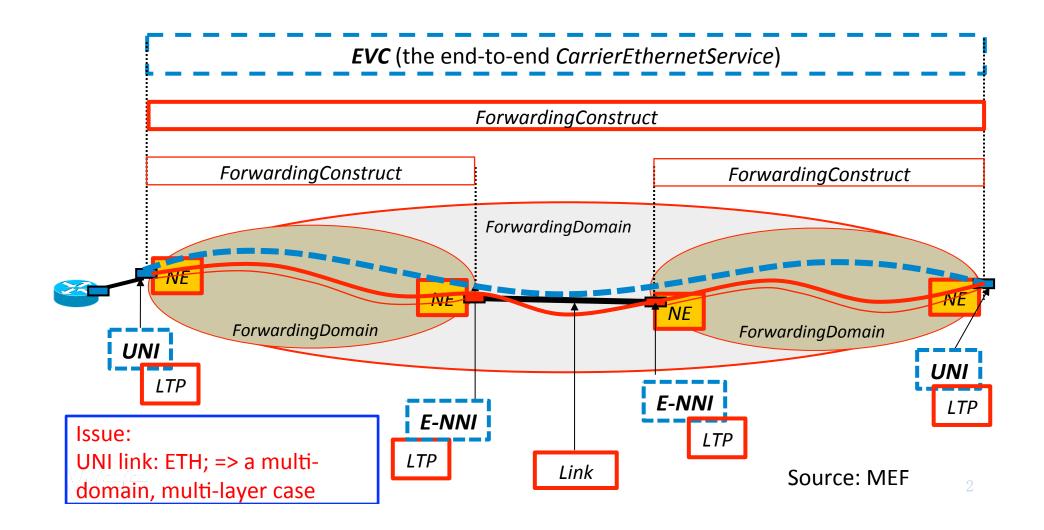
Use Case - 3

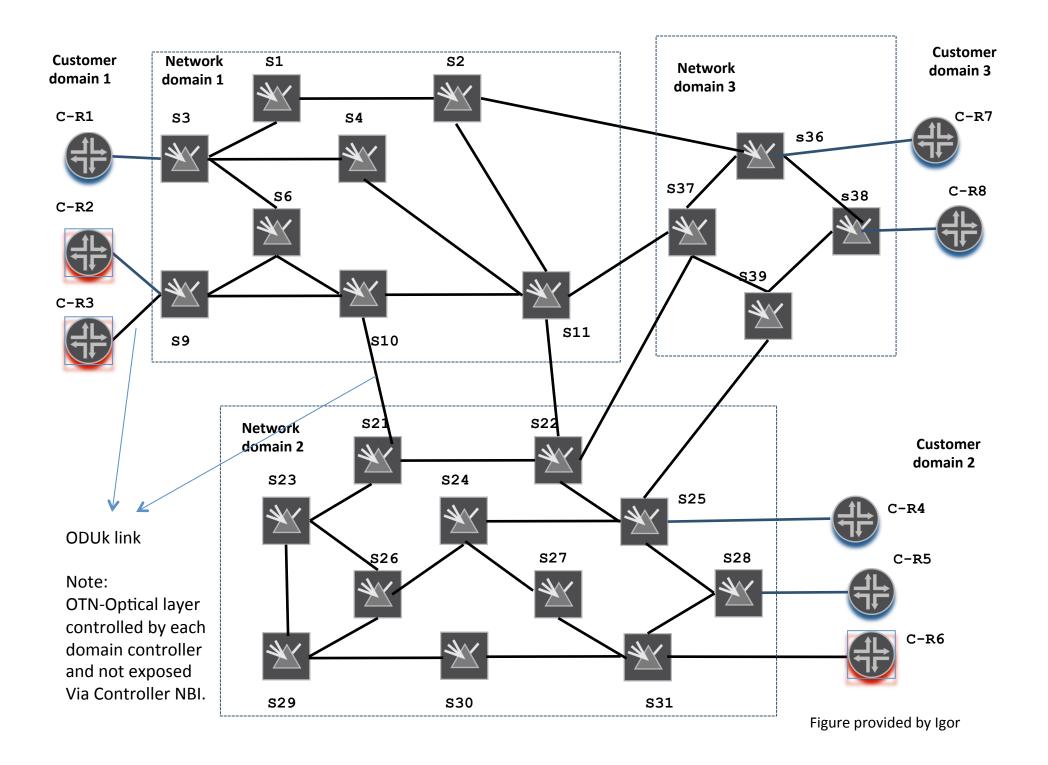
Multi-domain case
Xian Zhang
Huawei

Mapping from Service/EVC to ForwardingConstruct Single Provider, single managed FD, partitioning

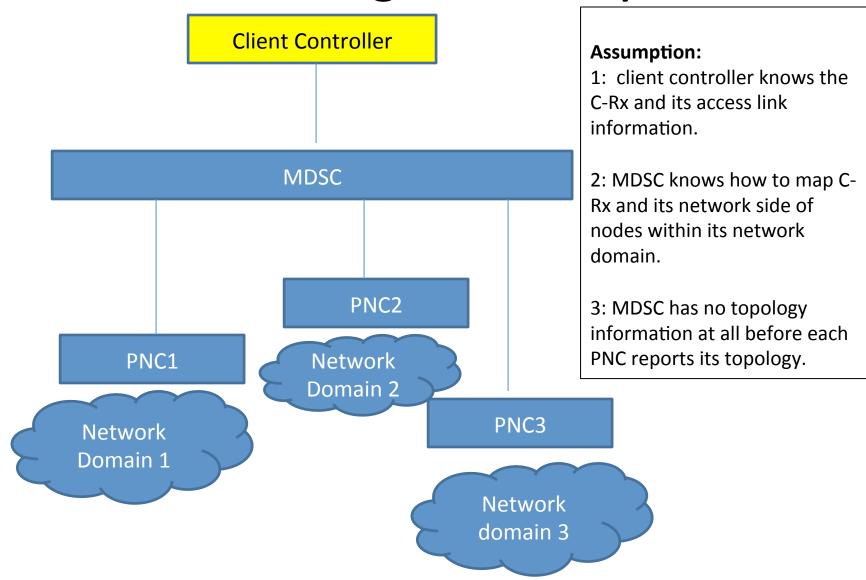
managed object classes at Service level (potentially appearing at Legato, Interlude)

managed object classes at Resource level (potentially appearing at Presto)

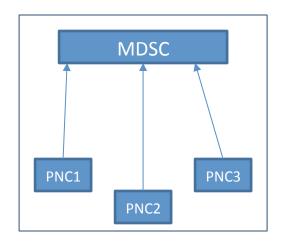


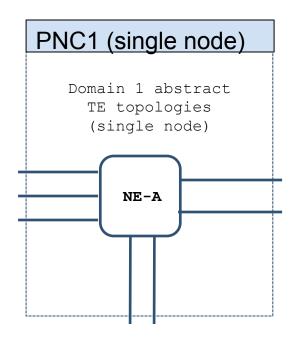


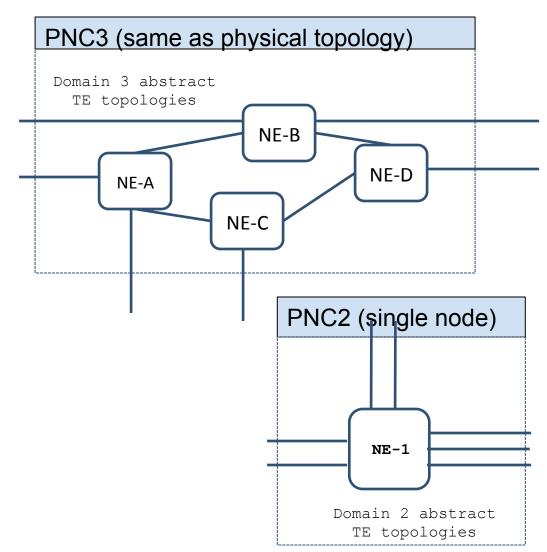
Controlling Hierarchy



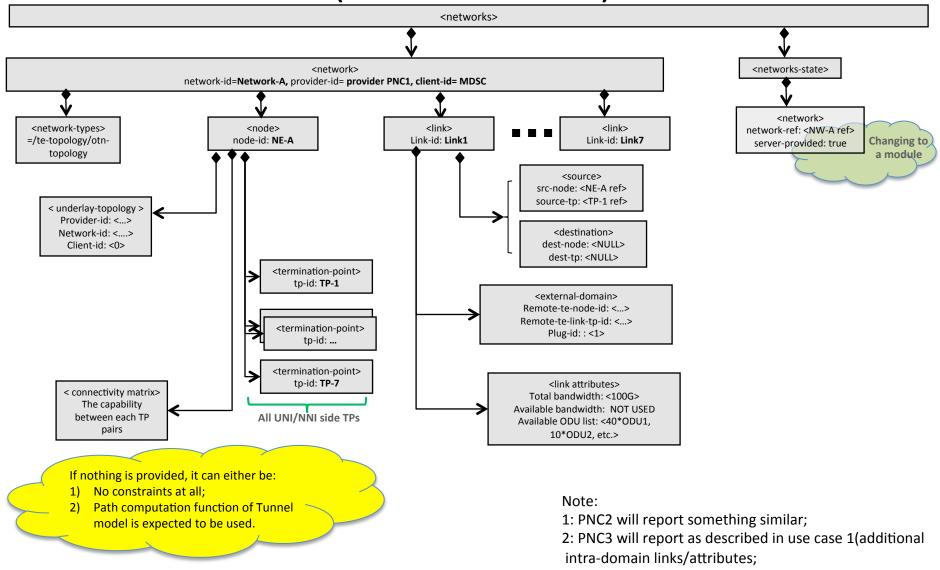
Domain controller reporting



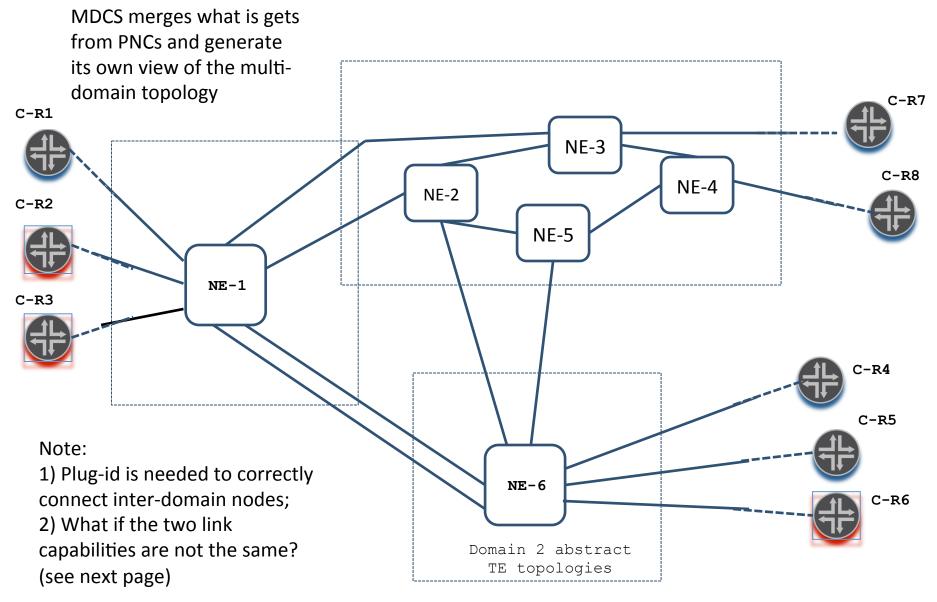




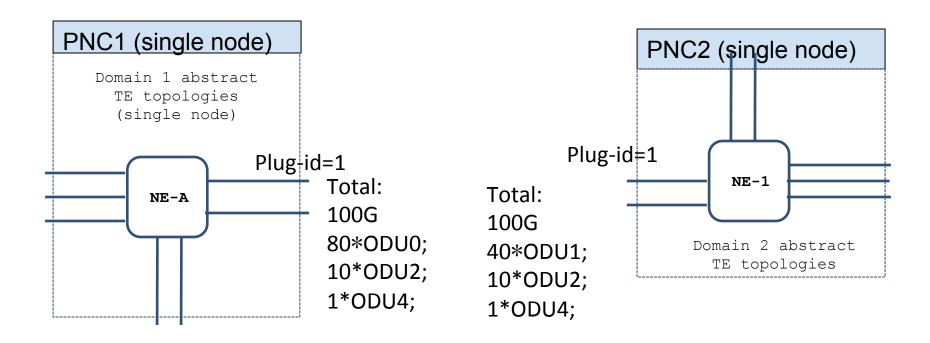
Network Topology (teas) Model Instantiation (PNC1 to MDSC)



What does MDSC get?



Non-identical Link attributes

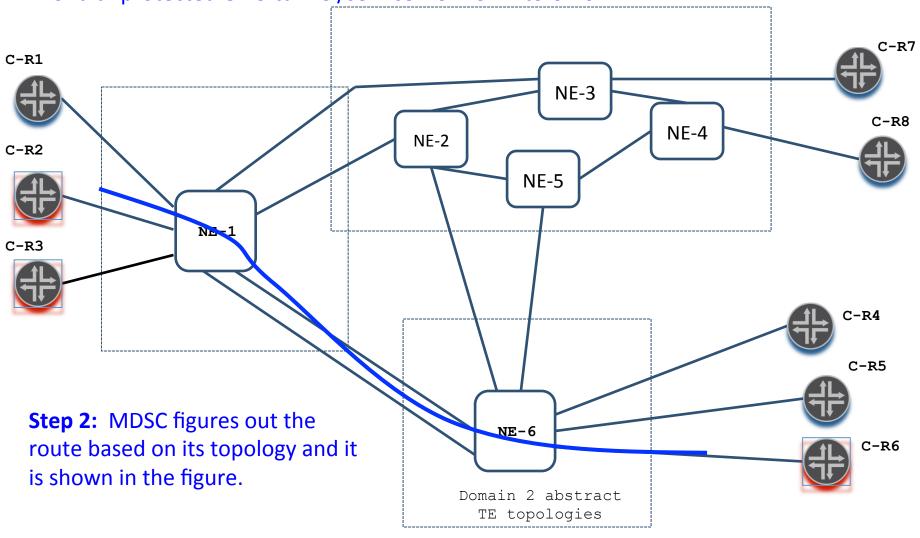


Issue: what to do when the two links reported by different PNCs do not have identical attributes?

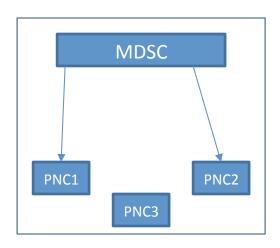
Solution: MDSC can keep what is mutual on both links in its own TED. In this case, only setting up ODU2 or ODU4 LSP/tunnel.

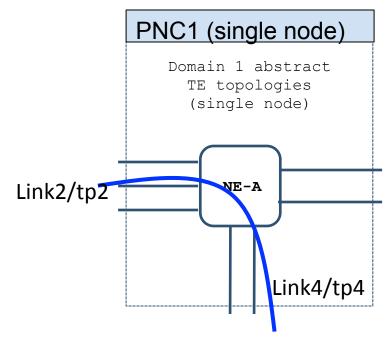
MDSC – Path Computation

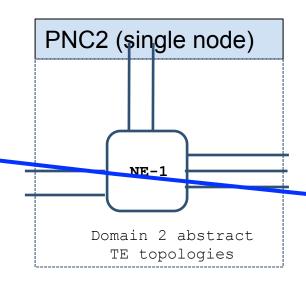
Step 1: Client Controller sends a service request asking for a unprotected ODU tunnel/service from C-R2 to C-R6.



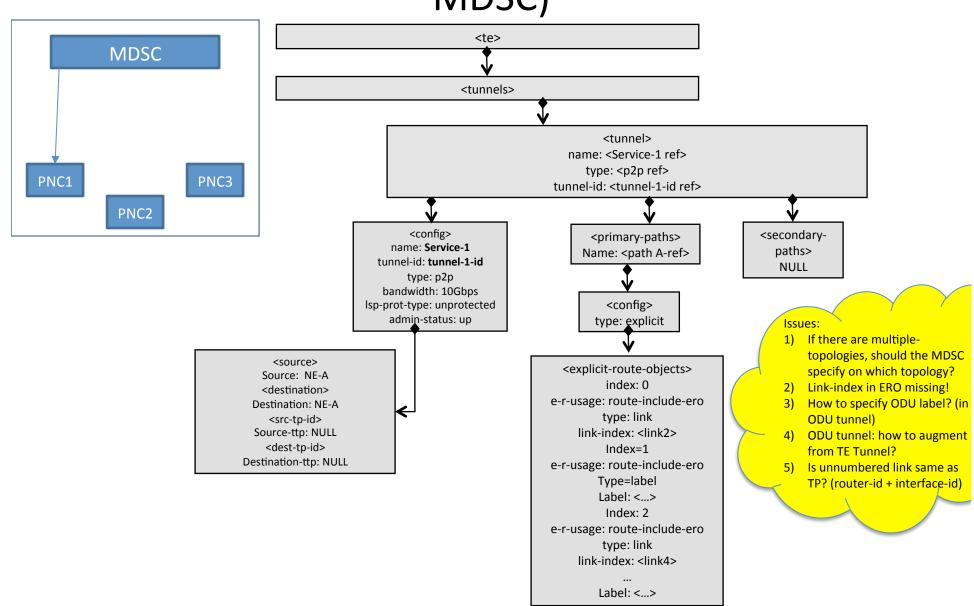
MDSC=>PNC





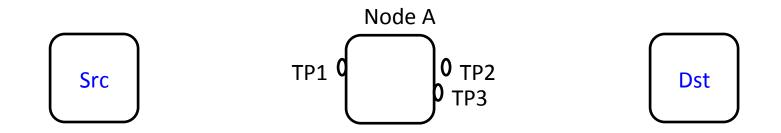


TEAS Tunnel Model Instantiation (client => MDSC)



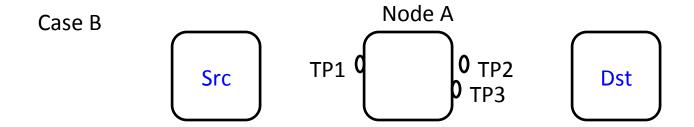
Another issue: TP directionality?

Case A



Loose ERO as: NodeA/TP1 (ingress)

It will be like: Src-NodeA/TP1-NodeA/TP2-Dst



Loose ERO as: NodeA/TP1 (egress)

It will be like: Src-NodeA/TP1-Dst