IKEv2 negotiation for BEET Mode
draft-antony-ipsecme-iekv2-beet-mode

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Antony Antony

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Goal

- Code Point for IKEv2 BEET mode negotiation
  - defined in Appendix B of RFC 7402
    - (Packet format defined in 2015)

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Current Use cases

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

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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)

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Since IETF 120

- Focus only IKEv2 Code Point

  – Use the RFC 7402 to get a code point

- RFC 7402 authors (Bob) may write bis document.

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Questions / Feedback?

Requesting WG Adoption

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