

P2PSIP Security

draft-matuszewski-p2psip-security-requirements-04

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Why?

- Early conversations with potential customers of P2PSIP found that security concerns were primary objection
- Goal of draft(s) is to list security issues, list solutions and provide guidance into discussion with aim to remove market barriers

Current Status

- Merger of two documents:
 - draft-matuszewski-p2psip-security-requirements-02
 - draft-song-p2psip-security-eval-00
- Revised author team:
 - Song Haibin (Huawei), Marcin Matuszewski (Unaffiliated but formerly Nokia Siemens), Dan York (Voxeo/VOIPSA)
 - Contributors: Christian Schmidt (Nokia Siemens), Jiang XingFeng (Huawei)

Current Structure

- Security comparison between C/S and P2P
- Security analysis with P2P layers
- Security analysis with application scenarios
- Security requirements
- Appendix: Security threats

Planned Work

- Synchronize with latest RELOAD updates, particularly with regard to layers
- Continued editing for improved readability
- A section will be added on security requirements related to interconnection of P2PSIP networks to other networks such as non-P2P SIP networks and the PSTN
- Status of Marcin Matuszewski will be clarified

Open Issue #1

- Should this continue to exist as a separate draft?
- P2PSIP Base (RELOAD) also includes "Security Considerations" (section 13)
- Options:
 1. SEPARATE DRAFT - Keep security requirements as separate draft, incorporate security info from P2P Base and point from Base to this doc
 2. FULL MERGE INTO BASE - Merge relevant portions of text into P2P Base
 3. PARTIAL MERGE INTO BASE - Merge sections into P2P Base (such as problem statements) and convert remainder into BCP or Informational RFC
 4. SPLIT OUT REQUIREMENTS - Split the Security Requirements section out to perhaps be incorporated into a larger P2PSIP requirements document and convert remainder into BCP or Informational RFC

Open Issue #2

- Depending upon outcome of Open Issue #1, should this document be added as a Working Group item?

Thank you

- (And please do send your comments on the draft)