Draft Update: ASPA-Based AS_PATH Verification


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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.


Comments welcome!