after this call, R. Coppen proposes to extend the closing of issues until next TC meeting.

R. Coppen initiates a vote: Extend deadline for new JIRA issues to 15.08.2013.

Tally Choice

8 Yes

0 No

0 Abstains

MQTT Security Subcommittee update (G. Brown):

G. Brown informs the TC that he could not attend the last Security SC meeting. L-P. Lamoureux and J. Niset replaced him on the call. The minutes of the call have been published on the TC page for everyone to read.

The Security SC has agreed the following:

- The SC will be named MQTT Security Subcommittee
- G. Brown will lead the SC
- A high level strawman has been proposed around two axis
 - Mapping to NIST Cyber Critical Infrastructure Protection guideline lead by G. Brown
 - Mapping to existing legacy security and cryptography lead by A. Nipper

To comply with OASIS process, R. Coppen proposes the following: The TC approves the creation of a subcommittee to be named MQTT Security Subcommittee. Its statement of purpose is to provide guidance on how MQTT solutions may be made secure and how this may mesh with existing security standards. The subcommittee will propose a security section to be included in the main 3.1.1 specification and axillary supporting documentation. Geoff Brown will lead the subcommittee.

R. Coppen initiates a vote: Create Subcomitee as above.

Tally Choice
11 Yes
0 No
0 Abstains

The creation of the SC is approved by the TC and the process with OASIS is closed.

Current Timeline update (Richard Coppen):

Seven weeks left before we move to CSD (or 3 TC meetings). Since all issues will be opened for WD09, that leaves 2 TC meetings to close all remaining JIRA issues.

R. Coppen suggests that we increase the frequency of the calls to accelerate the closing of issues.

A. Banks states that he does not believe it will help.

It is decided to continue as we do for now and evaluate our options on the next TC meeting.

Review of JIRA issues:

A scrub call was organized last Friday that focused on MQTT-6 and MQTT-8.

R. Coppen proposes to discuss the following issues starting with MQTT-8:

<https://tools.oasis-open.org/issues/browse/MQTT-8>
<https://tools.oasis-open.org/issues/browse/MQTT-38>
<https://tools.oasis-open.org/issues/browse/MQTT-49>
<https://tools.oasis-open.org/issues/browse/MQTT-50>
<https://tools.oasis-open.org/issues/browse/MQTT-52>

A. Banks explains that MQTT-8 and all these issues relate to malformed packets.

Long discussion about MQTT-8 and related issues between several TC members including A. Banks, N. O'Leary, P. Niblett and R. Coppen. Due to the poor quality of the line, this discussion cannot be transcribed by the secretary.

R. Coppen explains that discussing MQTT-8 lead to the creation of several new JIRA issues.

N. O'Leary notes that we are getting a lot of overlap between issues addressing malformed packets. He proposes that we use MQTT-49 as the baseline on how to handle malformed packets. Other issues can be opened to address exceptions.

A. Banks will propose a slight modification to MQTT-49. The TC agrees.
MQTT-49: Proposed N. O'Leary, seconded A. Banks.

N. O'Leary notes that MQTT-38 is a subset of MQTT-49. He proposes to close this issue.
MQTT-38: Proposed P. Niblett, seconded R. Gupta.

Additional issues discussed:

<https://tools.oasis-open.org/issues/browse/MQTT-27>

A. Banks: There is a non-normative comment in section 2.2.2.1 that describes the DUP flag. The comment is unclear and should be rephrased. This issue was discussed on the scrub call and the conclusion was that the DUP flag should refer to the control packet itself, not the application message. He proposes to change the non-normative comment as described in JIRA.

N. O'Leary notes that the DUP flag is of limited use in implementations. He is not sure he agrees with the proposition. He proposes that we only keep the first sentence of the proposition. He will propose an alternative wording along these lines.

The TC agrees.

<https://tools.oasis-open.org/issues/browse/MQTT-22>

A. Kritikos proposes that a server not complying with dynamic topic should still be compliant with the spec.

Following a discussion between A. Kritikos, A. Banks and P. Niblett, the TC agrees to the following proposition: An implementation may define topics administratively or dynamically (and form part of a security model) and be compliant.

P. Niblett wants to clarify that a server could decide to use one or the other.

ISO/IEC JTC 001/SWG 05 "Internet of Things (IoT)" Liaison request (Geoff Brown): A Korean constituent sent a liaison request to OASIS that was forwarded to G. Brown. They are very interested by the work of the TC. G. Brown proposes to initiate exploratory discussions with them in the name of the TC and act as liaison.

The TC agrees.

Confirm date & time of next meeting (R. Coppen): Scheduled to August 15th.

Any Other business: None.

Call for late joiners: 8 late joiners.

Close.