Draft Update: ASPA-Based AS_PATH Verification

https://datatracker.ietf.org/doc/draft-ietf-sidrops-aspa-verification/

Presenter: K. Sriram

Authors: A. Azimov, E. Bogomozov, R. Bush, K. Patel, J. Snijders, and K. Sriram

SIDROPS WG Meeting
IETF 119
March 2024

Status

- Version-17 (February 2024) was just a keep-alive bump up

- Editor copy of Version-18 is in good shape – time and effort devoted by me, Claudio, Alexander, and others

- Waiting on one author who is taking another look at it

- Hoping to upload Version-18 soon

What are the changes coming in Version-18

- Text improvements for clarity and removing redundancy
- Security Considerations section more substantial based on WG comments
- One key change is:
  - ➢ Added "Updates: RFC 9234"
  - ➢ RFC 9234 is about BGP Roles and Only to Customer (OTC) Attribute and is complementary to the procedures in this document
  - ➢ The mutual-transit BGP Role defined in this document was not included in RFC 9234
  - ➢ "This document updates RFC 9234 by clarifying that the RFC 9234 procedures must not be used on mutual-transit BGP sessions"

New Draft on SPL- Based Route Origin Verification and Operational Considerations

- Turns out that SPL also complements ASPA in some ways – protecting against AS forgery and reducing attack surface for forged-origin prefix hijacks, etc.

https://datatracker.ietf.org/doc/html/draft-sriram-sidrops-spl-verification

Comments welcome!