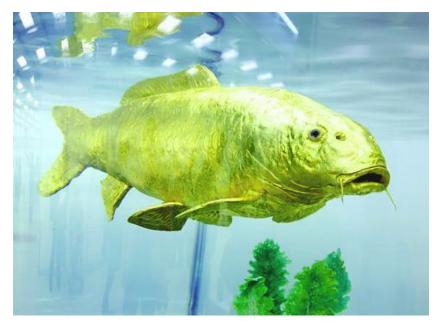
Keying and Authentication for Routing Protocols (karp)



http://www.taipeitimes.com/News/biz/photo/2003/10/17/0000063738

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Agenda

Administrivia (5 minutes)

- Scribes (Meeting Minutes & Jabber)
 - Many thanks to Richard Graveman, for volunteering to take meeting minutes!
 - Many thanks to Melinda Shore for volunteering to Jabber Scribe
- Blue Sheets

Welcome & Document Status - Chairs (15 minutes)

Core Documents

- Design Guide Frameworks discussion Chairs & WG (15 minutes)
- Database of Long-Lived Symmetric Cryptographic Keys Tim Polk (15 minutes)
- Operations Model for Router Keying Sam Hartman (15 minutes)

Routing Protocol Analysis Documents

KARP IS-IS security gap analysis - Uma Chundauri (15 minutes)

Automated Key Management for Routing Protocols Using TCP

- Using IKEv2 with TCP-AO Uma Chundauri (15 minutes)
- Key Management for Pairwise Routing Protocol Dacheng Zhang (15 minutes)

Automated Key Management for Multicast-Based Routing Protocols

The Use of G-IKEv2 for Multicast Router Key Mgmt - Paulina Tran (15 minutes)

Current WG Drafts

draft-ietf-karp-design-guide-07

Status: IESG Evaluation - Defer::AD Followup

draft-ietf-karp-threats-reqs-03

Status: Waiting for AD Go-Ahead::Revised ID Needed

draft-ietf-karp-ospf-analysis-02

draft-ietf-karp-routing-tcp-analysis-00

Status: I-D Exists. Advancement blocked on approval of design-guide and threats-reqs.

draft-ietf-karp-crypto-key-table-02

Status: I-D Exists. New version needs review.

draft-ietf-karp-ops-model-01

Status: I-D Exists. New version needs review

Design Guide Frameworks discussion

One outstanding DISCUSS from Russ H.

"Since we know that manual key management must be supported, the KARP WG has decided to specify a crypto key table. Manual key management is populating the table, but this needs to be accomplished using an interface that protects the keying material from disclosure or alteration.

In addition, we want to specify automated key management. A protocol to automatically populate the crypto key table will be used. Several cases need to be considered:"

- Pairwise keys
- Group Keys
 - distributed by a key center
 - · group keying protocols

Responses to the DISCUSS

Manay Bhatia

- "... we have not had any discussions on whether this is the FINAL approach that we are taking. I think its too premature to commit to this and the design guide should remain oblivious to a solution that has not even been debated in the WG."
- Several WG members agreed
- A couple WG members disagreed
- We need Consensus to progress this and a number of other documents....

Question before the WG:

- The KARP Working group agreed to adopt the Key Tables abstraction as a representation of the interface between the routing protocols and manual or automatic key management.
- The question before the WG is whether it is appropriate for the design guidelines to reference this, and to expect that protocol specific efforts will look carefully at the relevance of the key tables work to the specific case.