

A Vocabulary of Path Properties

draft-irtf-panrg-path-properties

Theresa Enghardt
Cyrill Krähenbühl

IETF 112

Revise Entity definition

- Entity:
 - “**plays a role** related to path-aware networking”
 - “**for particular paths and flows**”
 - On- or off-path
 - Possible roles:
 - On path: May participate in forwarding, i.e., **data plane** functionality
 - On or off the path: May influence aspects of how the flow is forwarded, i.e., **control plane** functionality
 - If entity on control plane: Usually aware of path properties

Model Transparency using a function f :

- Input:
flow F ,
(meta-) information M
- Output:
Action A taken by a node
- If **A is not impacted by M :**
Node is transparent to F with respect to M
(e.g., if A is constant for arbitrary values of M)

Open questions

- Define more terms that are used in other PANRG drafts?
 - Routing domain identifier (draft-irtf-panrg-questions)
 - (More suggestions?)
- How to determine which terms merit defining in this document?