IPsec between MN and CN

draft-dupont-mipv6-cn-ipsec-01.txt

IETF60-MIP6 (1)

Short presentation

- Some people (including the second author) don't believe that the return routability procedure provides enough security

- Implicit applicability (so we won't talk about it)

- IPsec and IKE profiles (for instance, use the home address)

- Strong proof of origin

- Get the triangular routing back for free (home address option validation)

- Protect the mobility signaling for routing optimization

- State-cookie mechanism for care-of address test (mandatory for "real alternate care-of addresses")

- Conclusion: give a new reference point for routing optimization security

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Next steps

- WG item?

- Separate document for the cookie-based care-of address test (as it is not specific to IPsec)?

- Implementations?

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