

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

DOTS Requirements I-D

- 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