Multi-homing Considerations for DOTS: An Update

https://tools.ietf.org/html/draft-boucadair-dots-multihoming-02
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Homework from Prague

• From the Prague minutes
  – “Chairs: suggest to add the multi-homing contents into existing requirements and architecture draft”

• Check if (and what) are required modifications to existing DOTS documents, especially the requirements and architecture I-Ds
• Propose the following NEW text to capture the main required behavior for DOTS agents in a multi-homing context:
  – "Multi-homed DOTS clients must be able to select the appropriate DOTS server(s) to which a mitigation request is to be sent. Further multi-homing considerations are out of scope."

• This text was published in draft-ietf-dots-requirements-07
DOTS Architecture

- The architecture I-D mentions multi-homing in different sections
- The level of details is appropriate for an architecture document
- The architecture I-D ACKs the following:
  - "Deploying a multi-homed client requires extra care and planning"
- Implementers and operators who need to know more about this “extra care” can refer to the multi-homing draft to zoom more on the deployment considerations, including the exact behavior of involved DOTS agents
  - Updated the multi-homing draft to make it explicit it is about “deployment considerations” I-D
DOTS Signal/Channel

• Multi-homing imposes requirements on DOTS agent behaviors, not the protocols

• Updated the multi-homing draft with this NEW text:
  – Multi-homed DOTS agents are assumed to make use of the protocols defined in [I-D.ietf-dots-signal-channel] and [I-D.ietf-dots-data-channel]; no specific extension is required to the base DOTS protocols for deploying DOTS in a multihomed context
Next Steps

• How to proceed?
  – Dispatch the content of the draft among existing I-Ds.
    • For example, add an appendix to the architecture I-D to discuss multi-homing
    • A proposal is available at: https://github.com/dotswg/dots-architecture/pulls
  – Consider adopting this document as a WG to complement the DOTS Architecture