

IKEv2 negotiation for BEET Mode

draft-antony-ipsecme-iekv2-beet-mode

IETF 120, Vancouver, July 2024

Antony Antony

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.?

Questions / Feedback?

Adoption?