ILA update

draft-herbert-intarea-ila-01

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ILA BOF on Thursday

- Thursday, 18:10, in Viscount
- Non-WG forming BOF
- Elaborate on problem statement, use cases
- Not in-depth discussion on solutions!

Ongoing discussions

- ILA mailing list
  - www.ietf.org/mailman/listinfo/ila
  - Discussions on security, scalability, mapping caches and DOS threat, ILA-LISP-CP proposal
- Discussions on dmm and 5gangip lists
  - Specific to mobile use case
  - Suggested as item for in 3GPP SA2 Release 16 study item (dmm)

Dataplane discussions

- ILA is **not** encapsulation
- Not extensible
- Everything needs to fit into 128 bits
    - Relaxed on 64/64 split to allow different encodings
    - Techniques like locator indexing, chaining transformations for TE
- Trade off in keeping dataplane simple and efficient vs. complexity in control plane

Control plane discussions

- Discussion tends toward identifier/locator split
- Aka "mapping systems"
- "Four pillars" of a mapping system
  - Scalability
  - Security
  - Privacy
  - DOSability

Thank you!