

Interface to Network Service Functions (I2NSF) Working Group

IETF-101, London

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Wed March 21, 2018

9:30 - 11:30 (two hours)

Room: Palace C

Chairs:

Linda Dunbar linda.dunbar@huawei.com

Yoav Nir ynir.ietf@gmail.com

AD:

Eric Rescorla ekr@rtfm.com

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09:30-09:40 - Agenda bashing, blue sheets, and Note Well

Document status

chair: rfc8329 published. Congratulations to the WG and the authors.

Relationship among major drafts:

Frank: There are some minor changes to the

Linda: This is so far what we see.

Frank: I think we still miss the monitoring model. For information model, capability is the basis model for other interface IMs, we need to align these IMs.

Diego: The capability model should be close to ready soon. suggest to keep the capability model as the core for the other IM/DM design, and prefer to combine the IM contents into the DM drafts as the appendix.

Paul: The information model is useful for people to understand. The consistency between IMs and DMs can be collaborated.

09:40-09:45 Report of IETF-101 Hackathon I2NSF project (5 min): Jaehoon Paul Jeong

Done by 7 graduate students

NSF facing interface

Linda: It demonstrates that the defined data model is useful.

09:45—9:50 I2NSF Applicability WG document, updates and next steps: Jaehoon Paul Jeong

<https://datatracker.ietf.org/doc/draft-ietf-i2nsf-applicability/>

Describe how to deploy the I2NSF policies

Diego: should we combine Applicability with SFC steering and NFV cases, is it necessary?

Paul: I2NSF triggered traffic steering might need another year to implement,

Diego: Before publishing, I would like to see it is converged with others.

Linda: good suggestion.

09:45-11:00 – Data Model & Information Models discussion

I2NSF Capability information model draft – Frank Xia

Capability model is the base model, you guys can proceed it soon.

Paul: still missing content security. STIX, take advantage of

Frank: we will consider. The content security is more complicate than network layer. The current plan is to put it in other document.

Linda: It's good idea to separate things that are controversial.

Diego: authentication security category might not be in the capability

Frank: we can't include every security, authentication is an example

Diego: the goal of capability is

Linda: Software Defined Security Service WG. The enterprise use case. Three categories: Functions implement security policy. Hypervisor. ?

The attestation part

I2NSF Capability YANG Data Model (10 min) - Presenter: Jinyong Tim Kim

Frank: do you should it be implemented in customer facing interface or NSF facing interface

Paul: Currently is used for register interface: including query the capability of system, life cycle mgnt. But Diego said that the Life cycle mgnt is part of MANO

Frank: But you also have a registration DM

Paul: This DM just specifies what capabilities

Frank: I am not sure whether those work is in the scope of I2NSF.

Paul:

Frank: We need more discussion about it. I am not quite clear about the relationship of the two drafts.

Diego: Time zone

Paul: in the past Hackathon,

Paul: the Time Zone might be "integer" instead of "boolean".

Michael (Huawei): Time Zone should be "read only", not RW

Michael: What kind of capability need to be configuration?

Paul: we try to provide more operations in the next version

draft-ietf-i2nsf-nsf-facing-interface-dm-00-

Paul: John gave very constructive comments, we will address his comments in next version

Linda: Can you provide an example of what is an OO data model?

draft-hares-i2nsf-capability-data-model-06

Frank: how to align with the capability draft

Paul: we will make another revision to align better.

Consumer facing interface Data model:

draft-ietf-i2nsf-consumer-facing-interface-dm-00

Michael: Ask the topology

Frank: We assume already have the network topology

Consumer facing interface information model - presenter: Jaehoon Paul Jeong

draft-kumar-i2nsf-client-facing-interface-im-05

Michael: might need to expose topology

Frank: we shouldn't care network topology, how we express the policy to individual FW instances

Frank: Just reference STIX, do not specify it, it will take a long time to do this

11:00-11:10: YANG Data Model for Monitoring I2NSF Network Security Functions (10 min): Presenter: Jaehoon Paul Jeong

draft-hong-i2nsf-nsf-monitoring-data-model-02 Presenter: Henk

Frank: we defined many notification, can both support periodic push or on-change push

Henk: Yes.

Eric: subscribe to datastore, subscribe to stream.

Frank: Do you think "bundling" is useful?

Eric: Yes, "bundling" is supported.

Eric: the early drafts adopted do have "bundled", but many people think it is overkill, now we are re-thinking it.

Henk: events are correlate with time, the Log is simply storing

11:10-11:20: I2NSF Registration Interface Information Model and YANG Data Model (10 min): - Presenter: Jaehoon Paul Jeong

- draft-hyun-i2nsf-registration-interface-im-04

- draft-hyun-i2nsf-registration-interface-dm-03

Diego: suggest not to mix with MANO to avoid confusion.

Pedro: If you plan to do the MANO hackathon, I will be interested (email: paranda@it.uc3m.es)

11:20 – 11:30: Service Function Chaining-Enabled I2NSF Architecture (10 min) - Presenter: Jaehoon Paul Jeong

- draft-hyun-i2nsf-nsf-triggered-steering-05

Yang Bo (China Mobile): will define SFC interface between the security controller and the SDN controller, is it the only interface

Paul:

11:30 – 11:50: Remote attestation in NFV scenario & Attestation matters in I2NSF [20 min] –

draft-rein-remote-attestation-nfv-use-cases – Presenter: Frank Xia

Paul: clarify monitoring and attestation

Frank: They are different. The attestation is about the integrity, e.g. software integrity.

draft-pastor-i2nsf-nsf-remote-attestation

draft-birkholz-i2nsf-tuda

Paul: Attestation is more about intelligence. Wonder if vendors can open some implementation

Diego: There are open standards.

Linda: Is the attestation offline?

Henk: attestation, the requirement of freshness. TCG (Trusted Computing Group) also works on RA, but not work on all the components of protocol. The terminology aligns with TCG.

Diego: Build general model, then how to apply it to I2NSF

Yoav: What's the plan of the terminology draft, it seems not for I2NSF

Henk: The drafts are not specific for I2NSF. I2NSF is the place interested in it. You are right. The terminology is not for I2NSF.

Yoav: suggest to go to secdispatch WG

General discussion: Diego Lopez