

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.