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Japan

IGMP/MLD-Based Explicit Membership Tracking Function for Multicast Routers

draft-ietf-pim-explicit-tracking-13

Hitoshi Asaeda

Status

- Revised drafts (-12 and -13) submitted
 - Intended status changed from PS to Experimental due to the discussion in the last meeting
- Section 1 (Introduction) was modified, and section 1.1 (Motivation and Experimentation) was added
 - Introduce a mechanism called specific query suppression with a robust link state
 - Introduce the risk of having wrong membership state and guide for setting up appropriate values or mechanisms
 - Describe what kinds of experiments required to make this a standard track protocol

Robust link state (Sect. 4)

- The specific query suppression MAY define an option called "robust link state". **If an operator is confident that the link is stable and robust enough and thus the tracked membership state information is perfectly synchronized with the current (actual) member hosts, s/he can enable the specific query suppression with a robust link state.** A router enabling the specific query suppression with a robust link state does not send any specific query message(s) and immediately leave the group or sources when the sole member has left according to its membership state information.

Risk of wrong membership state (Sect. 6)

- If operators think that their link is not fairly robust or packet loss may happen due to, e.g., network congestion, they may want to disable the explicit tracking function for the routers on their link to reduce the risk of the incorrect membership expectation.

Next Steps

- Editorial update and revision (-14) submission
- Ask WGLC after the revision