

Inter-Carrier MPLS Issues

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What is the driver towards SP Interconnects?

- Enterprise Requirements
 - Generally Multi-National Firms with extensive reach requirement across the globe
- Regional/Domestic Service Providers needing global reach
 - I have a large customer that requires some international reach
- Global Service Providers needing regional/domestic reach
 - I have a large customer that requires a large domestic reach in certain countries
- AP, Americas, Europe
 - Need further reach within region

The Challenges

- SLA and QOS
 - Customers expect predictable end to end service, regardless of the number of providers being used.
- Each provider's have different:
 - Methods: SLA measurements, Network Monitoring
 - Processes and Procedures: Ordering Process, Fault Finding Process, Service Design Rules
 - Configurations (Technical Issues): Too many different ways to accomplish the same task, Different ways to configure CEs and PEs, Each have their own ways – Can they all work together?
 - Planning: Capacity Planning is both art and science, both parties must agree for proper planning, especially a challenge if one side uses QOS in the core and other does not, Is this relationship equal (does one SP need the other more)
 - Features: feature release and development is different for each SP, customers need features end to end, (example: multicast VPN)
- Customer's expect SLA end to end
- The challenge is making these elements work transparently across both networks
 - As an account team, service team, product management, network operations, and as a customer