

Open Questions in Path-Aware Networking draft-trammell-panrg-questions-01

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Some Questions

- how are path properties defined and represented?

this question remains open

work item: list possibly-useful path properties

- how do endpoints discover trustworthy path properties?

SCION and ALTO represent points in this design space.

- how can endpoints select paths to use for traffic in a way that can be trusted by the network

addressing- and PCFS-based approaches may work.

More Questions

- how can interfaces to the transport and application layers support the use of path awareness?
Post Sockets (in TAPS) could be adapted to path-aware architectures.
work item: define design space for path-aware transports
- how can a path aware network in a path aware internet network be effectively operated? *this question remains open*
- how can the incentives of network operators and end-users be aligned to realize the vision of path aware networking?
this question remains open