

Yang Data Model for Value Added Service (VAS)

draft-gu-l3sm-vas-service-model-00

Co-author:

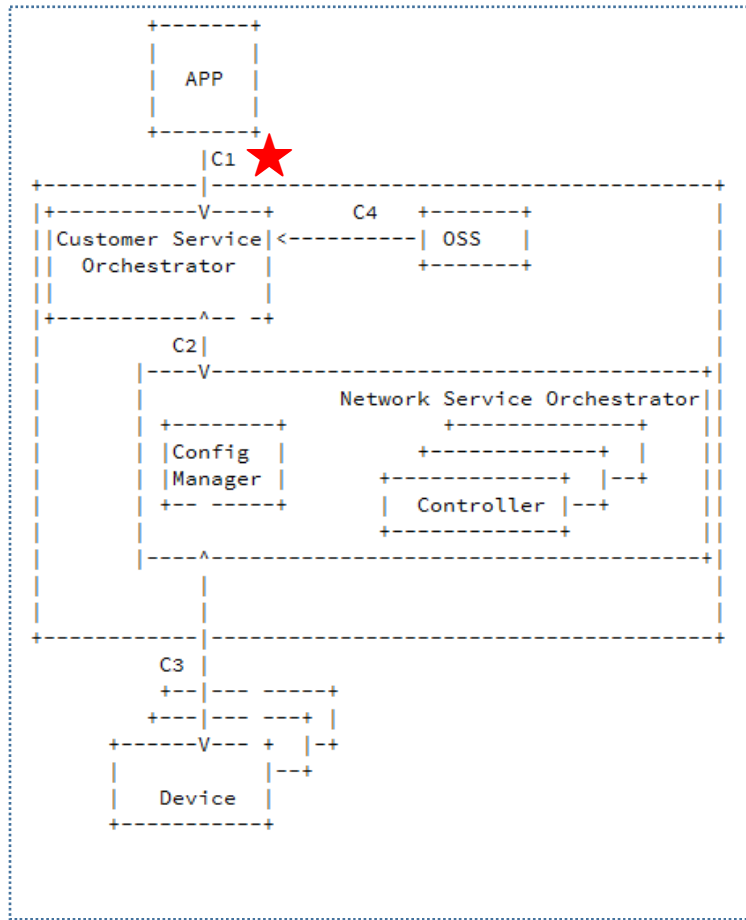
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Service Model Usage



- Why do we want a service model?
 - ✓ **Shield differences** among network segments, as well as specific protocol configurations.
 - ✓ Provide service users a **more abstract way** to express their requirements, while leaving the detailed configuration and management onto networks.
- How to use a service model?
 - ✓ A service model from customer applications is **mapped into specific data models**, which are further deployed onto network elements and be used for protocol configurations over the network infrastructure.
 - ✓ The mapping process and network architecture of the service model usage on the left is discussed in [draft-wang-l3sm-service-automation-architecture].

Figure from draft-wang-l3sm-service-automation-architecture-01

VAS Service Model Usage

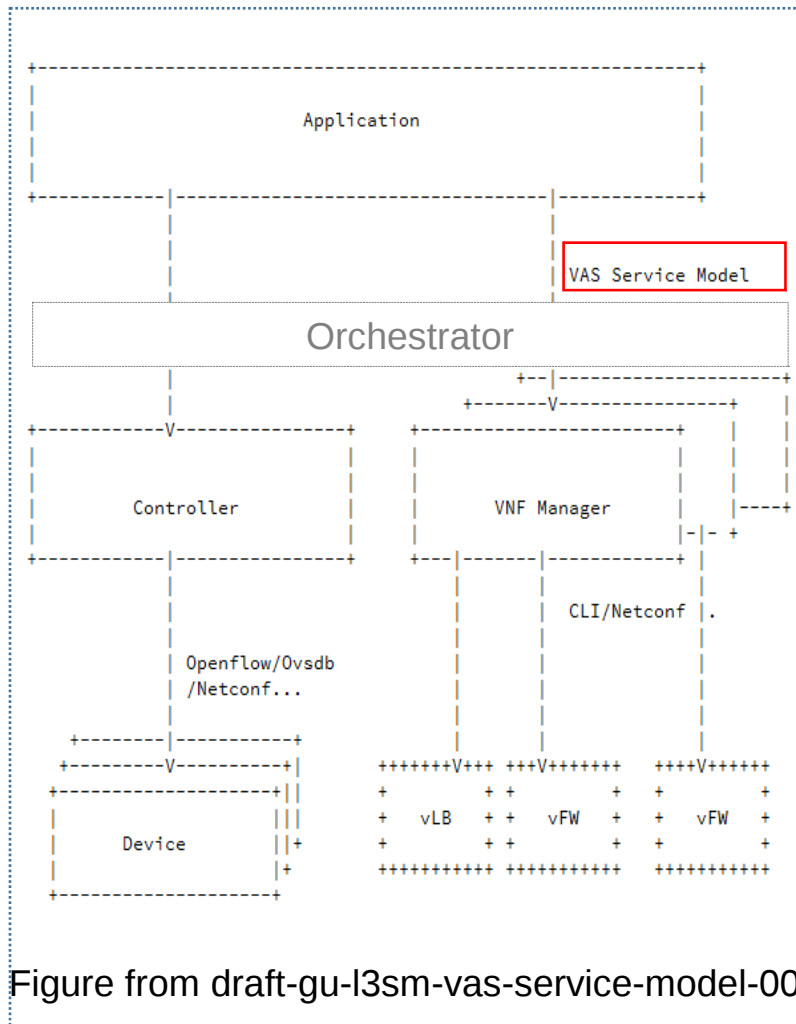


Figure from draft-gu-l3sm-vas-service-model-00

- What is VAS for?

- A Value Added Service (VAS) can be created and managed by operators to configure and manage L3VPN networks and other Cloud VPN networks for customers.

- What is the VAS service model for?

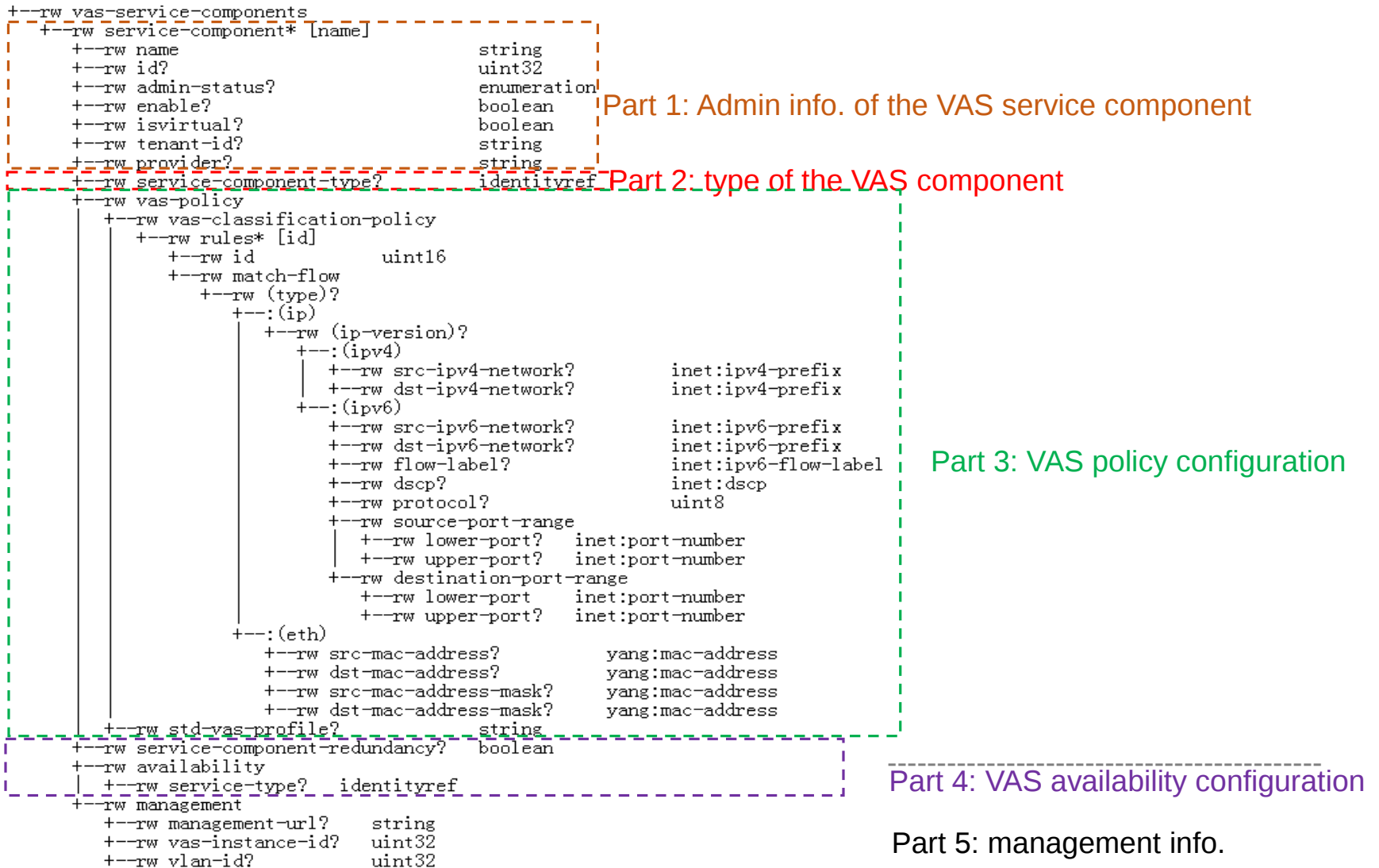
- Provide a **common structure** to configure and operate VAS service components.
- Can be applied to L3VPN network in **conjunction with L3VPN service model** defined in [draft-ietf-l3sm-l3vpn-service-model].

- How to use the VAS model?

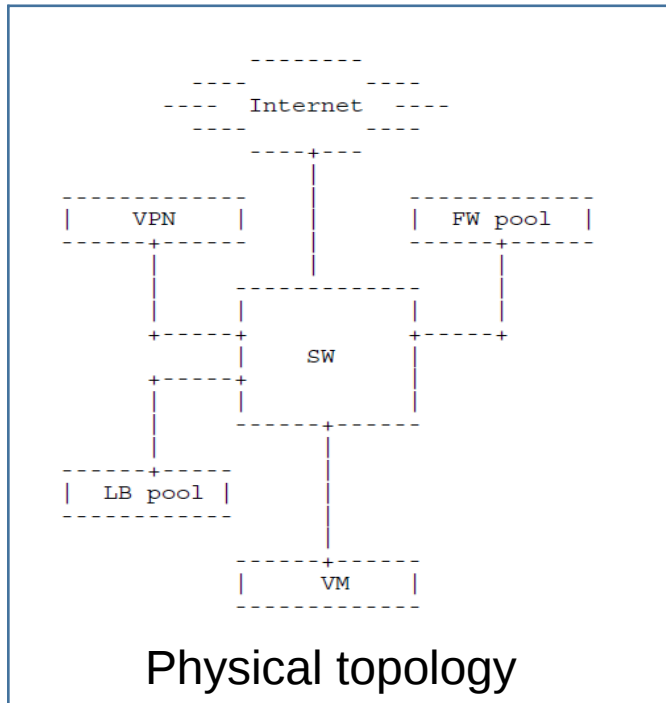
- **Customers** specify requested value added service for their networks from application layer.
- The specified VAS service model is **distributed to orchestrator** to create, configure and manage the requested functions on involved network elements.

Design of the Data Model (1)

The YANG module defines the vas service components to configure and manage virtual function.



Trial : Service model in cloud datacenter

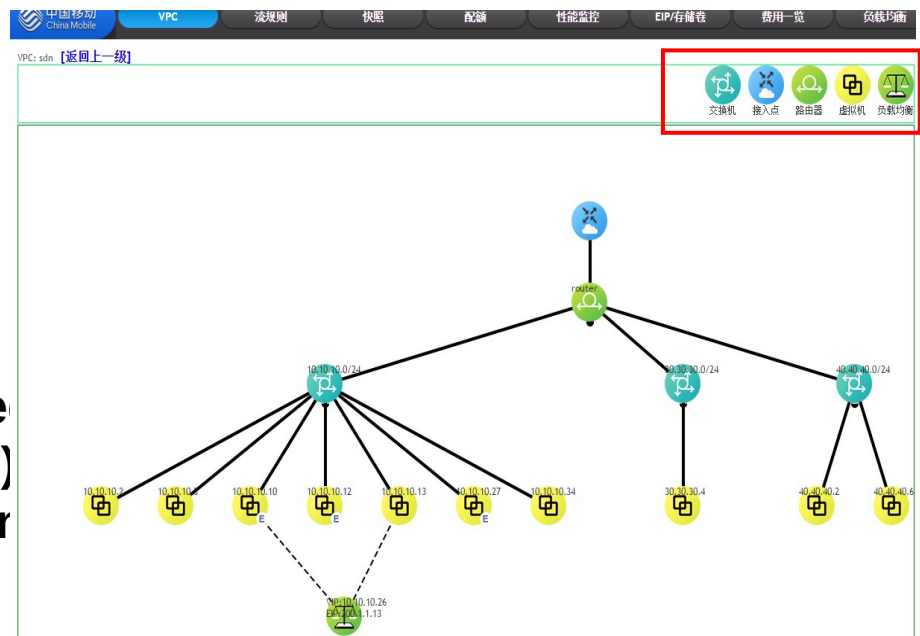


- Service A: FW or LB only (**realize**)
- Service B: FW and LB (**on doing**)
- Service C: VPN, FW and LB (**plar**)
- Service D: VPN and FW (**plan**)
- Service E: VPN and LB (**plan**)

<http://datatracker.ietf.org/doc/draft-gu-sfc-usecase-and-hierarchical-models/>

Step1:
Service A realized

Step2:
Standard service function chain of Service B to Service E



Questions

- Is the VAS service model a direction to go?
- Would you like to participate and contribute to this work?
- How can the VAS service model work with other VPN service models, such as the L3 VPN service model?

Next Step...

this banana wants you
to be happy.



look, it is even smiling at you.

Solicit comments and suggestions...

MANY THANKS

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China Mobile

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Huawei