DOTS Signal Channel

https://github.com/boucadair/draft-ietf-dots-signal-channel

DOTS WG Meeting
Montreal, July 2018

Editors: Tiru (Reddy) & Med (Boucadair)
WGLC Comments (-19/-20)

• Add explicit mention about the use of ‘coaps’ and ‘coaps+tcp’ URI schemes (*clarification*)

• Loop behavior
  – Add an explicit mention that ‘hop-limit’ option can appear only once in a message (*clarification*)
  – When a hop is detected by a DOTS gateway, it has to include its information in the diagnostic payload (*enhancement*)
  – Also, each intermediate DOTS gateway involved in relayed 5.06 (Hop Limit Reached) error message prepends its information in the diagnostic payload (*enhancement*)
WGLC Comments (-19/-20)

• Redirected signaling (*enhancement*)
  – In order to avoid oscillating between DOTS servers, a guard is defined: 5 minutes
  – The TTL of the record returned in a redirected signal message can be set to:
    • ‘-1’: indicates that the alternate server(s) must be used till another redirect signal is received
    • ‘0’: indicates that redirection applies only for the mitigation request in progress
    • Otherwise, the DOTS client must fall back to its nominal server upon expiry of the TTL, except when a DDoS attack is active
  – Returning short TTL values may have negative impact for some DOTS clients
WGLC Comments (-19/-20)

• When a conflict is detected by a DOTS server, it may reply with 2.01 (Created) or 4.09 (Conflict) (enhancement)
  – Policy-based
Last Changes: -21

• Update the behavior for handling Max-Age (minor)
  – Used to rely on a refresh request by means of PUT with the assumption that the client mirrors the information received as a response to a PUT or GET
  – s/PUT/GET
• Fixed a nit on an example (Kaname)
Update on DOTS Port Allocation

• Request for 4646 was handed to the chairs/AD (03/2018)

• Any update from the chairs?
What’s Next?

• Request IESG publication?