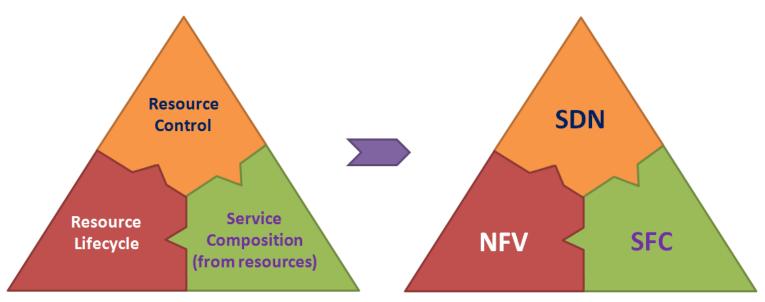
Techniques and Tools for the Management and Operation of NFV and SDN Networks

Joint SDN/NFV/NM RG Session IETF 96 Berlin, Germany Friday 22 July 2016

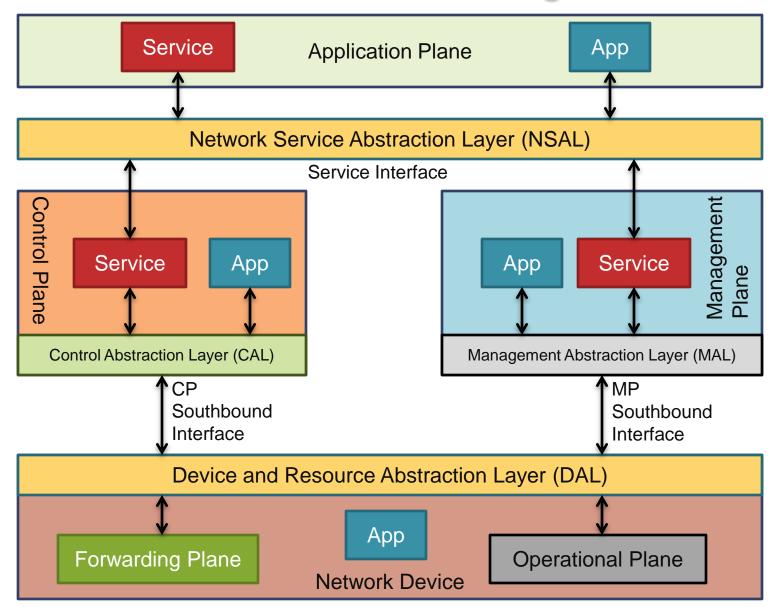
Evangelos Haleplidis Jamal Hadi Salim Kostas Pentikousis

Network of Resources

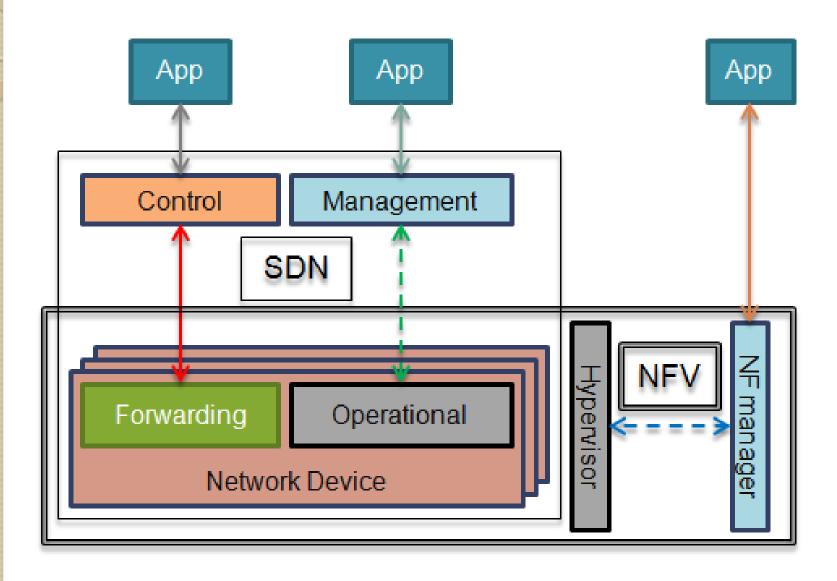
- Software Defined Networking (SDN)
 - Resource control
- Network Functions Virtualization (NFV)
 - Resource Lifecycle
 - Instantiation to destroy
- Service Function Chaining (SFC)
 - Resource chaining

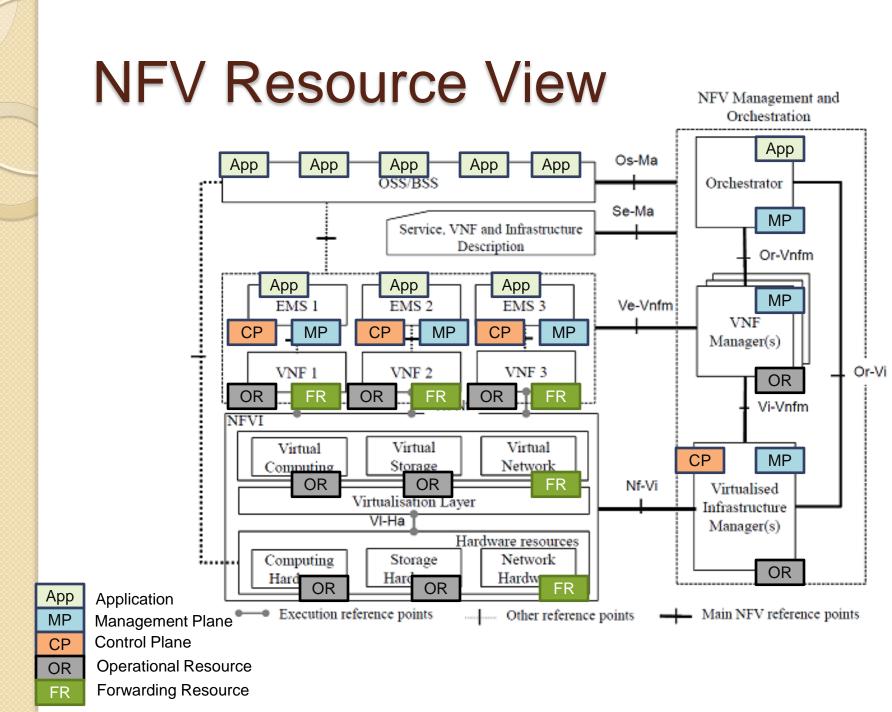


Software-Defined Networking RFC 7426

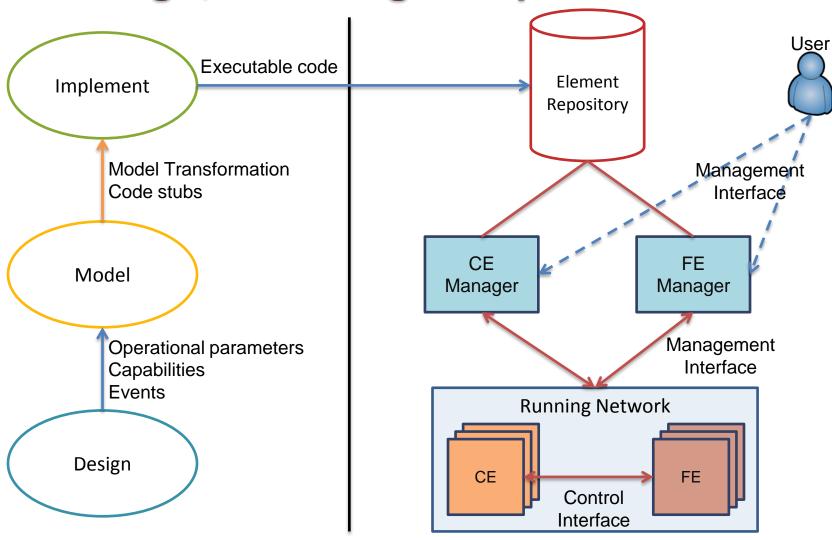


SDN & NFV





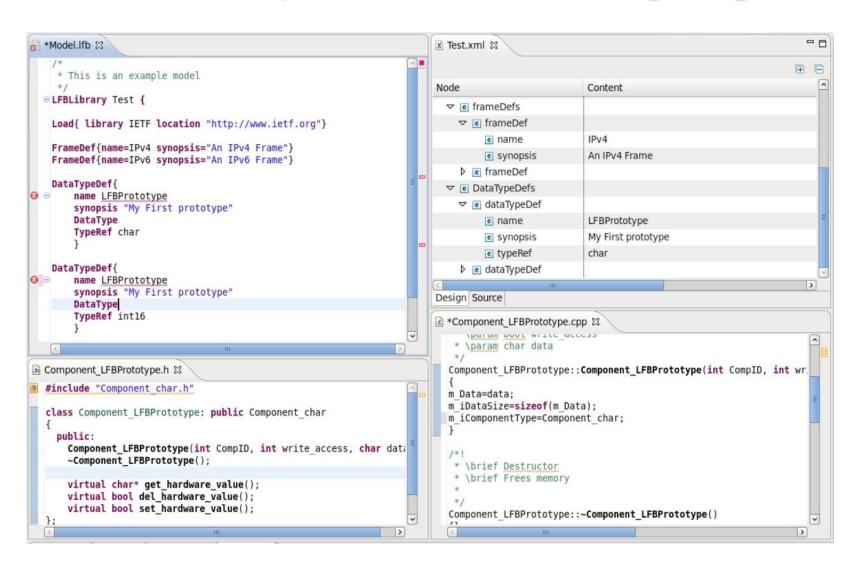
Design, Modeling & Implementation



Offline Phase

Online Phase

Domain Specification Language



Future Directions

- Abstractions models
 - Discuss a common set of abstraction models, e.g.
 - Hypervisors
 - Network Functions
- IETF/IRTF Applicability
 - SDN RG (follow-up of RFC 7426)
 - NFV RG (abstractions)
 - NM RG (e.g. autonomic aspects)
 - NWC RG (e.g. enhance RFC 7426)