

# SUPA policy-based management framework

draft-liu-sup-policy-based-management-framework

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# Background

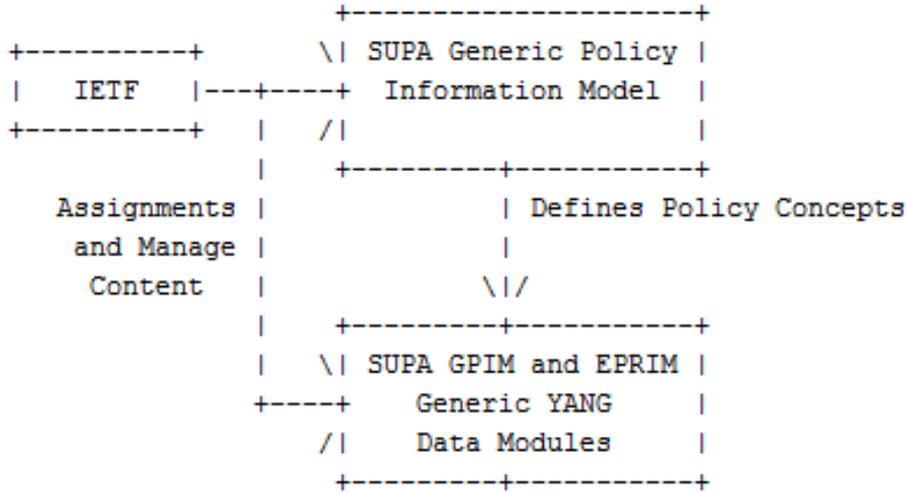
- Position

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

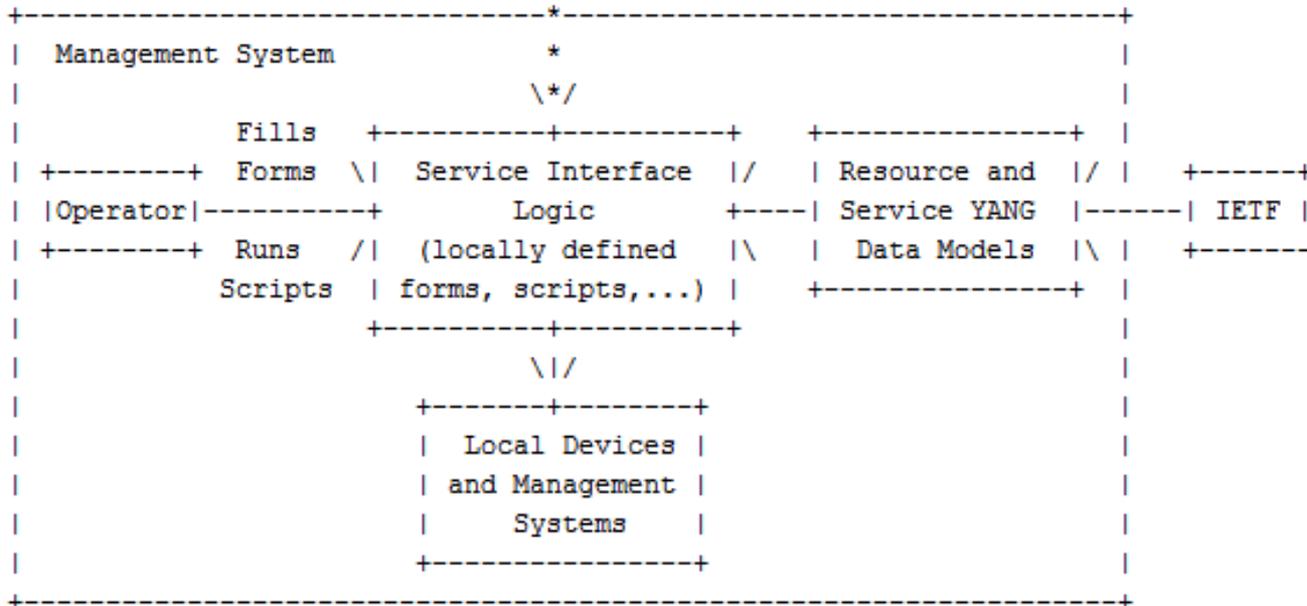
- History

- draft-zhou-supra-architecture & draft-zhou-supra-framework, 2014~2015
  - The above two were efforts before the WG created, thx for the efforts
- draft-klyus-supra-value-proposition-00, Mar 2016
  - Contained a brief section discussing about framework
- draft-liu-supra-policy-based-management-framework-00 , Apr 2016
  - Replaced first two
  - Taken out of value-proposition and added detailed content to make a new standalone one
  - Modified according to charter and discussion
- 01, Jul 2016
  - Dr. Xie joined us
  - A figure explaining the relationship among policy – service – resource added
  - Typos fixed

# How SUPA is used



\* Possible Approach



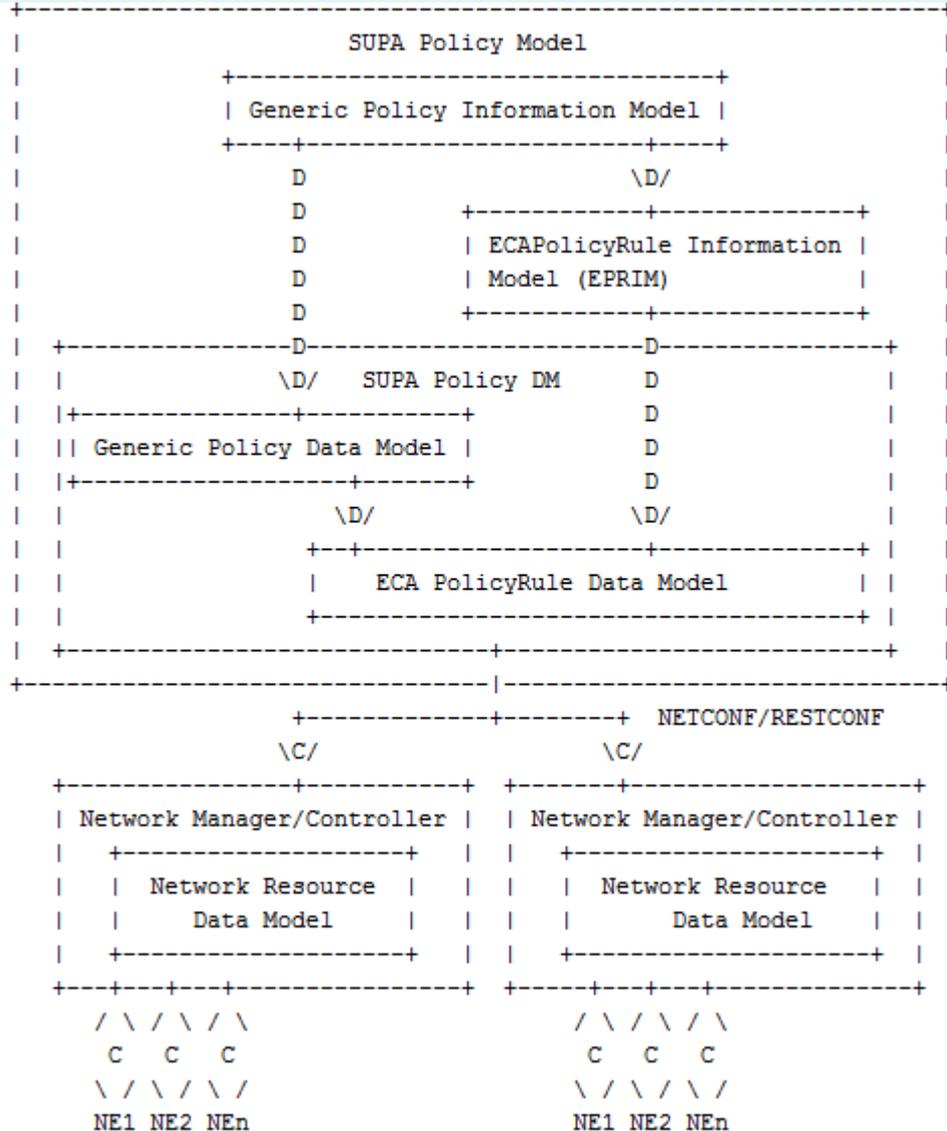
GPIM, as well as the combination of the GPIM and EPRIM, are converted to generic YANG data modules.

SUPA Generic & ECA Policy YANG Data modules together with the Resource and Service YANG data models are used by the Service Interface Logic.

Service Interface Logic creates appropriate input mechanisms for the operator to define policies for creating and managing the network configuration.

Operator interacts with the interface, which is then translated to configuration snippets.

# SUPA Policy Model creating and distributing

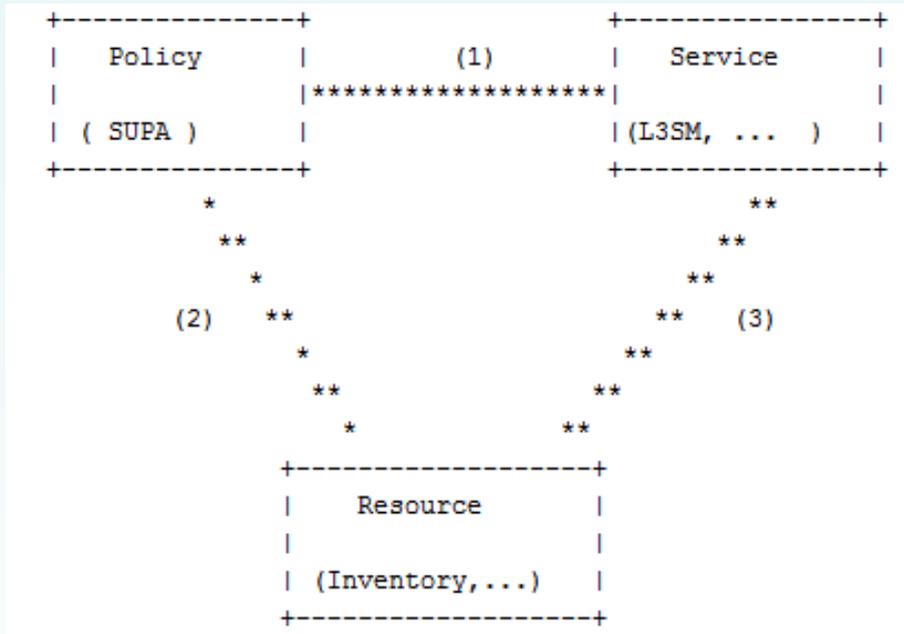


GPIM defines generic policy concepts, as well as EPRIM

A set of Generic Policy Data Models and ECA Policy Rule Data Models are then created from the GPIM and EPRIM.

These YANG data model policies are distributed by Network Manager/Controller to control the configuration of network elements.

# Relationship among Policy-Service-Resource



- (1) policy manages and can adjust service behavior as necessary
- (2) policy manages and can adjust service behavior as necessary
- (3) resource hosts service; changing resources may change service behavior as necessary

# Comments received

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- Thanks to many reviewers, comments received on the following aspects
  - Explanation of figure of relationship among Policy-Service-Resource
  - Whether framework should/could at least list/show how declarative policy which is still out of scope now
  - Explanation on the process of developing the GPIM, EPRIM and the derived/translated YANG data models
  - Update references
  - Polishing figures

# Adopted as WG draft?

## Questions?



Google Images “SUPA “