

## **SUPA: Shared Unified Policy Automation**

**LUIS MIGUEL CONTRERAS MURILLO, Telefonica**

**Ying Cheng, China Unicom**

**Weiqiang Cheng, China Mobile**











**Chongfeng Xie, China Telecom**



**Jun Bi, Cernet**

**Eric Voit, Cisco**

**Tina Tsou, Huawei**

# Why – Luis from Telefonica

From:  Supa [supa-bounces@ietf.org] on behalf of  LUIS MIGUEL CONTRERAS MURILLO [luismiguel.contrerasmurillo@telefonica.com] Sent: Thu 11/13/2014 1:48 PM  
To:  Tina TSOU;  supa@ietf.org  
Cc:  chengying10@chinaunicom.cn;  xiechf;  aashaikh@google.com;  sunqiong;  rob.shakir@bt.com;  'Hui Deng'  
Subject: Re: [Supa] Network Topology Data Model and Network Configuration Data Model

 Message |  ATT00001.txt (357 B)

Hi all,














As a general consideration there is a need to develop models to help the operators to perform actions in the network in a uniform manner without dealing with the specific details of the technology implementations. The most clear action is the creation of services. To reach that goal topology abstractions are needed, able to cover network areas end-to-end (from access to interconnection), in a comprehensive way.

So, from that point of view, I support the work of this group.

Regards

Luis

# Why – Diego from Telefonica


From:  DIEGO LOPEZ GARCIA [diego.r.lopez@telefonica.com] Sent: Thu 11/13/2014 10:41  
To:  Ariel Gu  
Cc:  Tina TSOU;  Voit Eric;  Parviz Yegani;  JF Tremblay;  DIEGO LOPEZ GARCIA;  dapeng liu;  Wunan (Eric);  LUIS MIGUEL CONTRERAS MURILLO;  chen li;  Stephanie;  
 Fan, Peng  
Subject: Re: Whiteboard 11:30am today, South Pacific 4- sorry for can not attending the whiteboard

Hi,



I have another lunch appointment, but just to let you know I believe SUPA can be an extremely interesting approach for interfacing OSS to NFV MANO components and VNFs themselves...

Be goode,

# Why – Chongfeng from China Telecom

From:  Chongfeng Xie [xiechf@ctbri.com.cn]

Sent: Tue 11/11/2014 10:19

To:  Tina TSOU;  supa@ietf.org

Cc:

Subject: Re: Network Topology Data Model and Network Configuration Data Model


Dear all,

I think network topology abstraction and the related work being done in SUPA will be very valuable for operators, especially to lower the threshold and increase the speed of service creation, so I support of this working group. Thanks



---

Chongfeng Xie

# Why – Weiqiang from China Mobile

From:  程伟强 [chengweiqiang@chinamobile.com]

Sent: Wed 11/12/2014 2:14

To:  Tina TSOU;  Supa@ietf.org

Cc:

Subject: Re: [Supa] Network Topology Data Model and Network Configuration Data Model

Hi Tina,

I had a quick review of the drafts.

I think it is useful and it is necessary to develop the topology model here.

B.R.

Weiqiang Cheng

# Why – Ying from China Unicom



From: Supa [supa-bounces@ietf.org] on behalf of Ying Cheng [chengying10@chinaunicom.cn]

Sent: Tue 11/11/2014 10:43

To: supa

Cc:

Subject: [Supa] \*\*\*SPAM\*\*\* 7.912 (5) DDC use case slides

Message  draft-cheng-supa-ddc-use-cases-01.pptx (145 KB)  ATT00001.txt (357 B)

Hi all,

I am very glad to attend Bar BoF of SUPA yesterday remotely. It is very effective that we have exchanged the points on this area and make our further work more clear and concentrated. Attached please kindly find the slides prepared for the Bar BoF, which was not presented due to lack of time. As one of the authors of this use case draft, I expect more progress on SUPA, which reflect the on-going cloud based DDC and VPN related services in my company.

2014-11-12

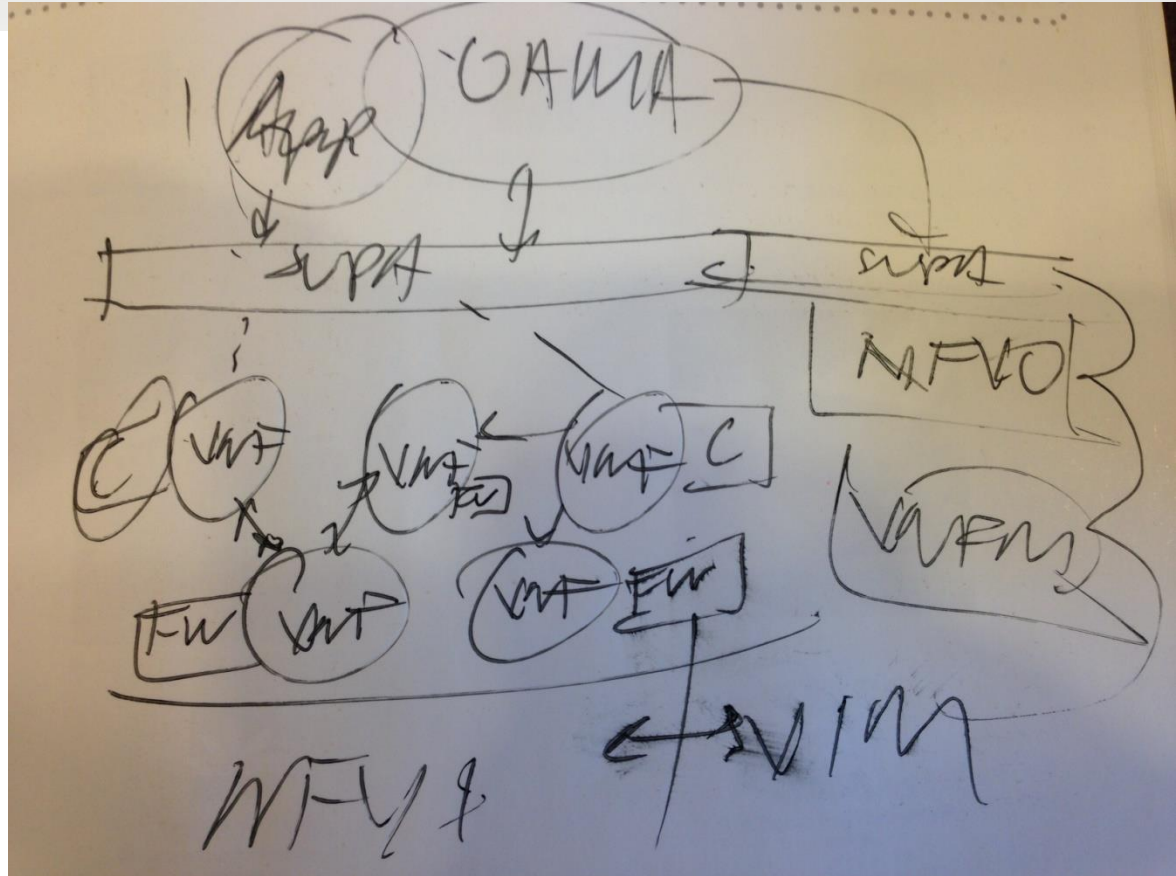
---

Ying CHENG 程莹

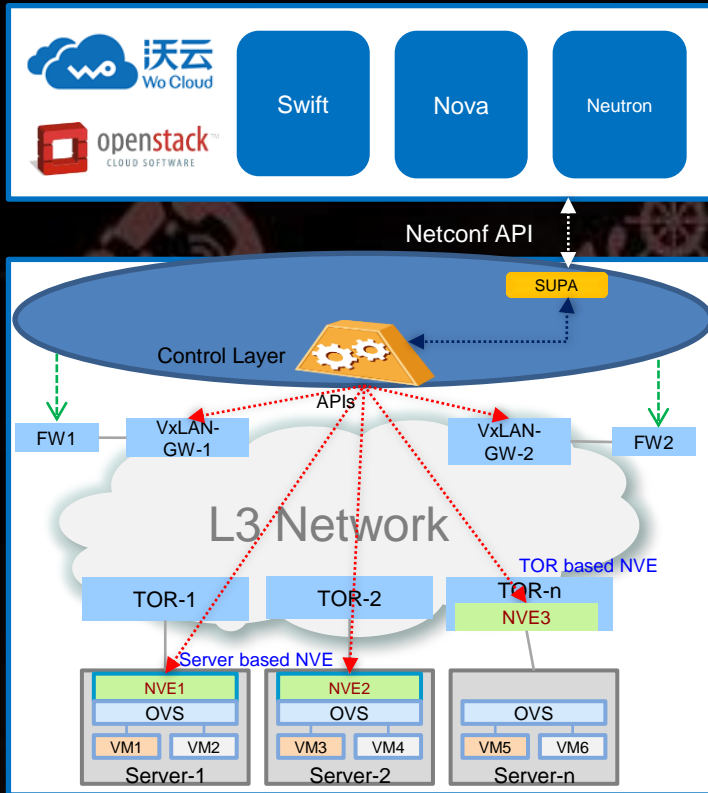
China Unicom Network Technology Research Institute 中国联通网络技术研究院



# What - SUPA positioning



# What - Deliverables



- Models to help the operators to perform actions in the network in a uniform manner without dealing with the specific details of the technology implementations

- Cloud Policer Data Model
- Topology Data Model
- Service abstraction data model

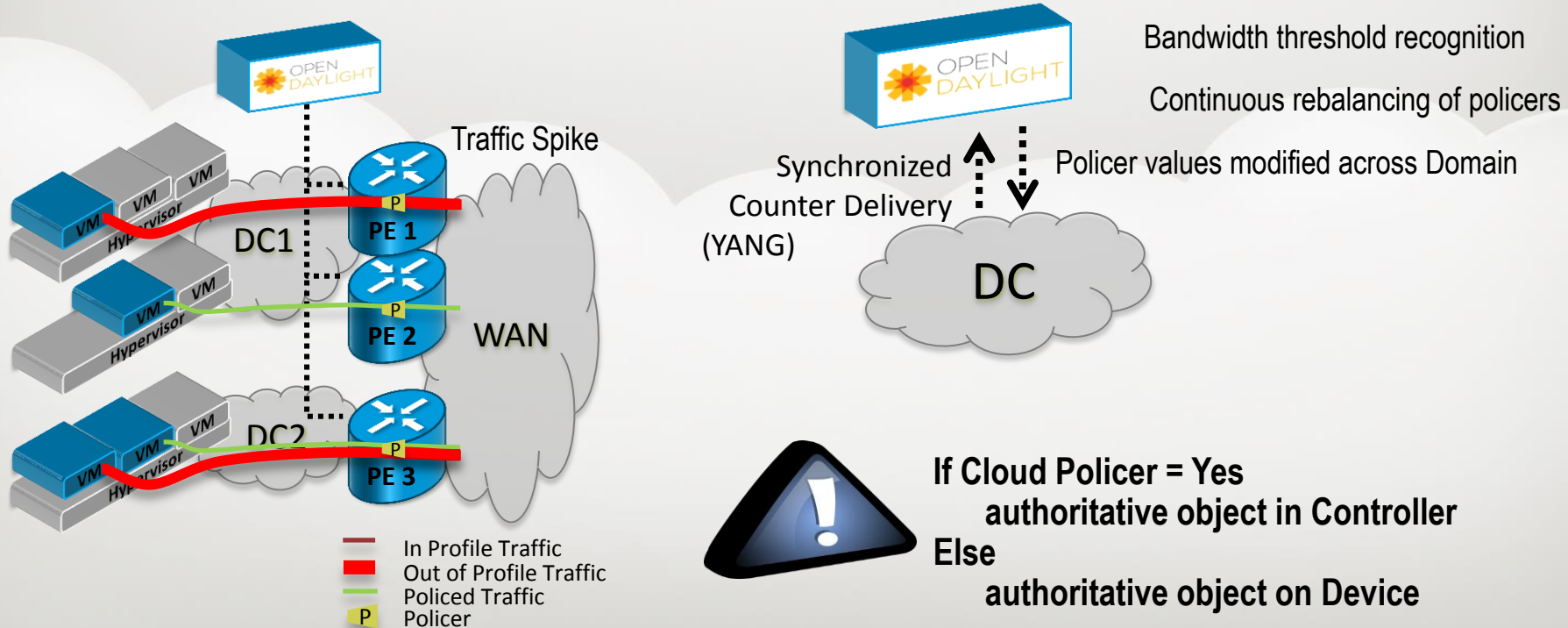
- This figure is for illustration purpose only, not a mandatory example.
- Source: China Unicom



# How - Cloud Policer Service

Source: Eric Voit, Cisco

One Network Wide Data Rate across 'n' Data Centers



# Who

## Authors

Parviz Yegani, Juniper

Eric Voit, Cisco

Andrew Qu, MediaTek

Ying Cheng, China Unicom

LUIS MIGUEL CONTRERAS MURILLO, Telefonica

Qiong Sun, China Telecom

Kostas Koustikousis, EICT

## Contributors

Chongfeng Xie, China Telecom

Weiqiang Cheng, China Mobile

Jean-Francois Tremblay, Viagenie

Tina Tsou, Huawei

## Reviewers

Diego Lopez, Telefonica

Fernando Gont, UTN/FRH

Bert Wijnen, RIPE NCC

Balazs Lengyel, Ericsson

Juergen Schoenwaelder, Jacobs University

# When

## Milestones:

=====

Mar 2015 Initial "Problem Statement" WG I-D

May 2015 Initial "L0-L7 network topology view YANG Model" WG I-D

Jul 2015 Initial "VPN service specific data model" WG I-D

Jul 2015 Initial "Inter-DC service specific data model" WG I-D

Aug 2015 Initial "Mapping Guidelines" WG I-D

Oct 2015 Initial "NE to/from Controllers information exchange" WG I-D

Sep 2015 Submit "Problem Statement" I-D to IESG

Dec 2015 Submit "L0-L7 network topology view YANG Model" I-D to IESG

Feb 2016 Submit "VPN service specific data model " I-D to IESG

Feb 2016 Submit "Inter-DC service specific data model " I-D to IESG

May 2016 Submit "Mapping Guidelines" I-D to IESG

May 2016 Submit "NE to/from Controllers information exchange" I-D to IESG

# Where

OPS Area

Responsible AD: Benoit Claise

# Thank You

[luismiguel.contrerasmurillo@telefonica.com](mailto:luismiguel.contrerasmurillo@telefonica.com)

[chengying10@chinaunicom.cn](mailto:chengying10@chinaunicom.cn)

[chengweiqiang@chinamobile.com](mailto:chengweiqiang@chinamobile.com)

[xiechf@ctbri.com.cn](mailto:xiechf@ctbri.com.cn)

[junbi@tsinghua.edu.cn](mailto:junbi@tsinghua.edu.cn)

[evoit@cisco.com](mailto:evoit@cisco.com)

[Tina.Tsou.Zouting@huawei.com](mailto:Tina.Tsou.Zouting@huawei.com)