Operational Management Model

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Goals of Draft

● Produce a management and operation model for KARP protocols

● Today, mostly questions for the WG

● Long term, model useful to implementers and operators
Major Points

● Describe questions about how keys are configured

● Describe authorization information which is needed for credentials used by automated key management

● Discuss upgrade requirements
Authorization

- Authorization differs based on credential type.
- Pre-shared keys are authorized by holding the key.
- Other types may be authorized by peer IDs.
Feedback Received

- Need to discuss per-peer configuration as well as per-interface/area/other distinctions.
- Pre-shared keys used for a KDF are different than used for automated key management.
- Some discussion is vendor specific.
Management is not Vendor Specific

- The Design of Netconf schemas or SNMP MIBs requires an information model.
- Where objects are configured (peer/interface/etc) and how these are aggregated affect the operational interface.
- Getting this right affects the deployability and the security of protocols.