IETF Hackathon

IETF 116
25-26 March 2023
Yokohama, Japan

I E T F

Hackathon Plan

- Conceptualizing TD-SRv6 (Trusted Domain SRv6)

  - SRv6 does not adequately realize the requirements of section 8 of RFC8402

  - Presently SRv6 has demonstrable security flaws

  - We are collaboratively writing a -00 draft

- Draft something that addresses the issues while maintaining the work done on the base protocol

What got done

- We are very close to a -00 (which we hope to submit in the next week)

  - We got a lot of solid feedback from contributors – collaborative drafting in the context of the hackathon was very useful

  - Our working draft can be found at https://github.com/przygienda/trusted-domain-srv6

  - The primary conclusion of the work to date, is to give SRv6 a new ethertype

  - We intend to complement the existing SRv6 work and all drafts, rather than replace them.

What we learned

- We confirmed that there is strong interest from the operator community for this work

  - Long discussions were had about points of imposition of the new ethertype

  - We are hoping that the benefits of this will encourage its adoption

  - Drafting collaboratively, rather than presenting a -00 draft has had advantages in receiving a stream of feedback as people approached the table

Wrap Up

Team members:

Andrew Alston
Anthony Somerset
Tony Przygienda
Weiqiang Cheng
Tom Hill

First timers @ IETF/Hackathon:

Tom Hill

Contact details can be found in the author list of the draft at:

https://github.com/przygienda/trusted-domain-srv6