Common API for Transparent Hybrid Multicast

draft-irtf-samrg-common-api

- Status Update –

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History of the Draft

- Version 00/01 presented at IETF 76, Hiroshima
- Adopted as WG document @ Beijing
- Update version 05 submitted January 2011
- Update version 06 submitted March 2011
- First WG draft March 2011: draft-irtf-samrg-common-api
- Update version 01 submitted March 2011
  - Presented @ IETF 80 Prague
- Update version 01 (shortly before IETF 81) and version 02 (during IETF 81) July 2011
- Update version 03: Major update on namespace and mapping + Many clarifications and editorial improvements
Comments by WeeSan, Juniper (1)

- 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.

- 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)

- 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)

- 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 flexibility; application can join just one group per socket

- 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

• To my mind it reads very well!

• 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 ...

- No major objections by WeeSan and Mario
- We will add some more clarifications + examples

Ready for last call after next update