IKEv2 negotiation for BEET Mode

draft-antony-ipsecme-iekv2-beet-mode

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Since IETF 118

Focus only on IKEv2 negotiation for BEET
Goal

- Code Point for IKEv2 BEET mode negotiation
  - BEET defined in Appendix B of RFC 7402
Current Use cases

• For End-to-end tunnels BEET saves bytes.
  – About 20 bytes for IPv4 (without IPv4 options)
  – 40 bytes for IPv6
• HIP RFC 7402, RFC 5202
  – HIP use BEET mode without IKE
• Minimal IPsec RFC 9333
Software support

- Linux initial commit 2006
  - Linux kernel sees several related fixes
- strongSwan supports using private IKE Notify
- Linux iproute2 command line tool to setup SA
  - (ip xfrm mode beet)
Next Steps

- Requesting adoption of this I.D.

- Interest to write RFC 7402 Appendix B bis?
  - Write bis document for just for the Appendix B?
  - Especially to RFC 7402 authors?
    - Would you like to write a BEET mode I.D.?