

# Fabric-based management for Data center network

draft-zhuang-i2rs-yang-dc-fabric-network-topology-04  
draft-zhuang-i2rs-fabric-service-model-03

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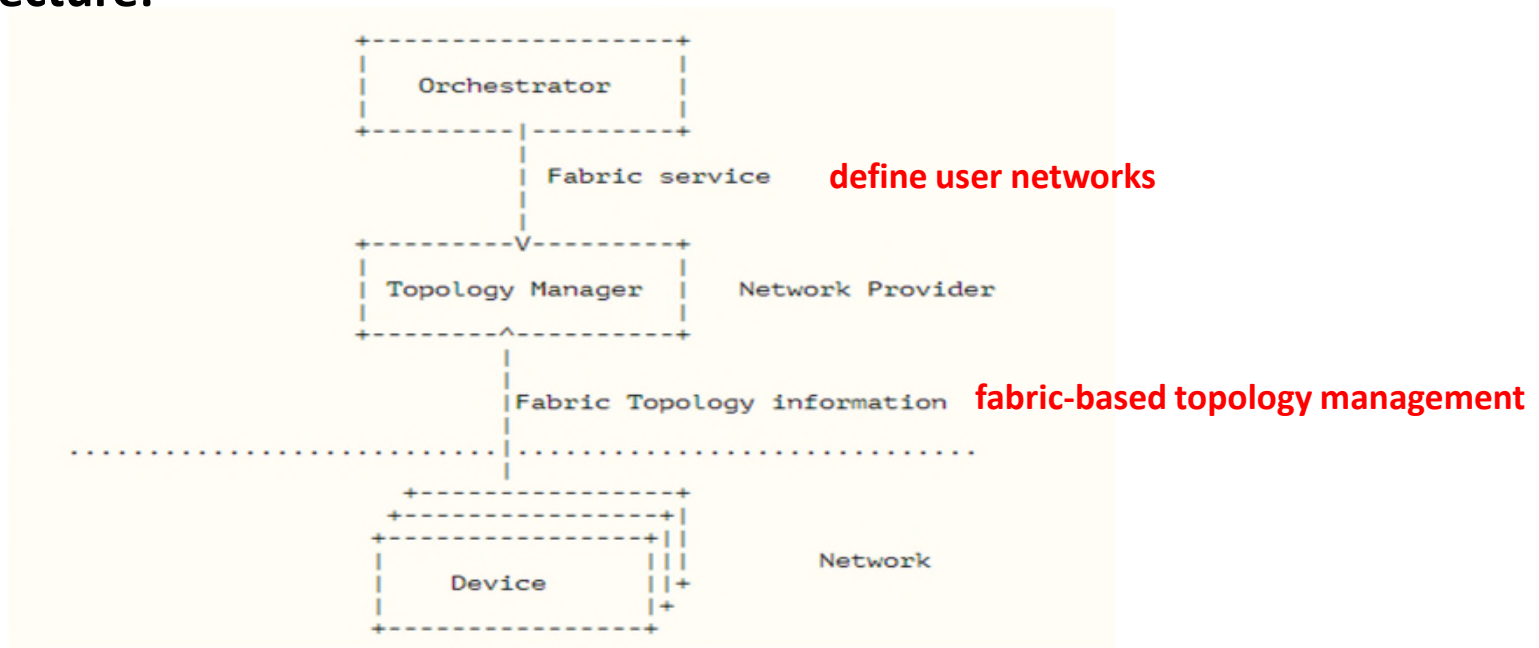
IETF 99 – Prague

# Two models design concept

## Objectives:

- Define a fabric service module to represent services for users regardless of topology, technology and device information used. → a user interface
- Define a fabric topology module to manage fabric-based Data Center network topology. → a fabric-based topology interface

## Architecture:



# History

- IETF96 Berlin
  - Proposes fabric topology model for DC network management
- IETF97 Seoul
  - Proposes fabric service model as service interface to users to configure/manage user network fabric topo.
  - Revises fabric topology model based on comments
  - New authors to participate the work
- IETF98 Chicago
  - Resolves comments on fabric models and TE topology models and achieves consensus with TE topo authors.
  - More descriptions in terminology section and multi-layer section.
  - Revises models based on comments.

# Updates since IETF'98

- Per recommendations by ADs, the modules are updated to NMDA-style and also provide non-NMDA fabric-topology–state module in appendix.
- People show interests in fabric models, so remove the fabric-capable-device module for implementation but concentrate on fabric ones.
- Some editorial changes.

# Next Steps for This Work

- Ready for WG adoption.
  - What do the chairs recommend?
- Further review fabric models.

Question?