Interface to Network Security Functions (I2NSF)

IETF 104, Tues March 26, 13:50-15:50 PM

Chairs:

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Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
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Administrivia

- Charter:

  http://datatracker.ietf.org/wg/i2nsf/charter/

- Mailing List:

  https://www.ietf.org/mailman/listinfo/i2nsf

- Minutes Taker:

- Jabber Scribe:

- Blue Sheets
  - Please fill them in and circulate
  - They are now scanned and published online

Reminders

- Agenda:
  https://datatracker.ietf.org/meeting/104/materials/agenda-103-i2nsf-01

- Minutes Takers (Etherpad):
  https://etherpad.ietf.org/p/notes-ietf-104-i2nsf?useMonospaceFont=true

- Jabber room
  – i2nsf@jabber.ietf.org

- Wiki and issue tracker
  – https://tools.ietf.org/wg/i2nsf/

- State your name clearly and slowly at the mic

Milestones

- Completed the WGLC for draft-ietf-i2nsf-applicability-07
- Newly adopted WG draft: draft-ietf-i2nsf-nsf-monitoring-data-model-00
- Received extensive review and great progress on https://datatracker.ietf.org/doc/draft-ietf-i2nsf-sdn-ipsec-flow-protection/
- Decision point if following is ready for WGLC?
    - https://datatracker.ietf.org/doc/draft-ietf-i2nsf-sdn-ipsec-flow-protection/??
    - https://datatracker.ietf.org/doc/draft-ietf-i2nsf-capability/ ??
    - https://datatracker.ietf.org/doc/draft-ietf-i2nsf-nsf-facing-interface-dm/??
    - https://datatracker.ietf.org/doc/draft-ietf-i2nsf-capability-data-model/ ??
    - https://datatracker.ietf.org/doc/draft-ietf-i2nsf-consumer-facing-interface-dm/??
    - draft-ietf-i2nsf-client-facing-interface-req??

- Stay current as WG document until WG finishes its milestone
    - draft-ietf-i2nsf-terminology
    - draft-ietf-i2nsf-gap-analysis
- Milestone adjustment:

May 2019	Working group re-charter or close
April 2019	Data Models ~~and Applicability Statements~~ to IESG for publication
Dec 2018	All early drafts to IESG for publication (if WG decided to proceed): ~~use cases, problem statement, and gap analysis document; framework document~~; information model requirements for extensions to protocols document; examination of existing secure communication mechanisms document
Done	Publication: use cases, problem statement, and gap analysis document; framework document; Applicability Statements to IESG for publication
March 2019	Adopt IANA registry consideration as WG document if deemed necessary

Agenda

- Agenda bashing, blue sheets, and Note Well, Document status (10 min)
- I2NSF Hackathon Project (5 minutes) - : Jaehoon Paul Jeong
    Github Link: https://github.com/kimjinyong/i2nsf-framework

- IPsec Flow Protection (15 min): Gabriel López
    Discussion on major changes of the document. Making it ready for WG adoption
    have defined three parts: ietf-ipsec-common (Appendix A), ietf-ipsec-ike (Appendix B, IKE case), ietf-ipsec-ikeless (Appendix C, IKE-less case). The model ietf-ipsec-common has only typedef and groupings common to the other modules.

- I2NSF Applicability: Jaehoon Paul Jeong (5 min)
    - Update from AD Eric Rescorla's Comments
    https://tools.ietf.org/html/draft-ietf-i2nsf-applicability-09
- I2NSF YANG Data Models: Jaehoon Paul Jeong (15 min)
    - NSF Capability
    https://tools.ietf.org/html/draft-ietf-i2nsf-capability-data-model-03
    - Consumer-Facing Interface
    https://tools.ietf.org/html/draft-ietf-i2nsf-consumer-facing-interface-dm-03
    - NSF-Facing Interface
    https://tools.ietf.org/html/draft-ietf-i2nsf-nsf-facing-interface-dm-03
    - Registration Interface
    https://tools.ietf.org/html/draft-ietf-i2nsf-registration-interface-dm-02
    - NSF Monitoring Interface
    https://tools.ietf.org/html/draft-ietf-i2nsf-nsf-monitoring-data-model-00
- 2NSF Security Policy Translation: Jinhyuk Yang (5 min)
    - Security Policy Translator as Security Controller's Core Function
    https://tools.ietf.org/html/draft-yang-i2nsf-security-policy-translation-03

- Open Mic

Information Model & Data Model

Information model:

draft-ietf-i2nsf-capability-00

Per RFC 3444:
IMs are primarily useful for designers to describe the managed environment, for operators to understand the modeled objects, and for implementors as a guide to the functionality that must be described and coded in the DMs.

Data Model:

draft-ietf-i2nsf-capability-data-model-04
Base Model (subset)

draft-ietf-i2nsf-nsf-facing-interface-dm-03

draft-ietf-i2nsf-consumer-facing-interface-dm-03

draft-ietf-i2nsf-registration-interface-dm-02

draft-ietf-i2nsf-nsf-monitoring-data-model-00

draft-xia-i2nsf-sec-object-dm-01
draft-dong-i2nsf-asf-config-01

Don't Forget the Wiki etc.

- The working group tools page has resources for you
  - https://tools.ietf.org/wg/i2nsf/
- Includes an issue tracker
- Includes a wiki
- You can (should) use these to help you with your work
  - Anyone can add anything relevant