Problem statement

• Code related to IETF RFCs and I-Ds takes many forms and exists in many places
• Not easy for people to find such code
• Make it easier to identify and find such code
Existing IETF processes and procedures

• Implementation Status section defined in [RFC7942]
  – Allows authors of I-Ds to record status of known implementations
• GitHub Integration and Tooling WG (GIT)
  – Practices for use of GitHub by working groups to manage their work
• Hackathon
  – Collaborate on code related to existing and evolving Internet standards
Proposal

• GitHub repo for draft
  – Setup as recommended by GIT WG (RFC 8874, RFC 8875)
• README
  – Include info about code associated with draft
• Datatracker
  – “Additional Resource” mechanism to associate GitHub repo with draft
• Implementation Status
  – Include GitHub repo, e.g., link to README
• Inline Errata
  – If draft published as RFC, link to GitHub repo added as inline errata
related-implementations

• For individual drafts, authors can edit “Additional resources”
• For working group drafts and RFCs, working group chairs can edit
related-implementations

Additional Resources

github_repo https://github.com/eckelcu/draft-eckel-edm-find-code
(GitHub repository to collaborate on draft)

related_implementations https://datatracker.ietf.org/doc/rfc9311/
(Example implementation in RFC 9311)

Format: 'tag value (Optional description)'. Separate multiple entries with newline. When the value is a URL, use https:// where possible.
Links to I-Ds/RFCs and code for Hackathon projects


**SRv6 Data-Plane Visibility**

- **Champion(s)**
  - Thomas Graf (thomas.graf at swisscom.com)
  - Benoit Claise (benoit.claise at huawei.com)
  - Alex Huang-Feng (alex.huang-feng at insa-lyon.fr)
- **Draft(s)**
- **Project info**
  - Develop and validate running code. Extend IPFIX export in VPP at [FD.io](https://github.com/FD.io) and on Huawei VRP. Establish SRv6 network topology with network telemetry data-collection and data mesh. Validate exported and transformed IPFIX data.
Export of Segment Routing over IPv6 Information in IP Flow Information Export (IPFIX)
draft-ietf-opsawg-ipfix-srv6-srh-06

Document Type: Active Internet-Draft (opsawg WG)
Authors: Thomas Graf, Benoit Claise, Pierre Francois
Last updated: 2023-01-06 (Latest revision 2023-01-06)
Replaces: draft-tgraf-opsawg-ipfix-srv6-srh
RFC stream: Internet Engineering Task Force (IETF)
Intended: Proposed Standard
RFC status:
Formats:
Additional resources:
Stream: WG state
Submitted to IESG for Publication

VPP topologies
This repository have the vpp configurations for the following POCs in VPP:
- draft-tgraf-opsawg-ipfix-srv6-srh
- draft-tgraf-opsawg-ipfix-on-path-telemetry

Dependencies
- VPP fork repository: INSA-unity-vpp
- Tested in ubuntu/focal64 using Vagrantfile
Code requirements

• Potentially of interest and beneficial to people contributing to the definition, implementation, or deployment of an existing or evolving IETF standard
• Publicly available
• Clearly documentation
• Preferably open source
Implementation status

• Practices in proposal followed by RFC 9311
• Positive feedback from Hackathon participants
• Number of drafts/RFCs/WGs using
  – 14 at IETF 114
  – 27 at IETF 115
  – 40 at IETF 116
  – 61 at IETF 117 (as of Monday, July 23)
Limitations

• Ability to associate “related-implementations” with I-D not widely known or used
  – Tools Team made viewing/editing Additional Resources more prominent
  – Functionality promoted in Hackathons
• Process to submit errata not well known or used
• Errata that is submitted is not always processed in a timely fashion
  – Experiment with collaborative annotations for RFCs related to DNS underway
What to do next

- Discussed in EDM and IABOPEN
- Rough consensus on problem statement and proposed solution
- Next steps
  - Adopt as IAB document?
  - AD-sponsor?
  - Ask GENDISPATCH?
Thank you!