DOTS Signal Channel

https://tools.ietf.org/html/draft-ietf-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 getaway 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?