Common API for Transparent Hybrid Multicast draft-irtf-samrg-common-api - Status Update –

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History of the Draft

o   Version 00/01 presented at IETF 76, Hiroshima

o   Adopted as WG document @ Beijing

o   Update version 05 submitted January 2011

o   Update version 06 submitted March 2011

o   First WG draft March 2011: draft-irtf-samrg-common-api

o   Update version 01 submitted March 2011

  -   Presented @ IETF 80 Prague

o   Update version 01 (shortly before IETF 81)
    and version 02 (during IETF 81) July 2011

o   Update version 03: Major update on namespace and mapping +
    Many clarifications and editorial improvements

Comments by WeeSan, Juniper (1)

o I understand there is an example code in Appendix B, but, i think it would be easier to visualize what is provided by the APIs by showing a very simple example in the introduction section, which should give the readers an very high level of overview of what they will be getting at.

- -> Will be addressed next version.

o I think the APIs are great; however, personally, I would rather to see more simpler one, e.g.,:

- MulticastSocket m = new MulticastSocket("ip://224.1.2.3:5000");
  m.send("hello world");

- -> Convenience of the implementation

Comments by WeeSan, Juniper (2)

o srcRegister() and srcDeregister() are too PIM-specific. I don't think an application should care about it.

- -> Overlay schemes, for example, care about source (e.g., Scribe)

o It looks like send() and received() can send and receive packets from multiple groups. Would it be easier to have one socket per group?

- -> Reduces flexiblity; application can join just one group per socket

o For enableEvents() to work, the mcast protocol needs to turn on membership tracking, right? ie. no join suppression.

- -> Not necessarily; depends on the middleware logic

Comments by Mario Kolberg

o To my mind it reads very well!

o I have just one main point of concern: the lack of a illustrative example to show the application of the API in a realistic example.

- -> Will be added next version

- -> Reuse example in Figure 1

Thank you …

o No major objections by WeeSan and Mario

o We will add some more clarifications + examples

Ready for last call after next update