

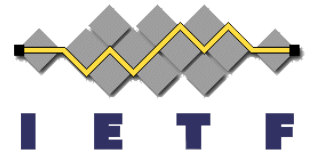
SUPA WG

IETF #94

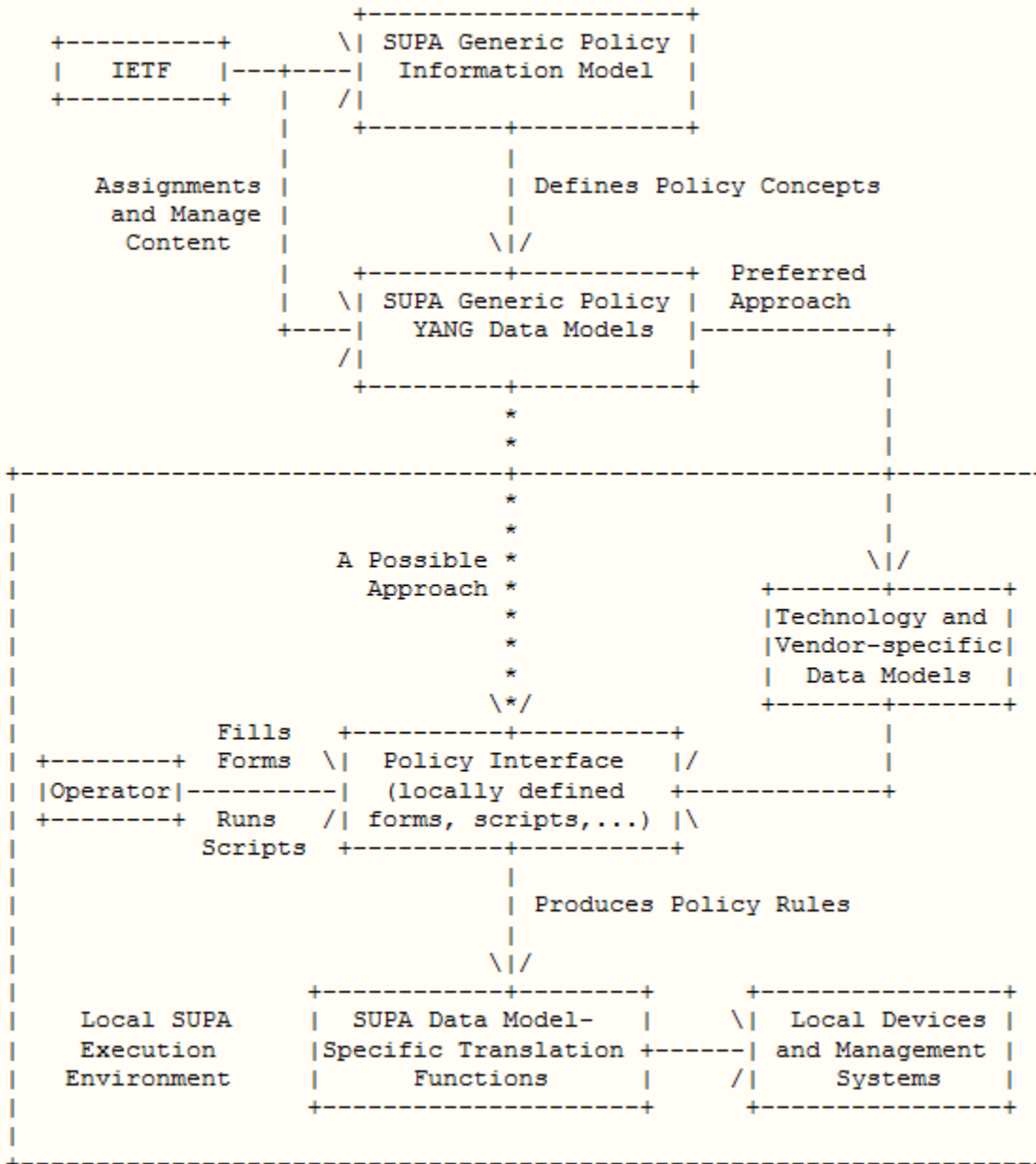
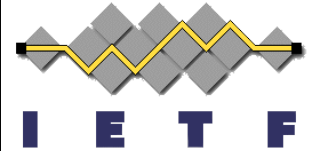
Monday, November 2nd, 2015

Yiyong Zha

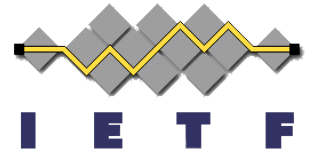
SUPA Policy Engine Demo
BNB Session, Thur 7PM



SUPA Framework



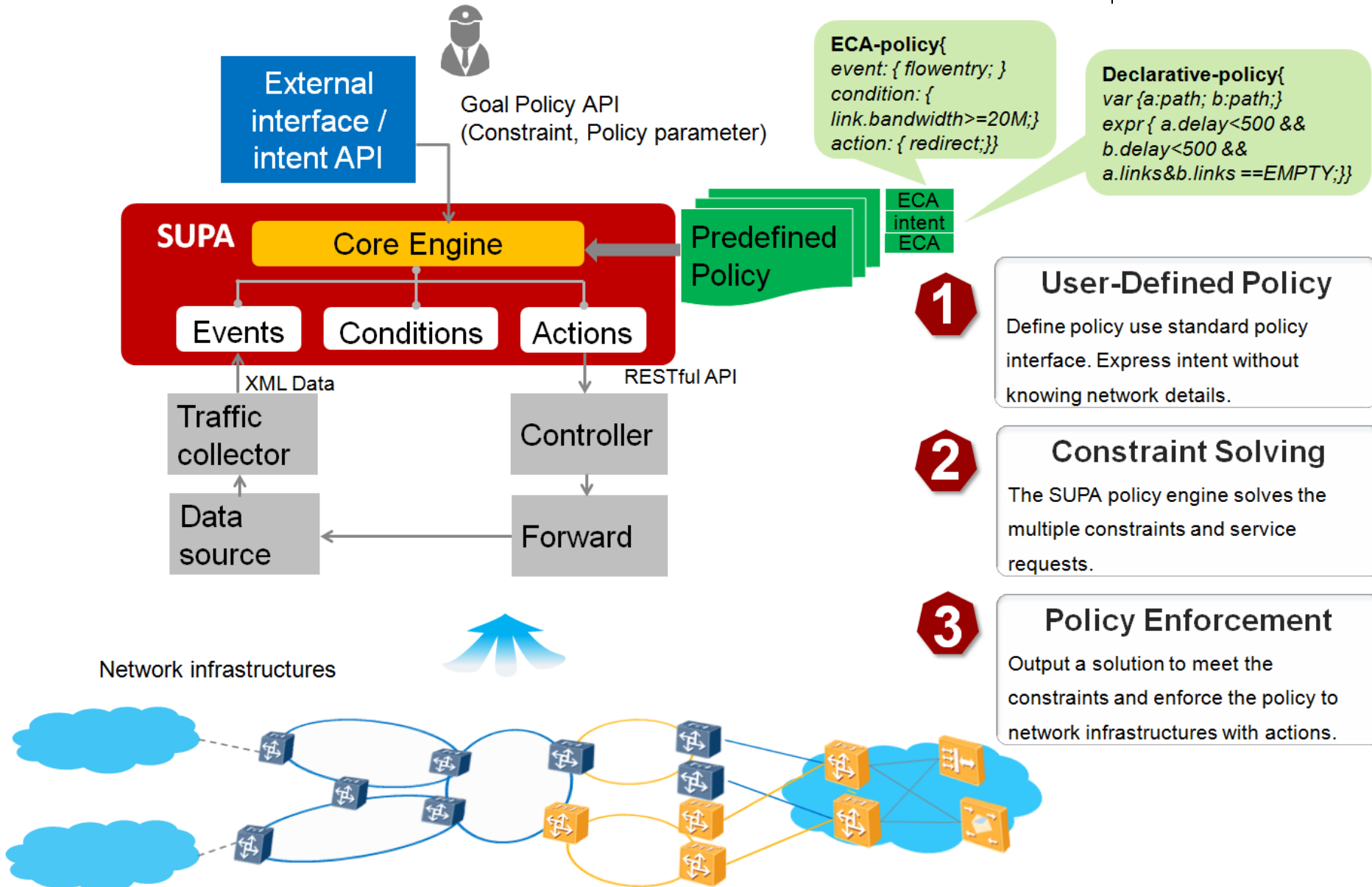
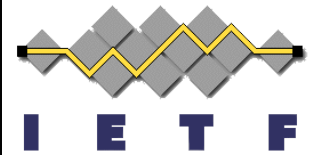
- User defines policies with policy models
- The policy engine takes defined policy model as input to compute solutions and translate into actions



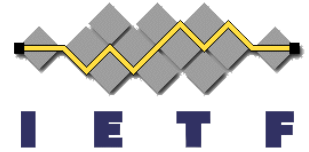
SUPA Policy Engine Demo

- Demonstrate the capability of Policy engine
 - Find path with predefined policy and constraints (VPN service setup)
 - Built based on:
 - draft-strassner-supra-generic-policy-info-model
 - draft-klyus-supra-proposition
 - draft-chen-supra-eca-data-model
 - draft-vadrevu-supra-applicability
- with running codes

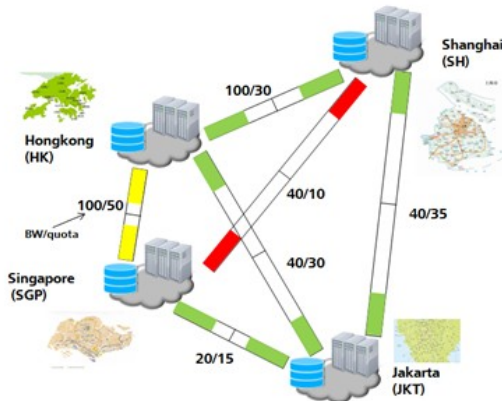
Demo Setup



Next – more scenarios, more problem domains, hackthon?



Inter DC Traffic Optimization



Service requirements:

customer	conn	bw	QoS
A	SH-HK	10G	Gold
B	SH-HK	2G	Silver
C	SH-HK	8G	Bronze

Operator Policy:

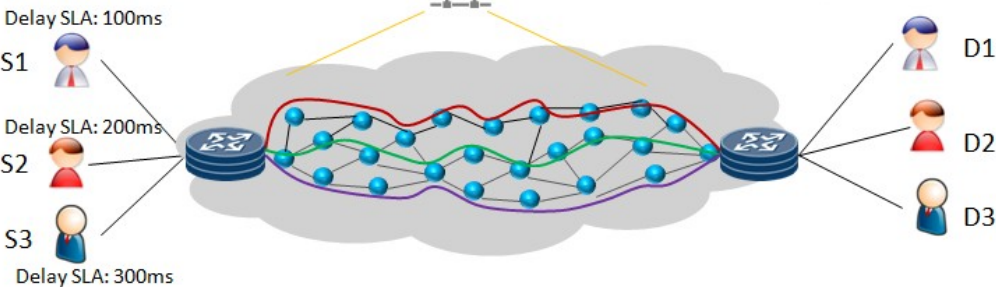
1. Detour enabled when capacity is low.
2. Gold user is promised by latency, so no detour allowed
3. Silver user allow one hop detour
4. When link cap > 80%, only Gold user can access.

Multi-dimension constraints

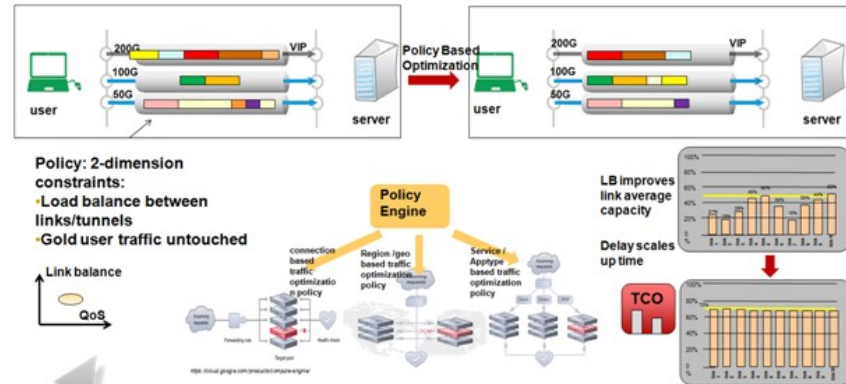


Agile Service Deployment: Multi-Constraint SLA

Service Deployment



Load Balancing and Optimization in NFV



Intelligent Network Operating and Management

