

An aerial photograph of the Chicago skyline and Lake Michigan. In the foreground, several modern high-rise buildings with glass facades are visible. In the background, the city extends to the water's edge, featuring a large Ferris wheel (the Chicago Wheel) and a cluster of buildings near the lakefront. The sky is clear and blue.

SUPA Working Group

IETF 98th

Online Agenda and Slides at:

www.ietf.org/proceedings/98/agenda/agenda-98-supa

Data tracker: <http://datatracker.ietf.org/wg/supa>

Tools page: <http://tools.ietf.org/wg/supa>

IETF 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 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)

Also see: <http://www.ietf.org/about/note-well.html>:

Agenda

1. Note Well, Agenda review, Scribes (2 Min)
2. SUPA - State of the Nation (10 Min)
 - What is the current status?
 - What worked well?
 - What is not working?
3. Current Working Group Documents (30 Min)
 - 2.1 Changes to the Generic Policy Information Model and Data Model
 - 2.2 Review of the SUPA Use Case Example
 - 2.3 SUPA Policy-based Management Framework
 - 2.4 SUPA Applicability Statement
4. Open Discussion on SUPA (30 Min)
 - Should SUPA continue or close down?
5. Any Other Business

1. Administrative

- Audio Streaming/Recording
 - Please speak only using the microphones
 - Please state your name before speaking
- Scribes
 - Minute Takers & Etherpad
 - Jabber

2. SUPA State of the Nation

Goals of SUPA from Charter <https://datatracker.ietf.org/wg/supa/charter/>

“SUPA defines base YANG data models to encode policy, which will point to device-, technology-, and service-specific YANG models developed in other working groups.”

“SUPA focuses on a single management domain, and is designed to work with device, protocol, network, and service data models.”

“The working group will have succeeded when the SUPA policy constructs are re-used in future IETF specifications (and ideally specifications from other SDOs)”

Milestones

Date	↕ Milestone
Aug 2016	Re-charter or close
Aug 2016	Submit the applicability document (Informational)
Jun 2016	Submit the set of YANG data models (Standards Track)
Apr 2016	Submit the generic information model (Informational)
Apr 2016	Submit the policy-based management framework (Informational)

2. Measuring SUPA Success

Simplified Use of Policy Abstractions (supa)

About	Documents	Meetings	History	Photos	Email expansions	List archive	Tools »
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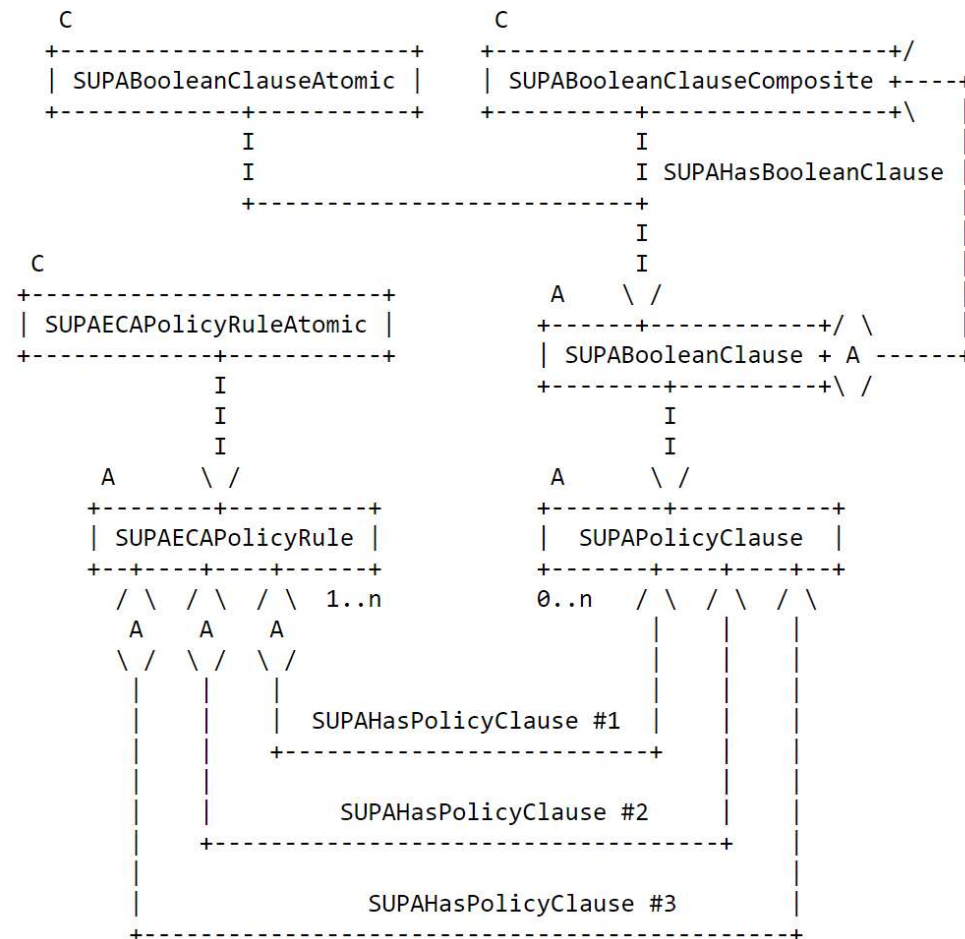
Document	↕ Date	↕ Status
Active Internet-Drafts		
i draft-ietf-supa-generic-policy-data-model-02 Generic Policy Data Model for Simplified Use of Policy Abstractions (SUPA)	2016-10-13 63 pages	 I-D Exists WG Document
i draft-ietf-supa-generic-policy-info-model-02 Generic Policy Information Model for Simplified Use of Policy Abstractions (SUPA)	2017-01-18 121 pages	I-D Exists WG Document
i draft-ietf-supa-policy-based-management-framework-01 SUPA Policy-based Management Framework	2017-03-13 15 pages	I-D Exists WG Document: Informational

Document	↕ Date	↕ Status	↕ IPR
Related Internet-Draft			
i draft-cheng-supa-applicability-01 Applicability of SUPA	2017-03-13 18 pages	I-D Exists	

2. Measuring SUPA Success

“[Supa] We need some good examples of what SUPA can do !”

- **Creating a SUPA Policy ECA Rule - Blocking SNMP Traffic** This example will illustrate how to use the SUPA information model to block inbound and outbound SNMP traffic.



2. Measuring SUPA Success

What is not working?

“SUPA policy constructs are re-used in future IETF specifications (and ideally specifications from other SDOs)”

- Current import of the SUPA model across IETF YANG documents is 0

Working Group participation is limited

- Lack of Working Group reviews for the SUPA IM and DM
- Review of SUPA ECA Policy Rule Example was minimal
- Infrequent update of documents
- Currently only two vendors implementing

2. Measuring SUPA Success

What is not working?

“SUPA policy constructs are re-used in future IETF specifications (and ideally specifications from other SDOs)”

- Current import of the SUPA model across IETF YANG documents is 0

YANG Impact Graph for Module(s): ietf-supa-policy

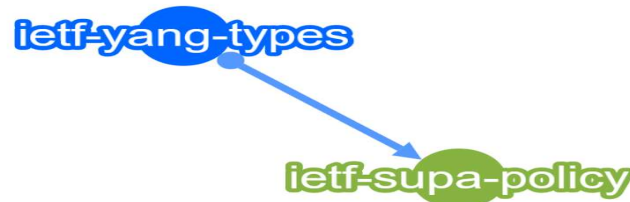
Graph Options

Legend
■ Status: IETF:RFC
■ Status: IETF:WG DRAFT

Modules:

Orgs:

Recursion Levels: **Include Standards?** ☒



2. Measuring SUPA Success

SUPA Survey - <https://www.surveymonkey.com/r/8TNML57>

- Sent to authors of all yang-module drafts, not just those with an obvious interest in policy!

2. Measuring SUPA Success

SUPA Survey - <https://www.surveymonkey.com/r/8TNML57>

1. Are you an author of a YANG Model that requires Policy?

Answer Choices	Responses
▼ No	25.00%
▼ Yes, here is my YANG I-D name or URL Responses	75.00%
Total	

2. Are you aware of the Simplified Use of Policy Abstractions (SUPA) Working Group?

Answer Choices	Responses
▼ Yes	100.00%
▼ No	0.00%
Total	

3. Did you read the model I-Ds?

Answer Choices	Responses
▼ Yes	75.00%
▼ No	0.00%
▼ Other (please specify) Responses	25.00%

2. Measuring SUPA Success

SUPA Survey - <https://www.surveymonkey.com/r/8TNML57>

4. If you read the SUPA Data Model, but decided not to augment your model with SUPA for Policy, why?

Answer Choices	Responses
▼ The SUPA DM proposal was too long, and/or complex	25.00%
▼ The SUPA DM proposal was not suitable for my model.	75.00%
▼ Other (please specify) Responses	0.00%
Total	

5. Do you plan to use the SUPA Policy Model? If so, please link your YANG model in the space below

Answer Choices	Responses
▼ No	75.00%
▼ Maybe, I am waiting for the SUPA model to stabilize, or be published as an RFC.	25.00%
▼ Yes, here is my YANG I-D name or URL Responses	0.00%
Total	

2. Measuring SUPA Success

SUPA Survey - <https://www.surveymonkey.com/r/8TNML57>

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Total	

2. Measuring SUPA Success

However, Survey activity did trigger further findings and investigations:

- **IETF WGs**
 - **I2NSF**
 - Will use subclass both the SUPAPolicyStructure (policy rule) and SUPAPolicyComponentStructure (objects that are aggregated by a policy rule)
 - Will also subclass metadata (capability is a subclass of metadata)
 - **SACM**
 - Currently under discussion, but similar to I2NSF: it needs policies to provide its functionality
 - **SFC**
 - Applicability to SFC is being discussed

2. Measuring SUPA Success

However, Survey activity did trigger further findings and investigations:

- **External Projects and other SDOs**
 - **H2020**
 - CogNet reuses SUPA for intelligent decision making
 - **ETSI ISG ENI**
 - Will use all of SUPA, and add to it, to define policy-based management
 - **MEF LSO**
 - Project that uses SUPA, and adds to SUPA, to define policies for use in orchestration

What to do next for SUPA will be discussed after the WG I-Ds, and individual I-D update

3. Current Working Group Documents

3.1 Changes to the Generic Policy Information Model and Data Model

- John Strassner

3.2 Review of the SUPA Use Case Example

- Joel Halpern

3.3 SUPA Policy-based Management Framework

- Will (Shucheng LIU)

3.4 SUPA Applicability Statement

- Ying Cheng

4. Open Discussion on SUPA

“nobody knew
~~health care~~ Policy
could be so
complicated”



The big questions:

- Five IETF's later, has the working group achieved its goals?
- How likely is it that the models will be used in the near future?
- Will we have the necessary number of participants to review WG documents in Last Call?
- Should SUPA continue or close down?