

I2NSF

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# Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances.

**The IETF's IPR Policy** is set forth in **BCP 79**; please read it carefully.

**The brief summary:**

❖ **By participating with the IETF, you agree to follow IETF processes.**

❖ **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**

❖ **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a WG chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

# Administrative Tasks

- Blue sheets
- Two note takers
- Jabber scribe

# Agenda

- Admin - Note Well, Blue Sheets, Notes takers
- Introduction of I2NSF BOF (Chairs, 10 min)
- Merged Use cases (10 min)
- Problem space (10 min)
- Gap analysis (Sue Harris, 10 min)
- Potential solutions
  - Framework For Interfaces To NSFs <https://datatracker.ietf.org/doc/draft-merged-i2nsf-framework/> (10 min)
  - Capability interface Information model <https://datatracker.ietf.org/doc/draft-xia-i2nsf-capability-interface-im/> (10 min)
- Charter Bashing: <http://www.ietf.org/mail-archive/web/i2nsf/current/msg00458.html> (Chairs, 30 min)
- Hard Questions (Chairs, 30 min)

# Description

- The primary goal of I2NSF is to define an information model, a set of software interfaces and data models for controlling and monitoring aspects of physical and virtual NSFs. Other aspects of NSFs, such as device or network provisioning and configuration, are out of scope. Controlling and monitoring of NSFs should include the ability to specify, query, monitor, and control the NSFs by one or more management entities. Since different security vendors support different features and functions on their devices, I2NSF will focus on flow-based NSFs that provide treatment to packets/flows, such as IPS/IDS, Web filtering, flow filtering, deep packet inspection, or pattern matching and remediation.
- There are two layers of interfaces envisioned in the I2NSF approach:
  - The I2NSF Capability Layer specifies how to control and monitor NSFs at a functional implementation level. That is, I2NSF will standardize a set of interfaces by which control and management of NSFs may be invoked, operated, and monitored. (I2NSF will not work on any other aspects of NSFs. Nor will I2NSF at this stage specify how to derive control and monitoring capabilities from higher level security policies for the Capability Layer.)
  - The I2NSF Service Layer defines how clients' security policies may be expressed and monitored. The Service Layer is out of scope for this phase of I2NSF's work. However, I2NSF will provide a forum for Informational drafts on data models, APIs, etc. that demonstrate how service layer policies may be translated to Capability Layer functions.
- The concrete work at the I2NSF Capability Layer
- It's a WG-forming BOF. It's a second BOF.

# Questions

- Does the community think that the problem statement is clear, well-scoped, solvable, and useful to solve?
- Is there support to form a WG with the charter presented at the BOF (with edits)?
- Who would be willing to serve as an editor for the documents referred in the draft charter?
- Can we see a show of hands of folk willing to review documents (or comment on the mailing list)?
- Who is interested in deploying or implementing i2nsf?