

GSEC Secure IGMP Work Report

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Purpose

- Inform MSEC regarding this work
- Briefly describe the work, give status
- Solicit opinion about direction

GSEC Secure IGMP Work

- We have 4 GSEC I-Ds on the topic
- Made it a focus of the RG
- Did a lot of work in requirements
- Did a little work on architecture
- Had a dozen or so postings on mailing list

GSEC Secure IGMP I-Ds

- draft-irtf-gsec-smrac-00.txt
- draft-coan-hasm-00.txt
- draft-irtf-gsec-igmpv3-security-issues-01.txt
- draft-irtf-gsec-sgmw6-00.txt (to be discussed for 1st time tomorrow)

Requirements Work

- Got the all of the authors together to discuss requirements
- We converged and have a joint presentation
- Primary requirement is authorization
 - DoS prevention
 - Provisioning and preventing unauthorized bandwidth usage
- Haixiang to present report to GSEC tomorrow

Architecture Work

- A second team included authors who compared 3 architectures
 - Alternative authorization/authentication schemes
 - Alternative data-security schemes
 - Lots of commonality though no convergence yet
- Brian to present to GSEC tomorrow

Going Forward

- Want to converge on 1 or 2 approaches
- Move to detailed requirements
- Develop common architecture
- Identify what standards can be used
- Identify what needs to be standardized