

RAW multidomain extensions

draft-bernardos-detnet-raw-multidomain-00

IETF 118 – DetNet WG

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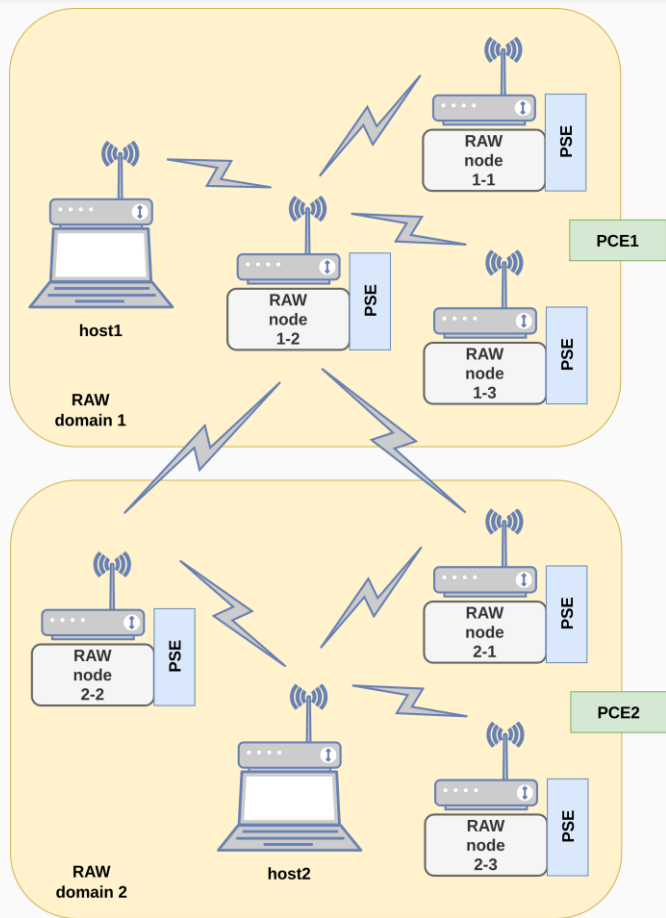
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Aim and scope

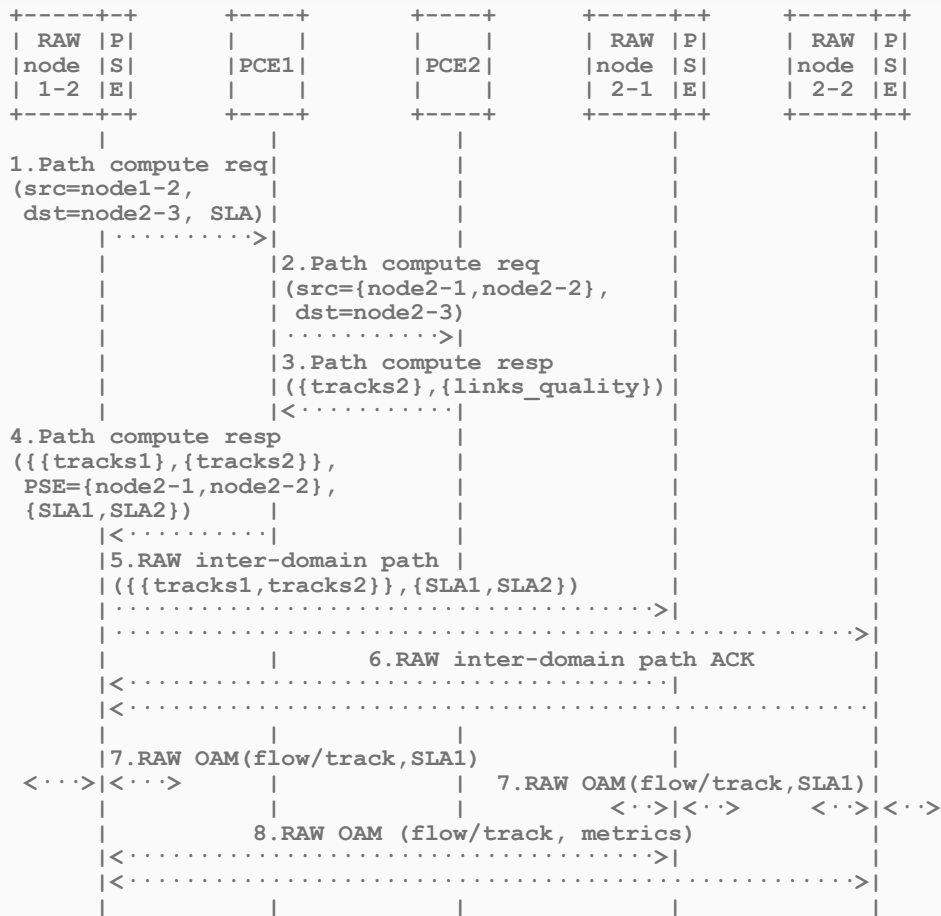
- Scope of the RAW WG was mostly focused on single-domain
- There are scenarios requiring multidomain RAW/DetNet
 - where hosts are connected to different RAW domains and they need to communicate to each other
 - E.g., in large factories where networks might be organized in domains (per production lines or building/sites)
- Goal is to explore RAW multi-domain gaps (arch, OAM, etc) and propose solutions
 - Gaps and requirements partially covered now in [draft-ietf-detnet-controller-plane-framework-05](#)

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

Some proposed extensions (example/initial work)



Summary and next steps

- Work presented in the RAW WG
 - Good feedback, but it was early to look on extensions
- Is there interest in working on this in the WG?
 - Potential new protocol work might be needed
- Please share your comments on the ML!

Acknowledgements

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