

MSPP Architecture & Services

Lim Wong

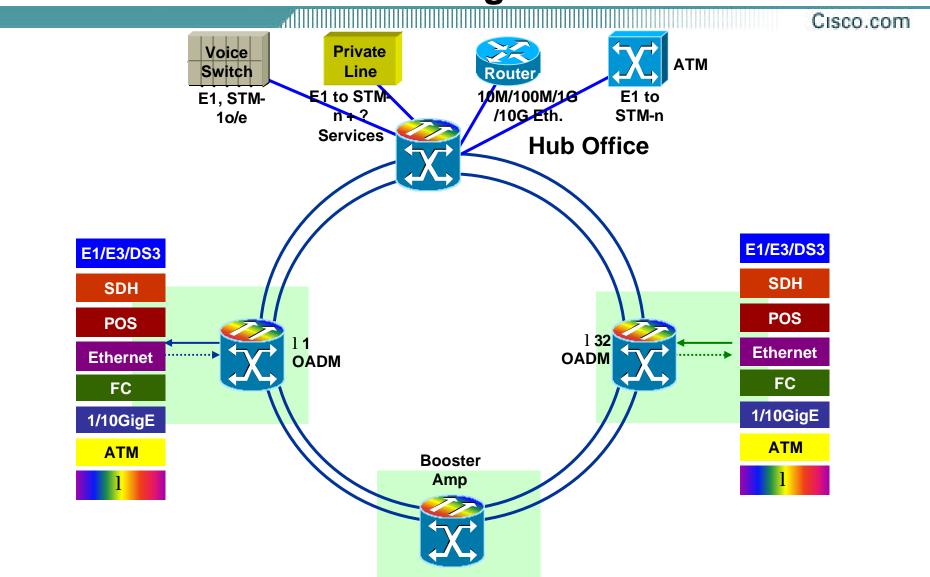
APAC Consulting Team

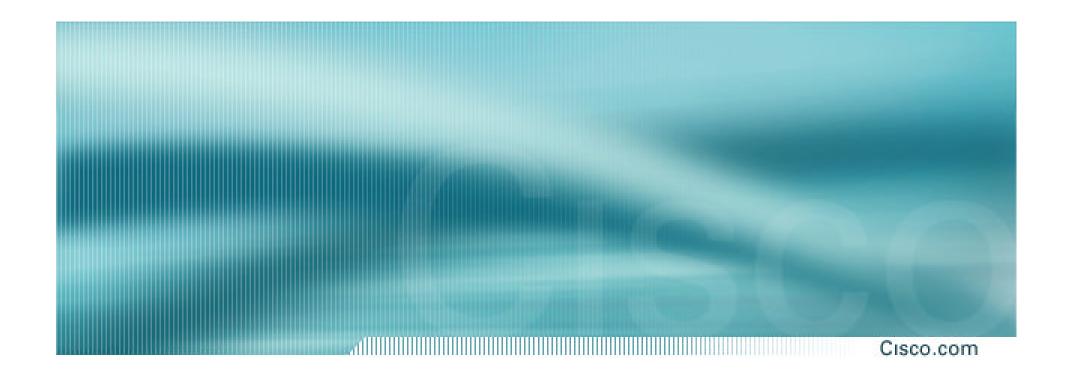
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What is MSPP?

- TDM solutions
 - E1, E3 and DS3 Interface
- STM1 to STM64 optical transport bit rates
- DWDM and wavelength services
- Data solutions including 10/100/1000 Ethernet solutions
- Easy to use, end-to-end GUI based point-andclick provisioning
- Radical economics
 - Reduce OPEX and CAPEX

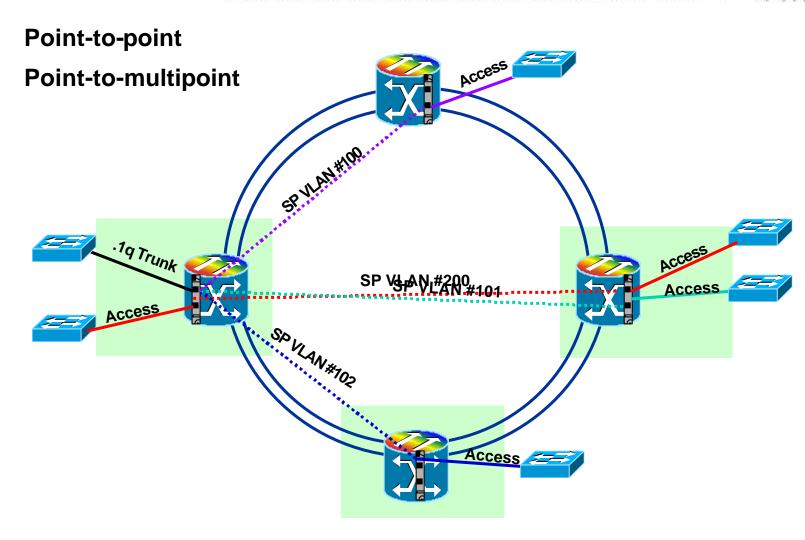
Multi-Service Provisioning Platform



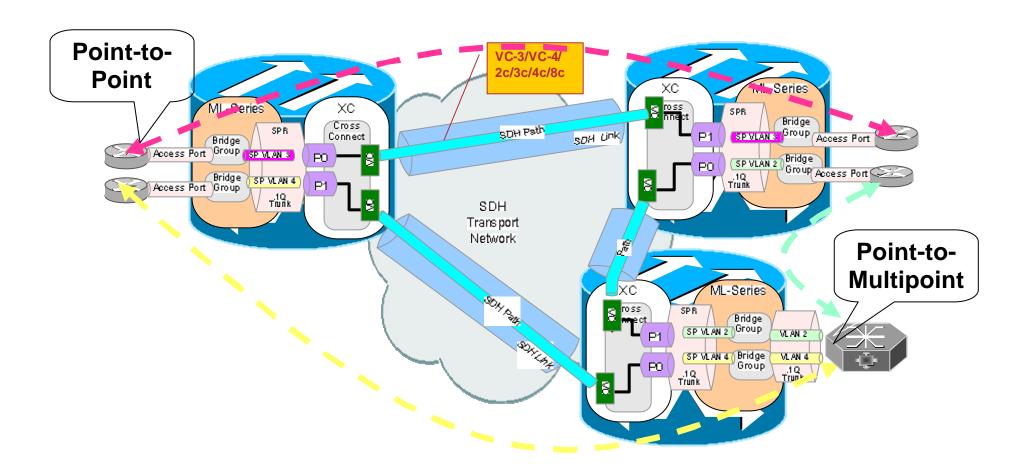


L2 VPN Services

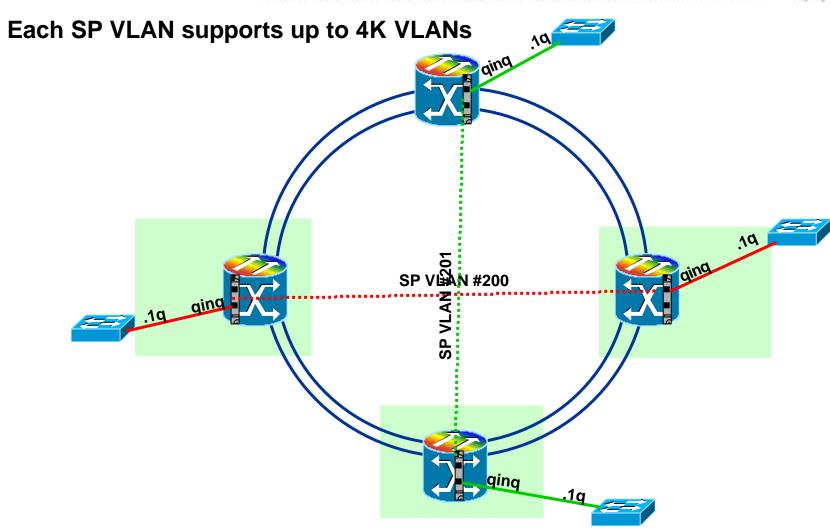
Ethernet Relay Services



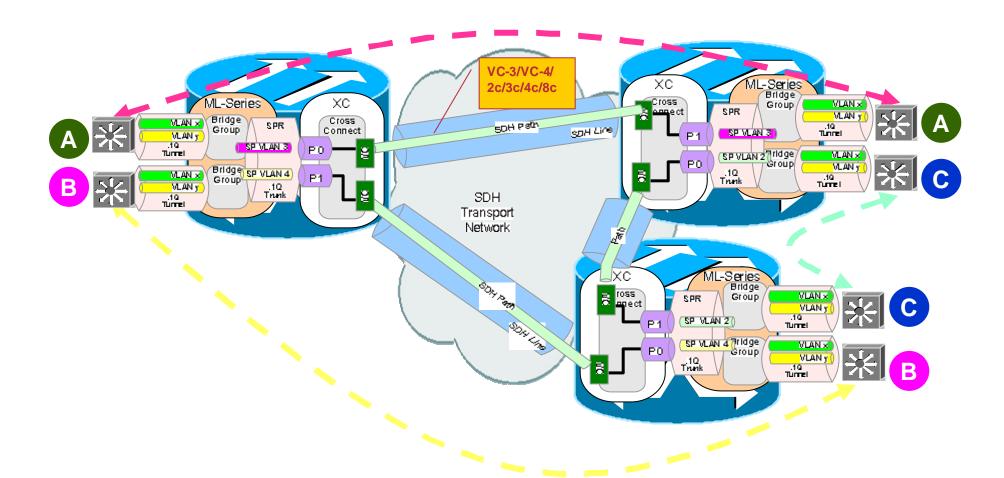
Ethernet Relay Service



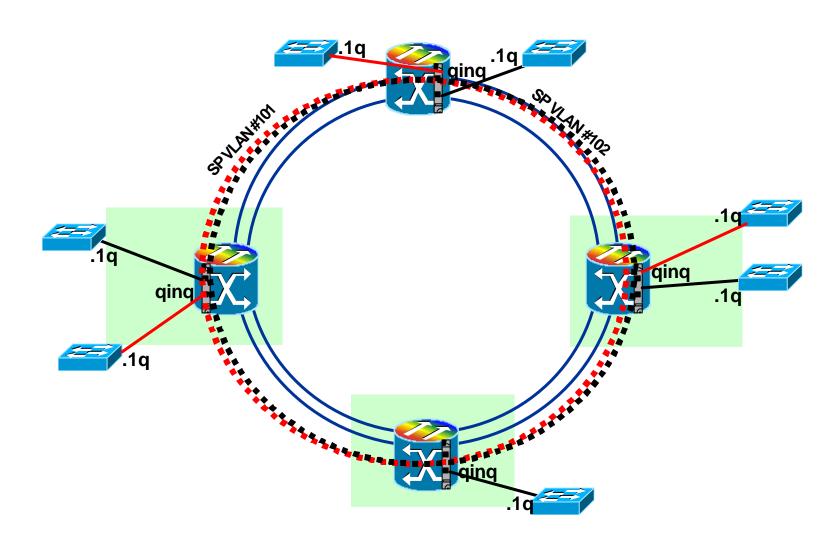
Ethernet Wire Services



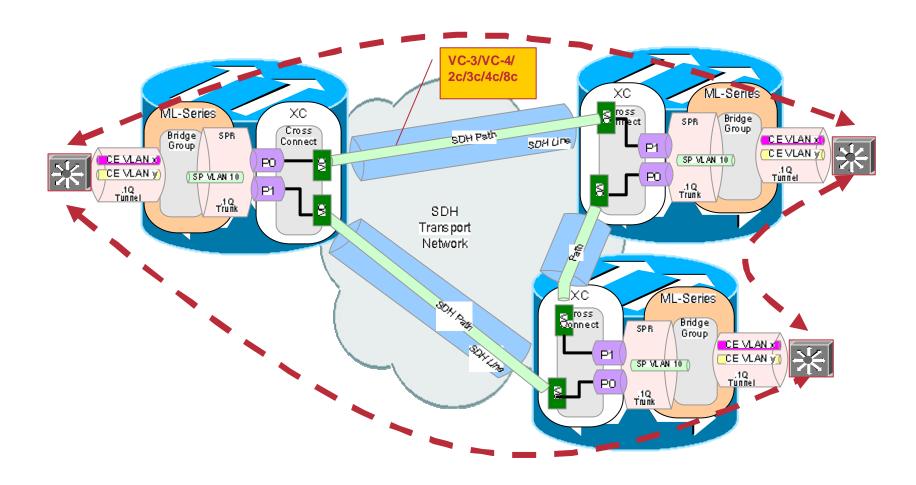
Ethernet Wire Service



Ethernet Multipoint Service



Ethernet Multipoint Service

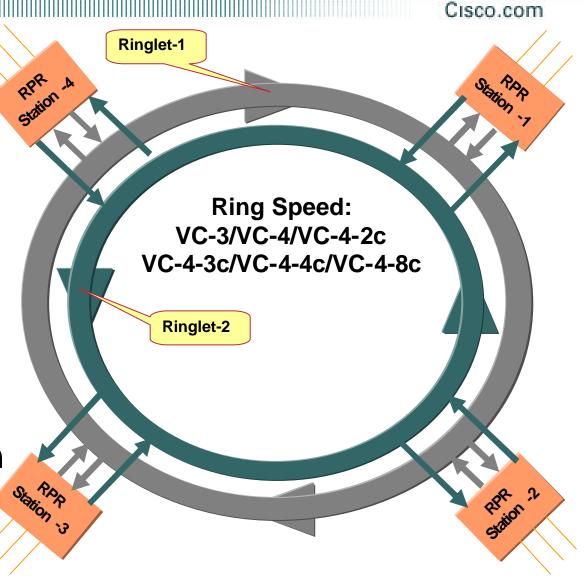


RPR Over SDH

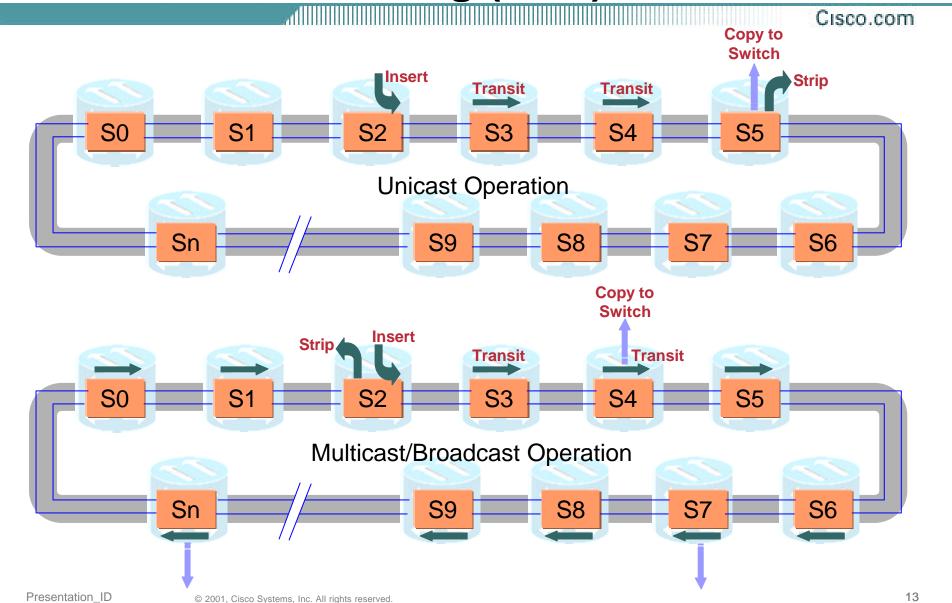
Each Ethernet
 Module is treated as a separate RPR
 Station

Dual Counter rotating ring (2 ringlet)

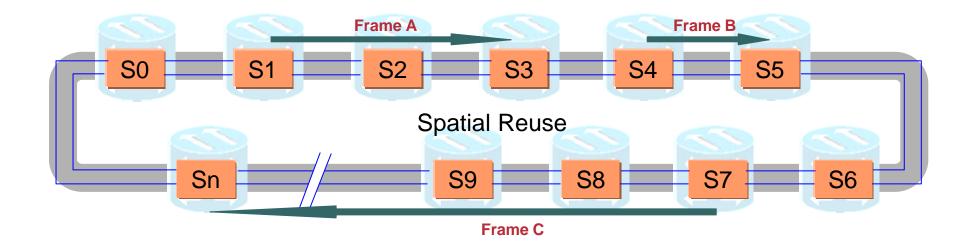
< 50msec restoration</p>



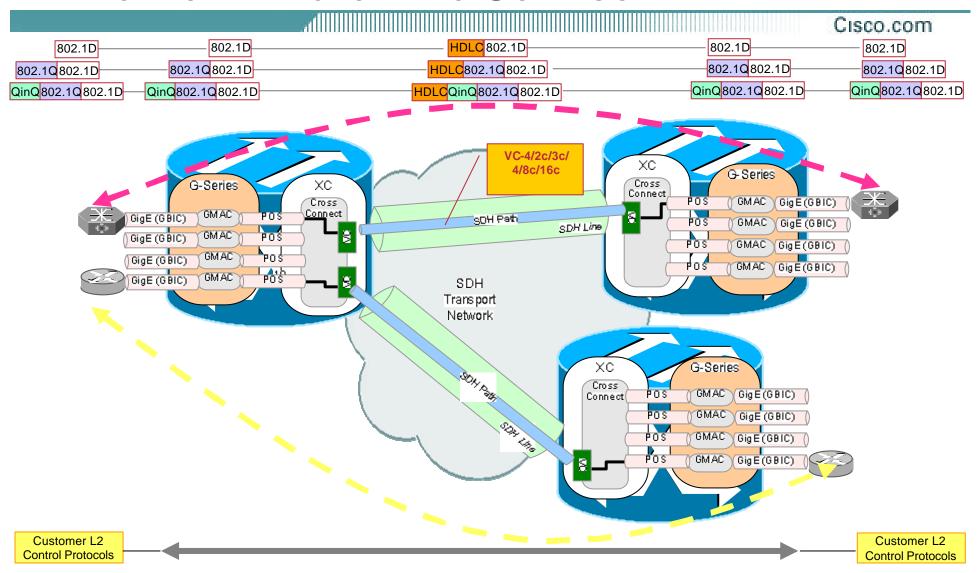
Resilient Packet Ring (RPR)



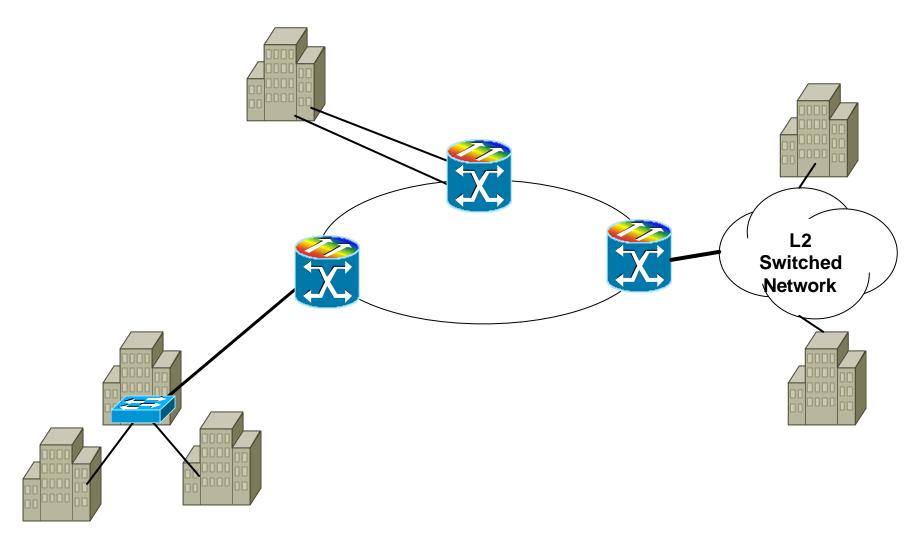
RPR - Spatial Reuse



Ethernet Private Line Service

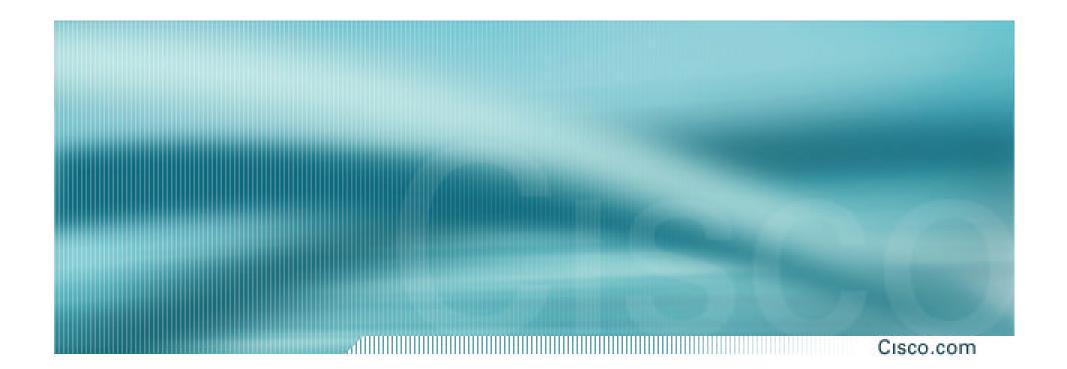


MSPP Based L2 VPN Architecture



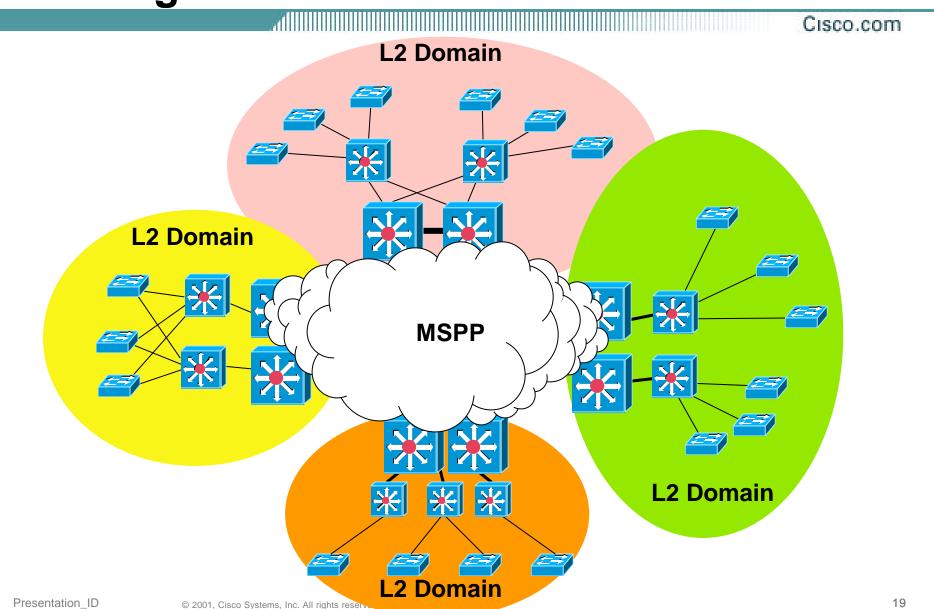
Ethernet Over SDH Applications

Cisco.com Internet/LH/Data BB Internet Access Layer 2 VPN Cisco 7600 **Enterprise A MSPP MSPP MSPP MSPP Enterprise C Enterprise C Enterprise B Enterprise C**

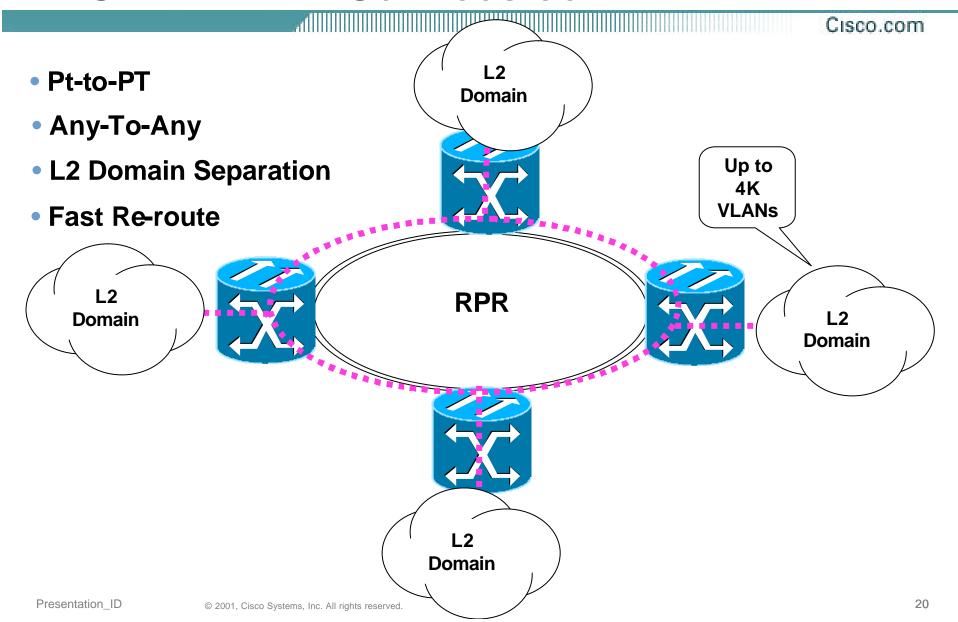


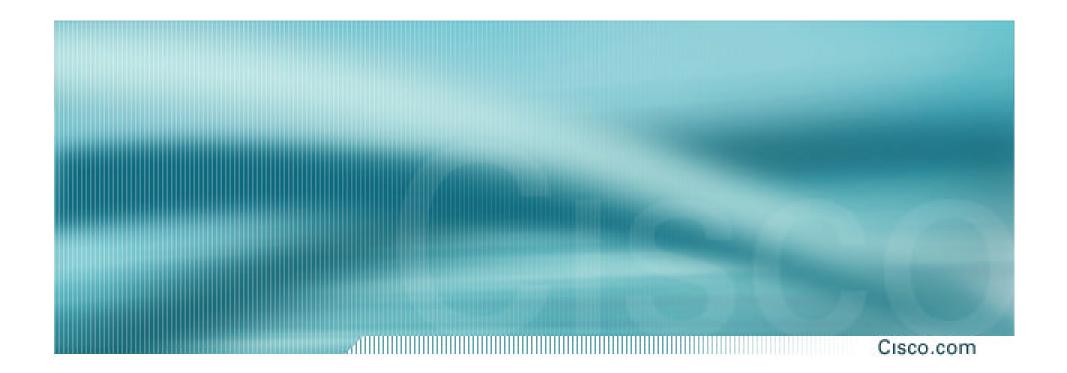
Scaling the Network

Scaling the Network With MSPP



MSPP L2 VPN Services cont.



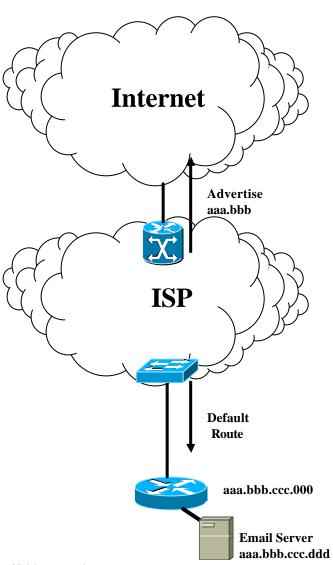


Business Internet Services

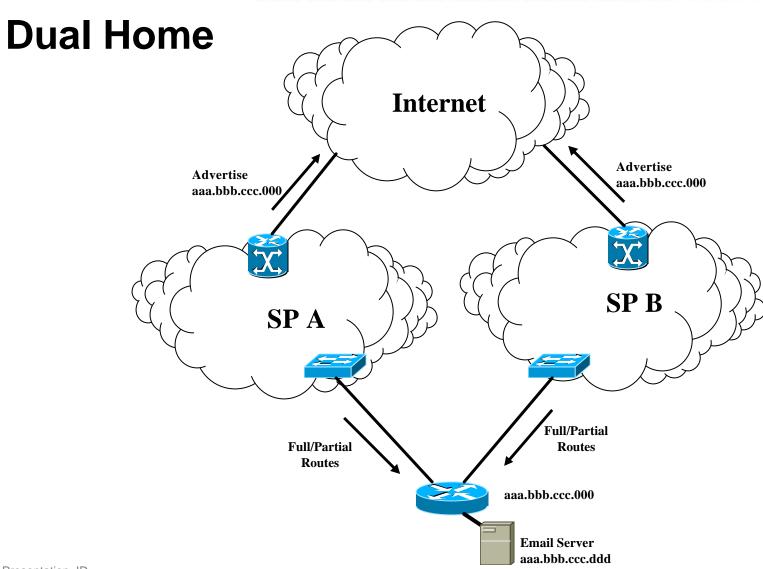
Business Internet Service

Cisco.com

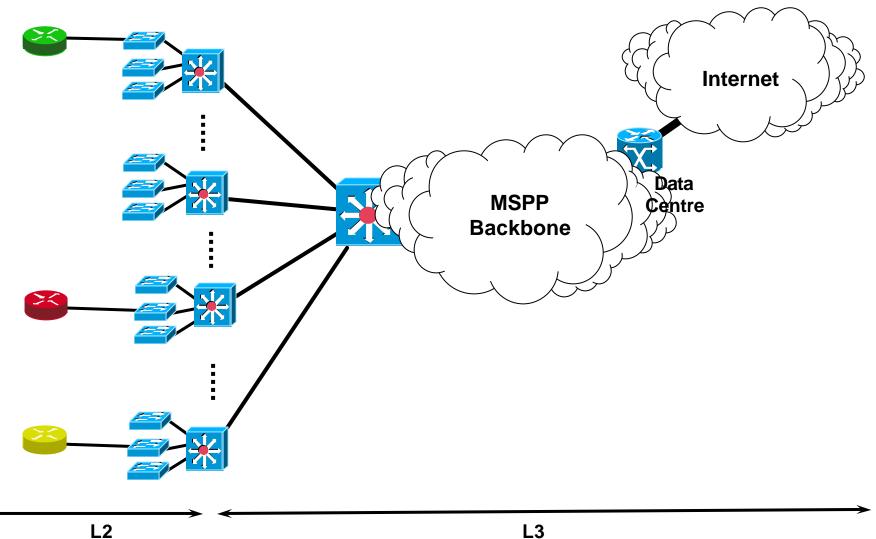
Single Home



Business Internet Service

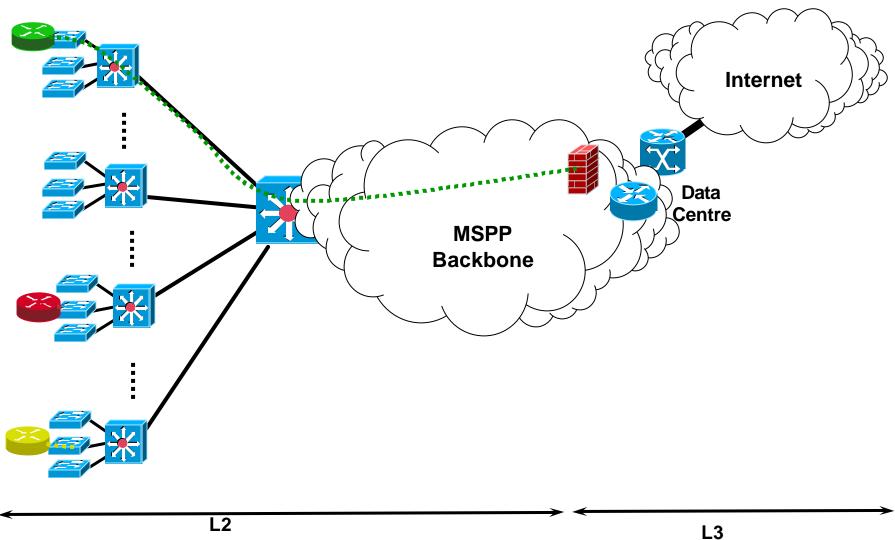


MSPP Business Internet Service

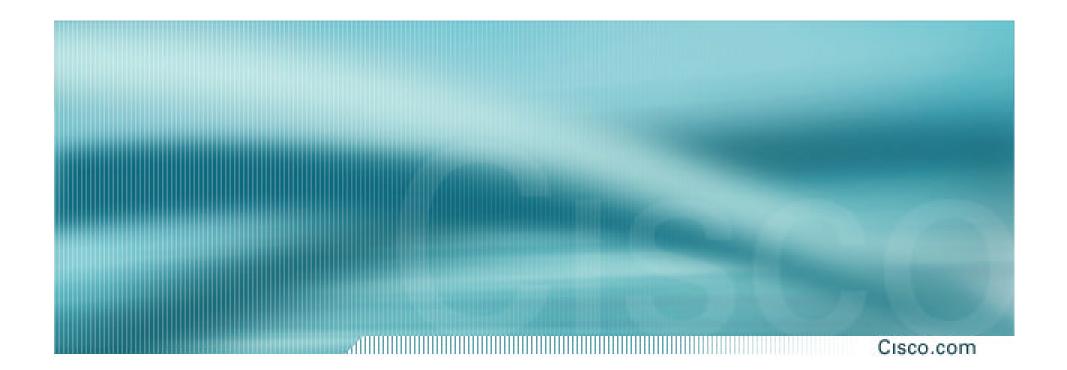


MSPP Business Internet Service cont.

Cisco.com

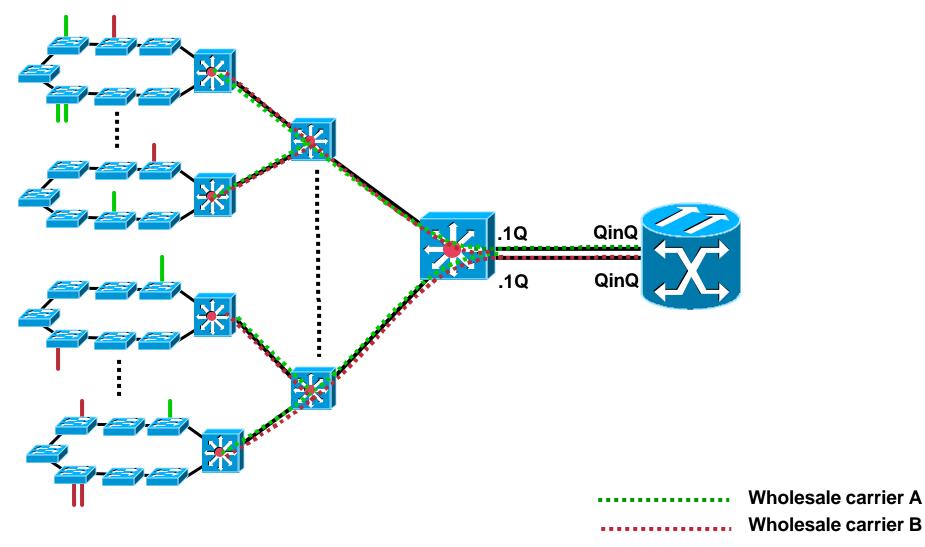


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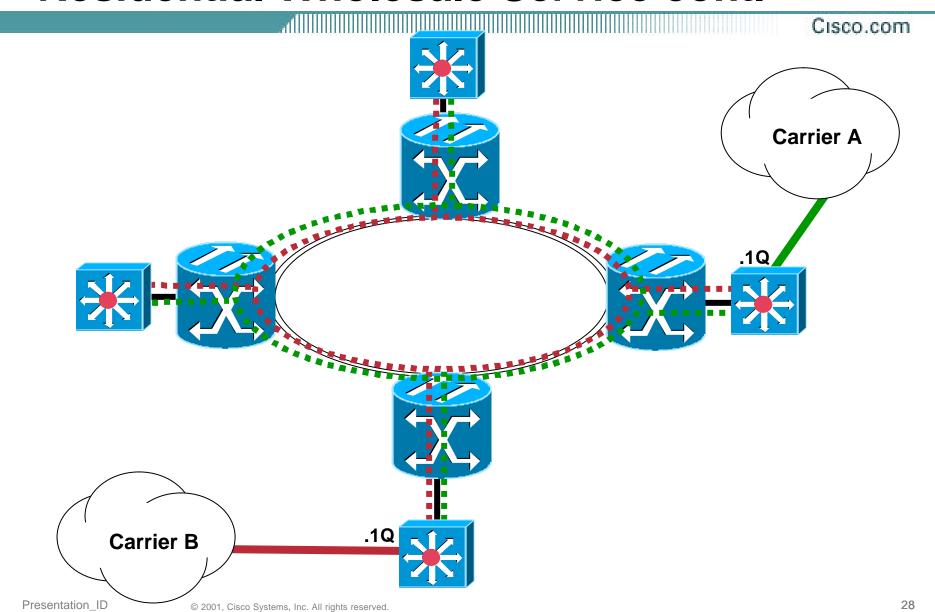


Residential Wholesale Services

Residential Wholesale Service



Residential Wholesale Service cont.



Residential Wholesale Service cont.

Cisco.com **Wholesale Carrier AAA** QinQ **MSPP DHCP**

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