

GSAKMP

Group Secure Association Key Management Protocol

Presented by

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410-381-9400 x203

draft-irtf-smug-gsakmp-00.txt

draft-irtf-smug-polreq-00.txt

<ftp://ftp.sparta.com/pub/columbia/gsakmp/gsakmp-0.5.tar.gz>

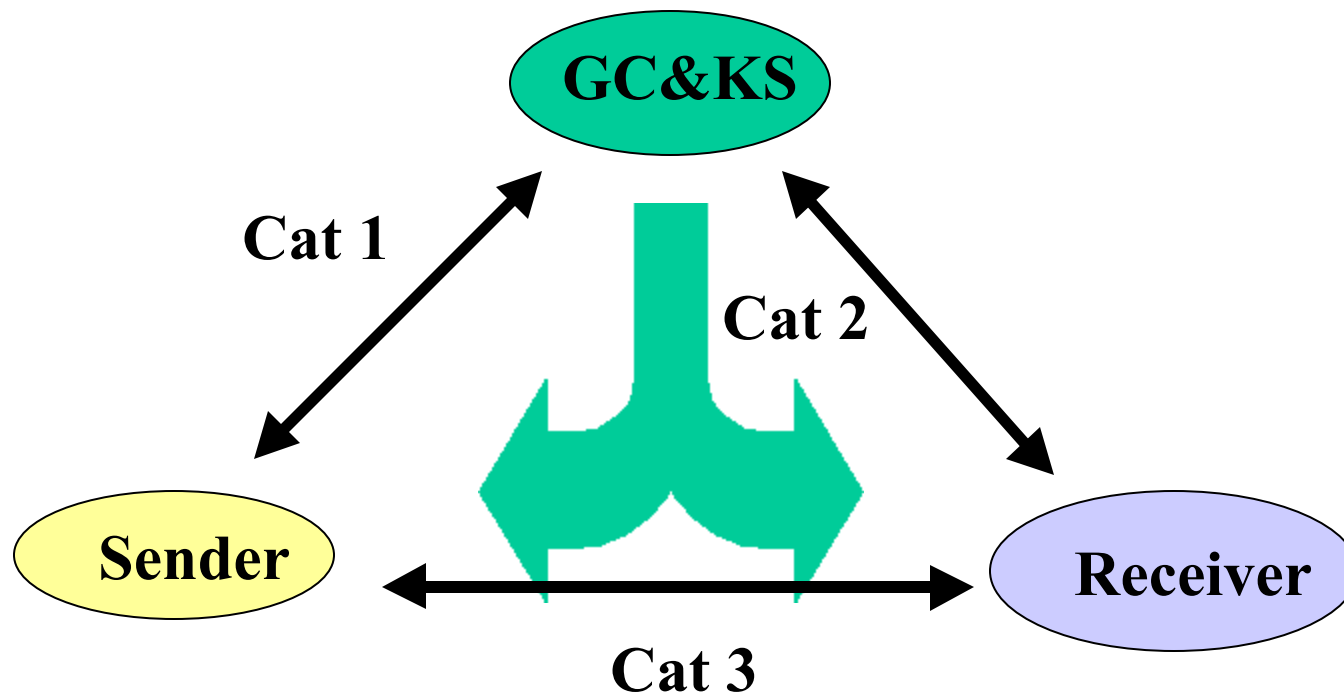
GSAKMP Goals

- **Secure group key management**
 - Secure key download in many architectures
 - Management of group keys - Traffic and Membership management
- **Coherent policy**
 - Balanced security mechanisms for group
 - Common cooperatively enforced policy
- **Flexible architectures**
 - Layered over peer SA protocols
 - Behind VPNs
- **Scalability**
 - Multiple key servers
 - Multiple authorized managers
- **Management of group membership**
 - Group membership management
 - Group policy management

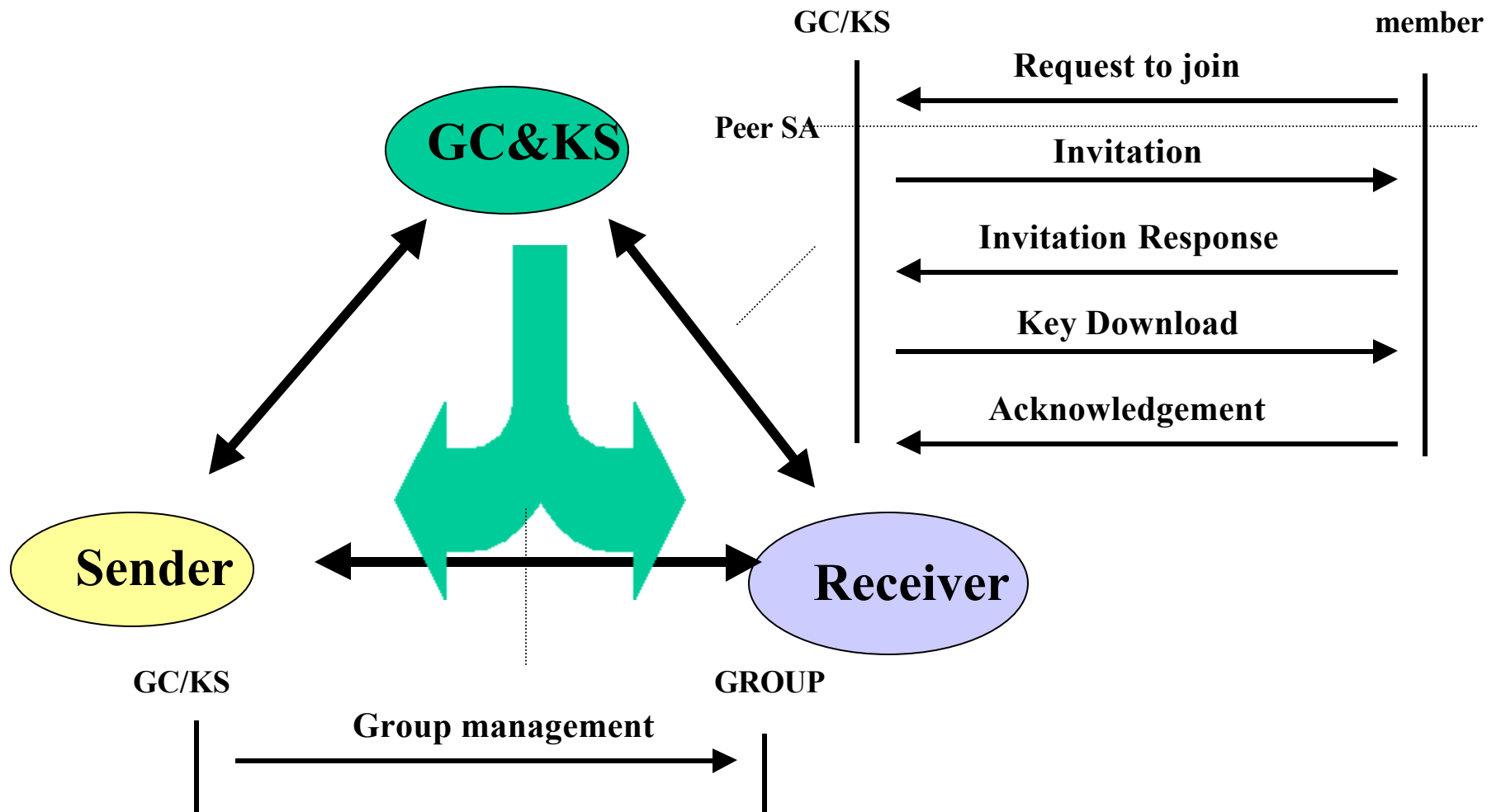
GSAKMP Functions

- **Establishment**
 - **Clearly defined group policy**
 - **Group wide enforcement of that policy**
 - **Distribution of group keys**
 - **Traffic**
 - **Group management**
- **Management**
 - **Group membership management**
 - **Flexible group policy**

Group Key Management Architecture



GSAKMP



Summary

- GSAKMP provides a complete solution
 - draft-irtf-smug-gsakmp-oo.txt
- Group policy is the key to group key management
 - draft-irtf-smug-polreq-oo.txt
- Free proof of concept code is available
 - <ftp://ftp.sparta.com/pub/columbia/gsakmp/gsakmp-0.5.tar.gz>