Fabric-based management for Data center network

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

Rong Gu (Presenter)
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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?