

RAW multidomain extensions

draft-bernardos-raw-multidomain-00

IETF 115 – RAW WG

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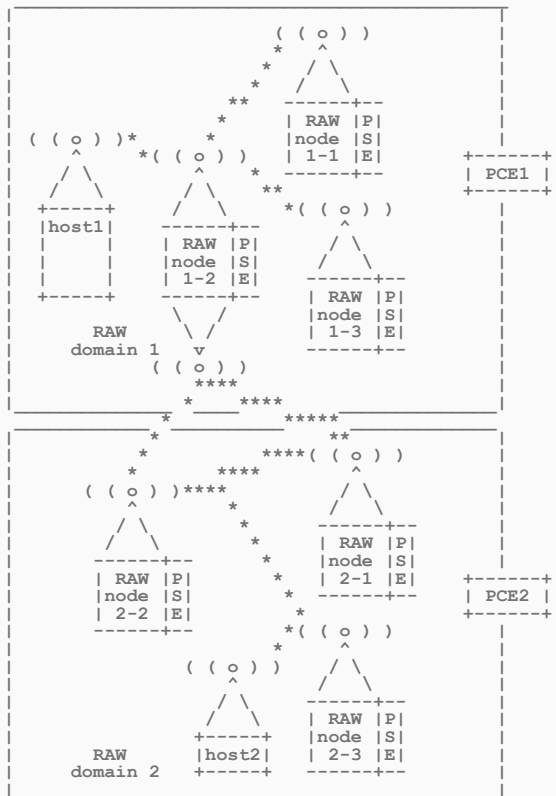
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Aim and scope

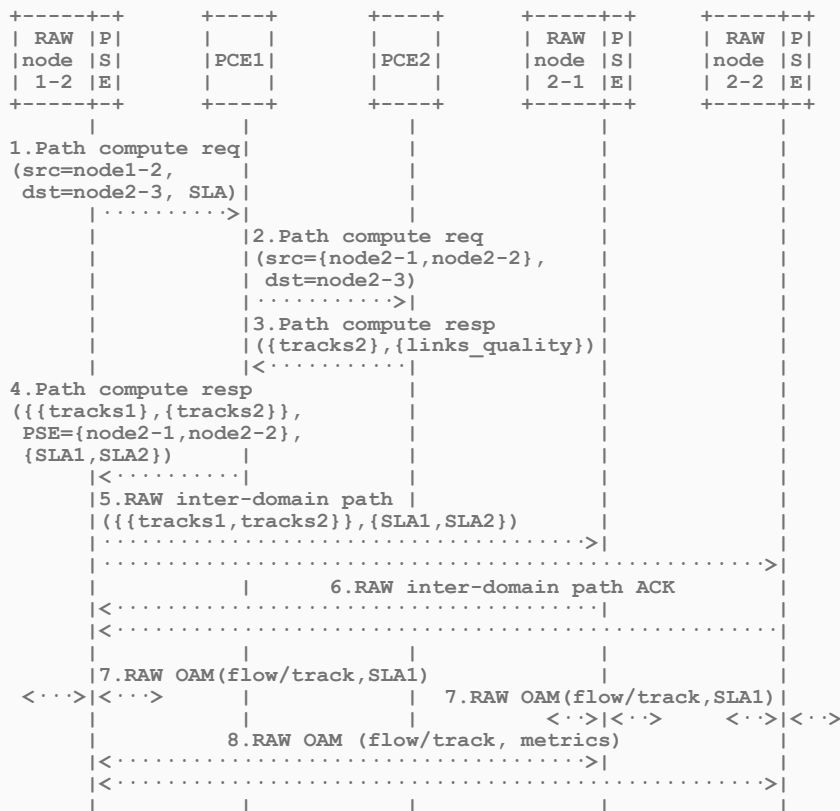
- Current scope of the WG is mostly focused on single-domain
- There are scenarios requiring multidomain RAW
 - where hosts are connected to different RAW domains and they need to communicate to each other with certain reliability and/or availability guarantees
 - E.g., in large factories where networks might be organized in domains (per production lines or building/sites)
- Goal is to explore current RAW multi-domain gaps (arch, OAM, etc) and propose solutions

Exemplary scenario



- Two domains, each one with its own PCE
- Domains might be interconnected via multiple paths
- Multiple gaps:
 - Domains need to set up the inter-domain connectivity (this might need discovery)
 - Multi-domain paths need to be discovered
 - There is inter-PCE work
 - Inter-domain PSE coordination

Proposed extensions



Summary and next steps

- Is there interest in this problem in the WG?
 - Many gaps to identify and address (e.g., OAM)
 - Potential new protocol work needed
 - Relation to DETNET
 - Discussion also started at DETNET WG (triggered in an interim meeting)
 - <https://datatracker.ietf.org/doc/draft-bernardos-detnet-multidomain/>
- Please share your comments on the ML