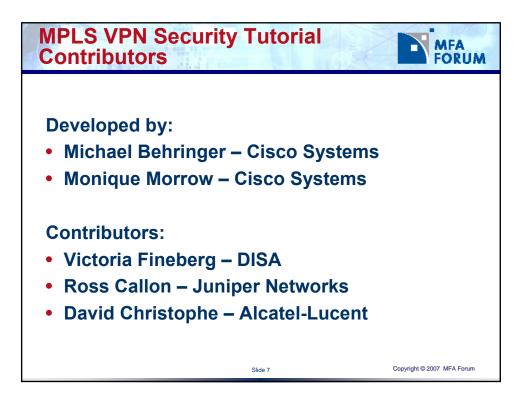
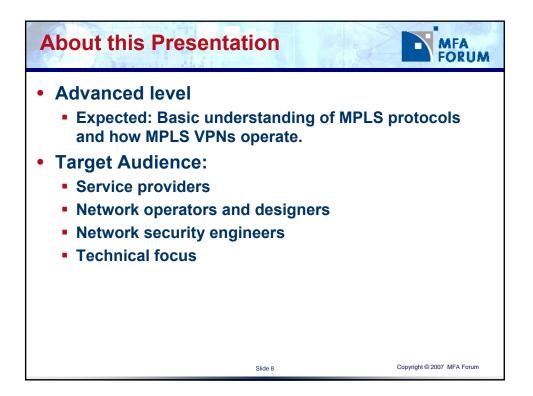
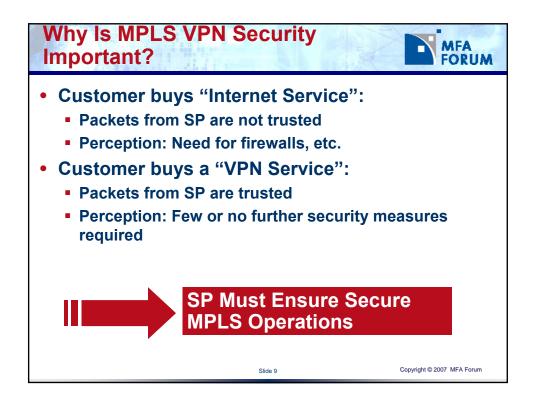
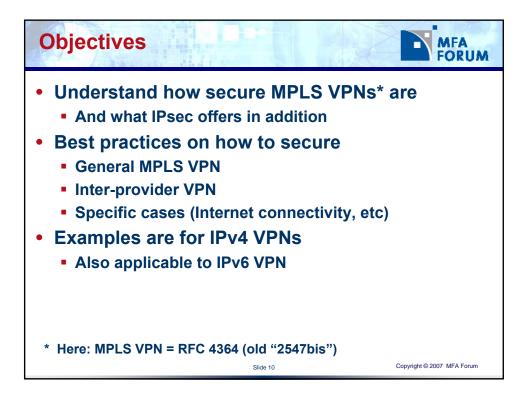


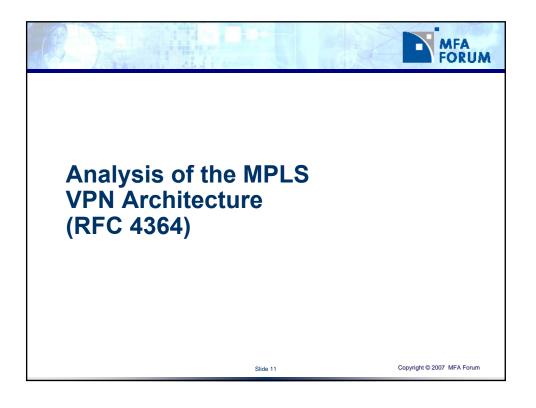
MFA Forum	MFA
Market Awareness & Education     Tutorials     Introduction to MPLS     MPLS Virtual Private Networks     MPLS VPN Security     MPLS OAM     Migrating Legacy Services to MPLS     GMPLS     Traffic Engineering	½ day and full day         ½ day and full day         ½ day
Voice over MPLS     Multi-Service Interworking over MPLS     Multicast in MPLS/VPLS Networks     New tutorials based upon demand     Conferences and exhibitions     MFA Forum speaker at almost every MP     Website and Newsletter	1⁄2 day 1⁄2 day 1⁄2 day
<ul> <li>Public message board</li> <li>Next meeting: March 6-8, Chicago, II</li> <li>Please join us!</li> </ul>	
<ul> <li>Subscribe to information mail list <u>info(</u></li> <li>To join the Forum contact Alexa Morris E-Mail: <u>amorris@mfaforum.org</u> P</li> </ul>	s, Executive Director
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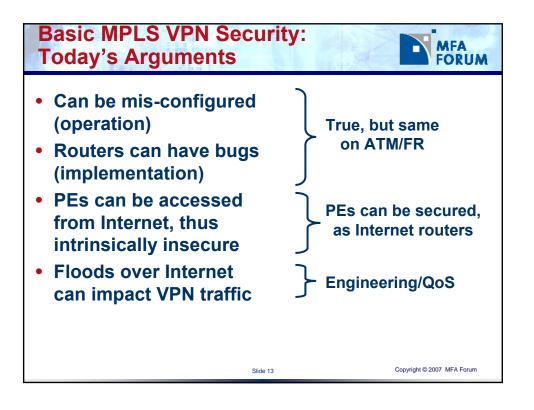


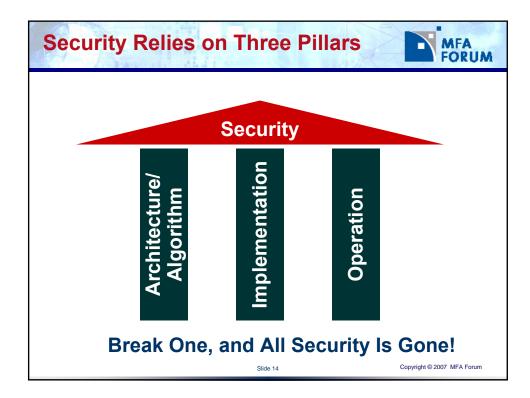


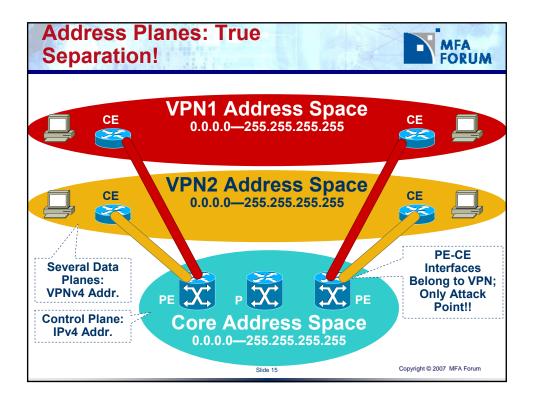


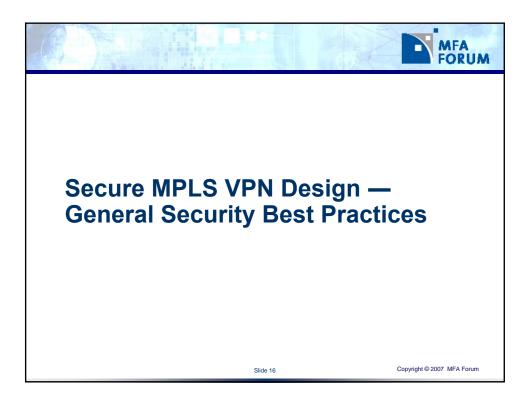


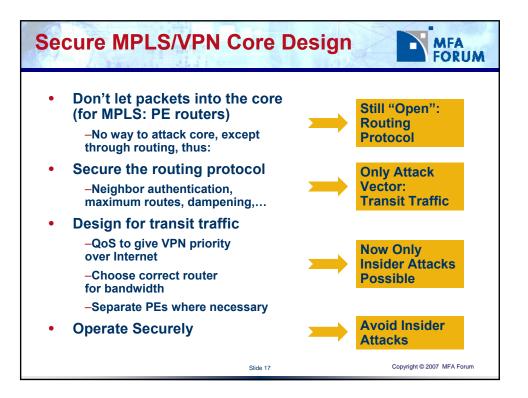
omparison with ATM/FR		
	ATM/FR	MPLS
Address Space Separation	Yes	Yes
Routing Separation	Yes	Yes
Resistance to Attacks	Yes	Yes
Resistance to Label Spoofing	Yes	Yes
Direct CE-CE Authentication (Layer 3)	Yes	With IPsec
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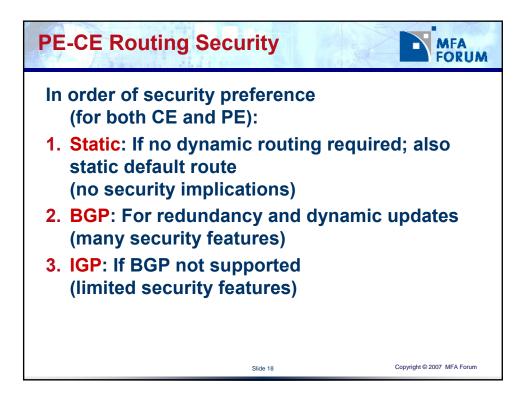


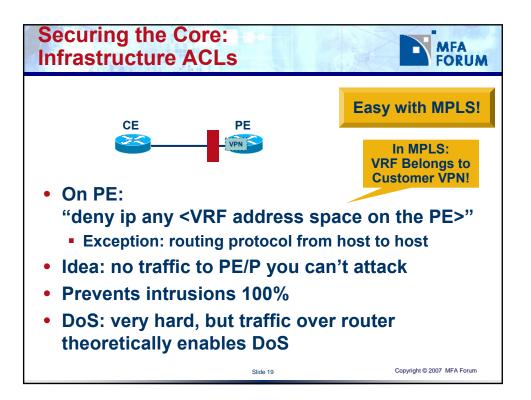


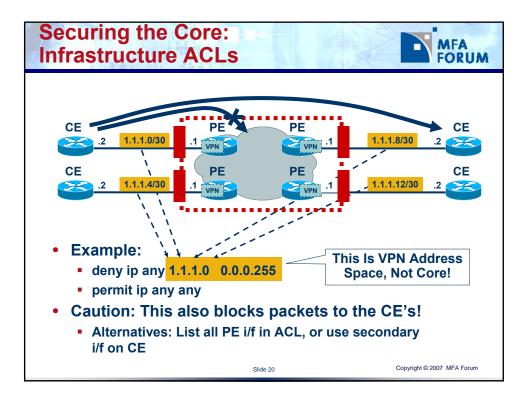




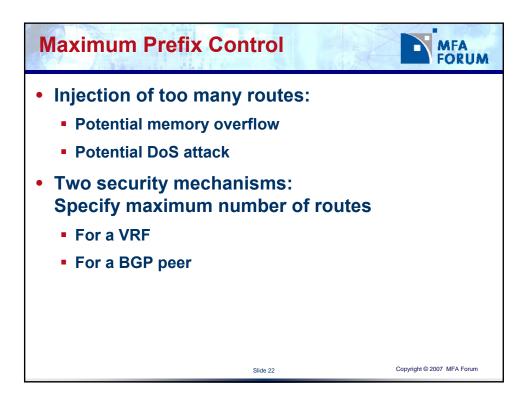


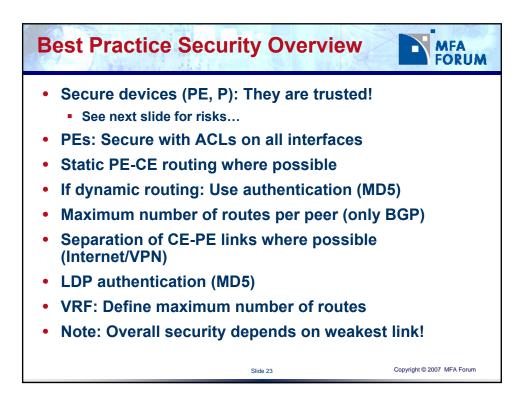


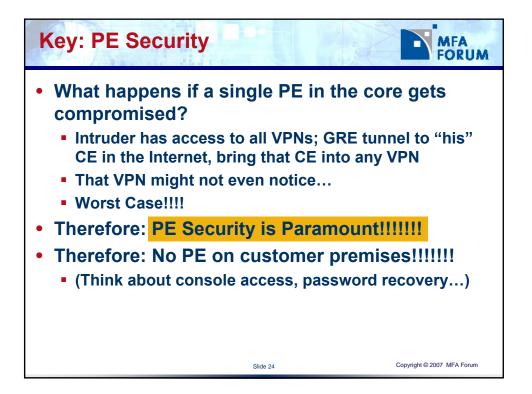


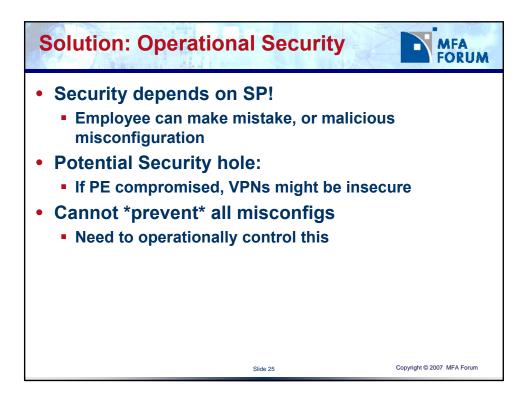


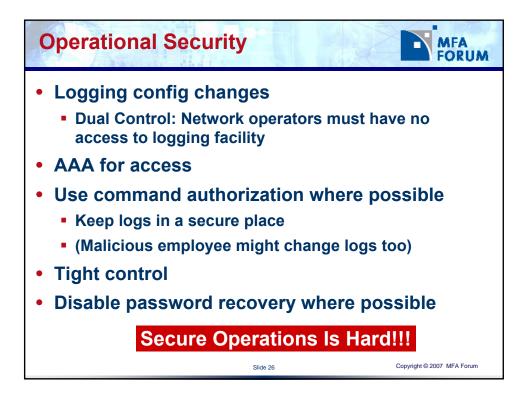


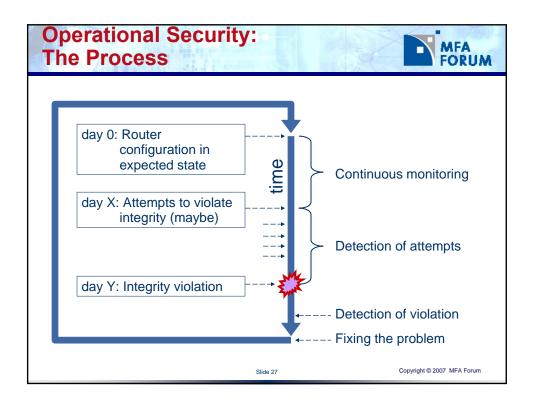


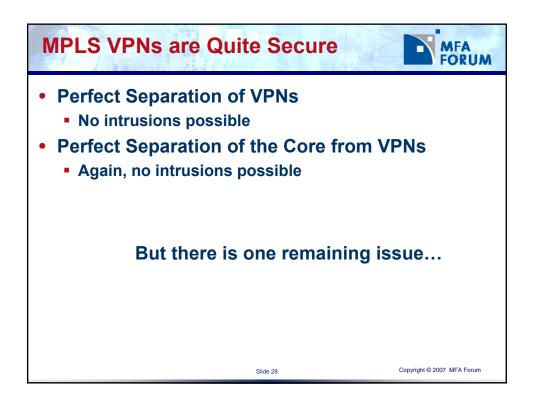


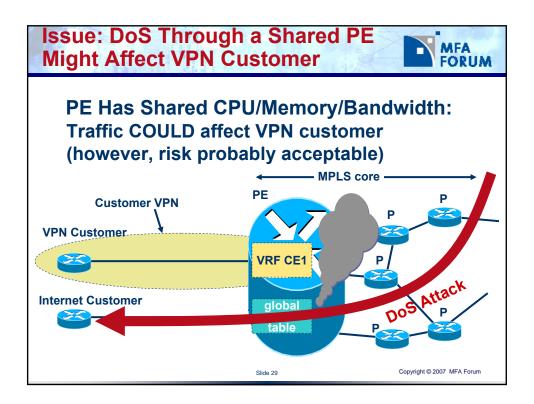


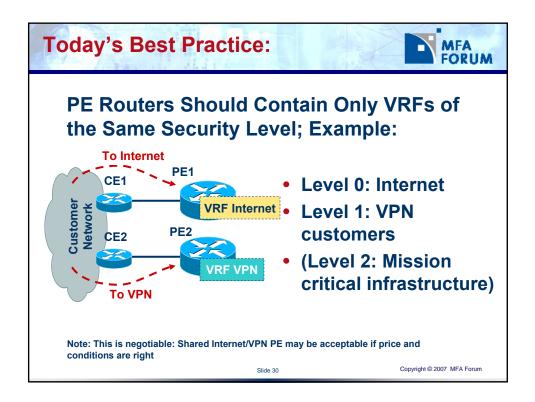


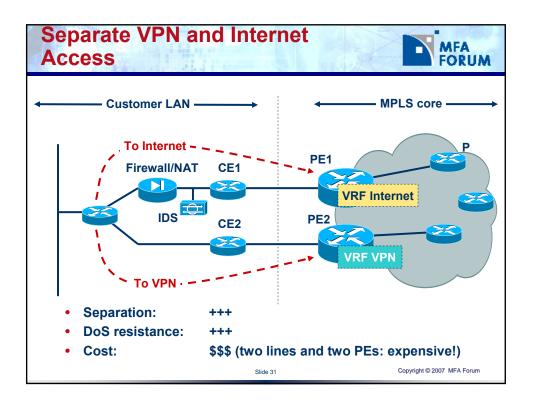


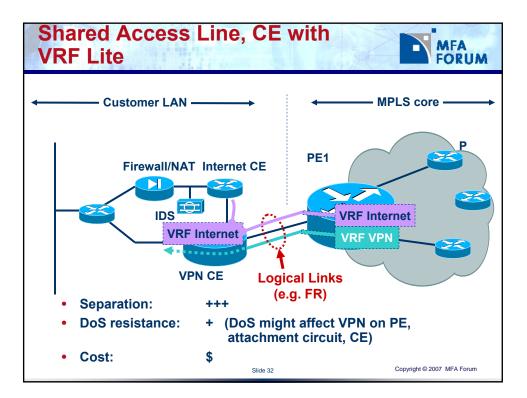


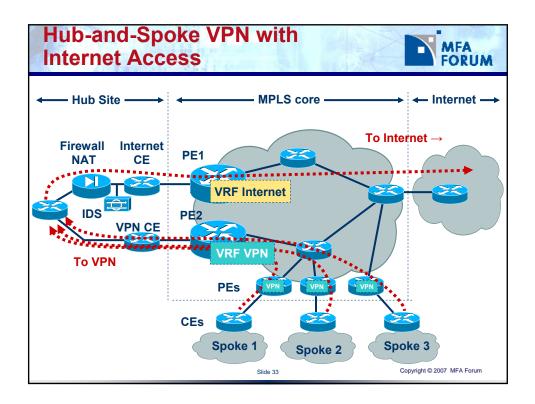


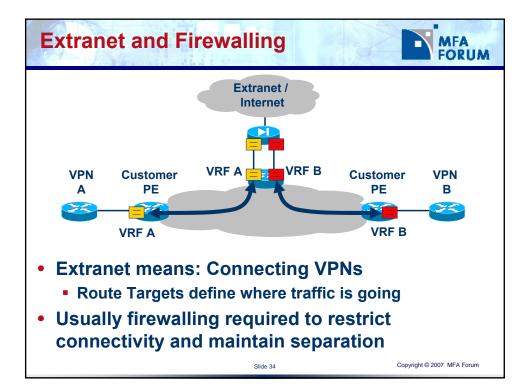


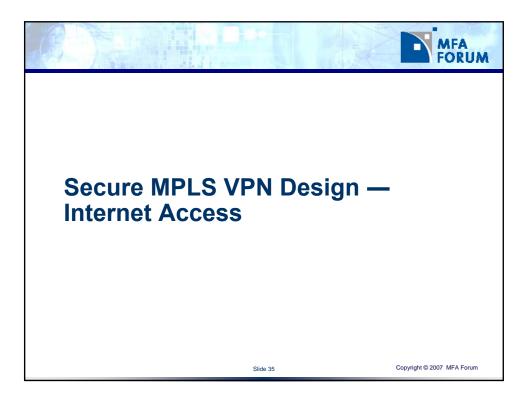


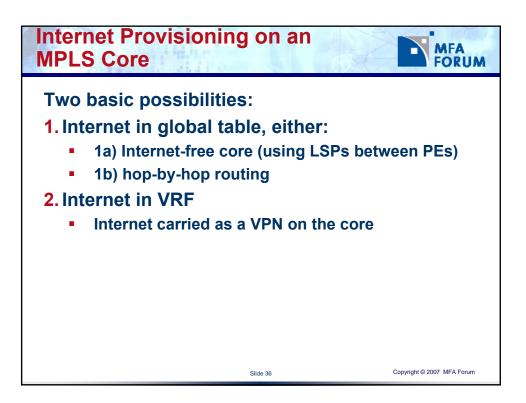


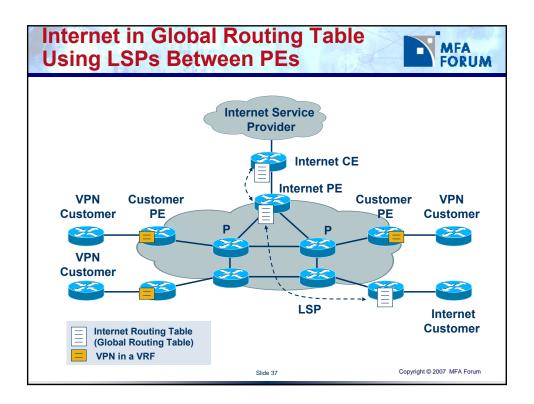


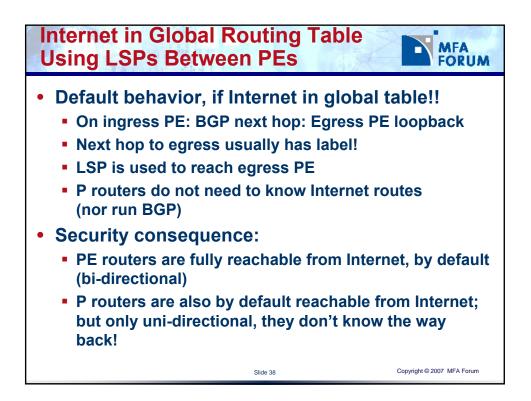


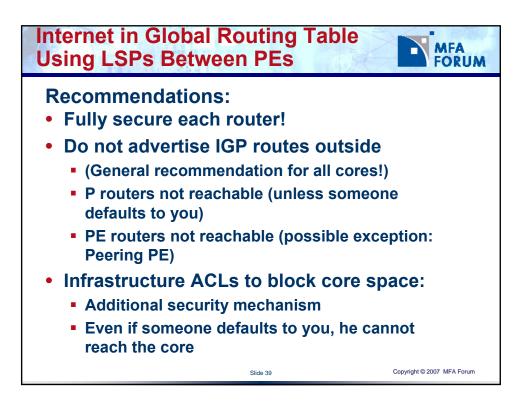


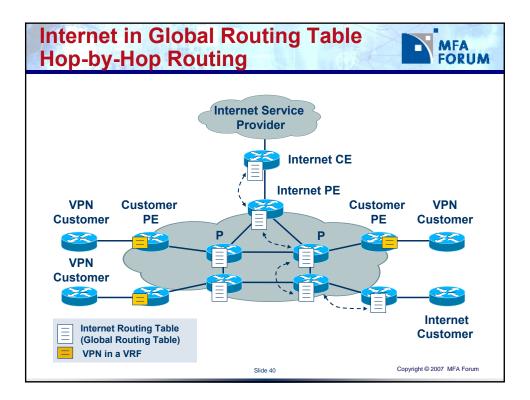


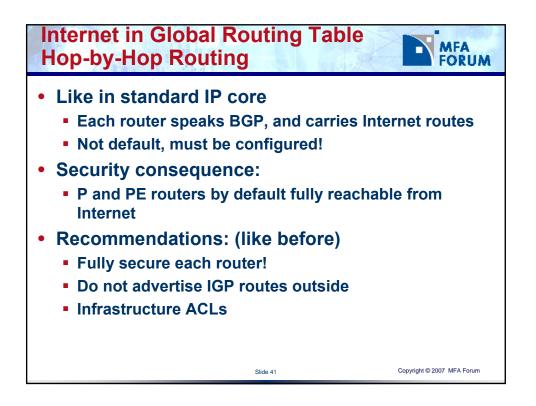


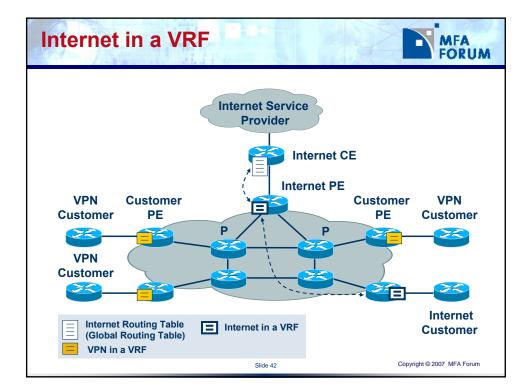


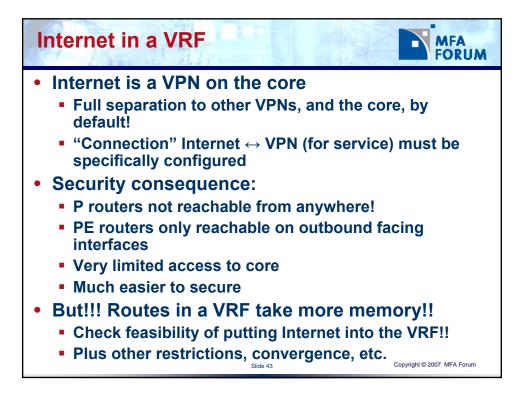


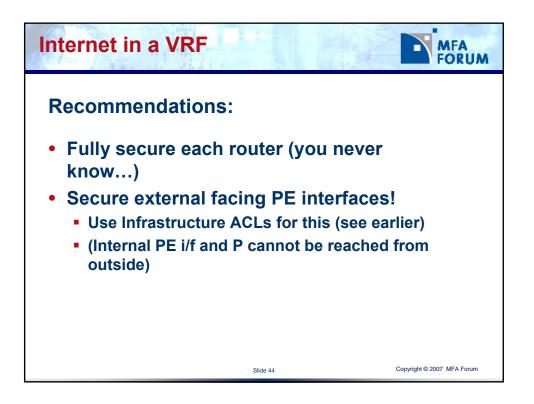


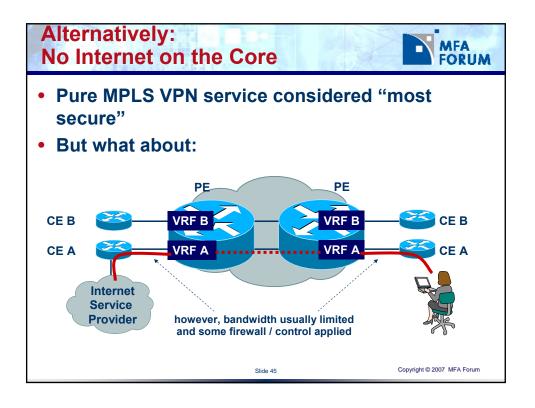


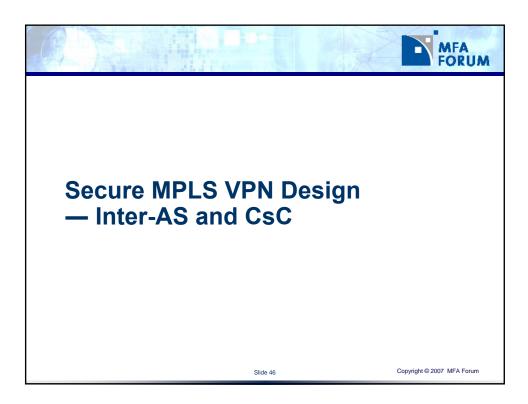


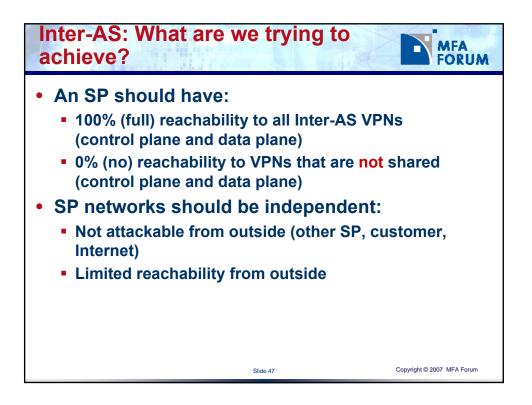


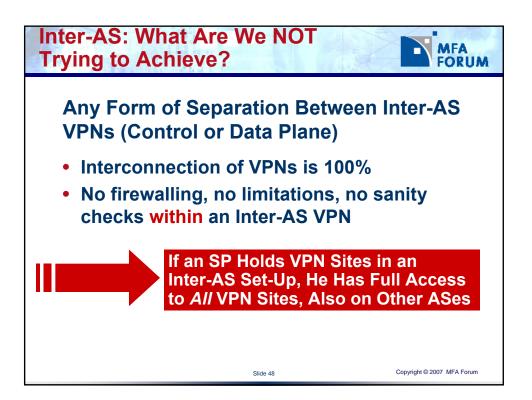


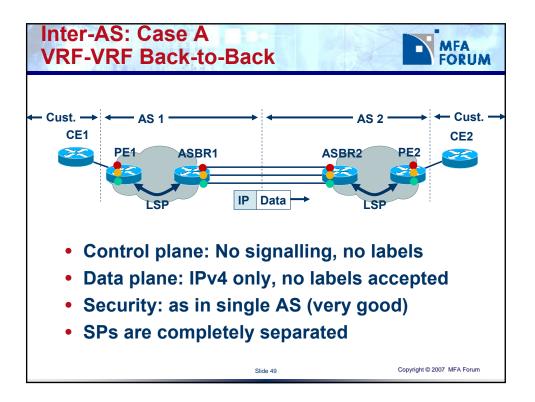


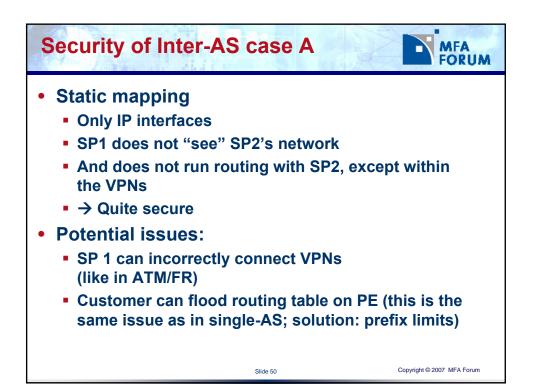


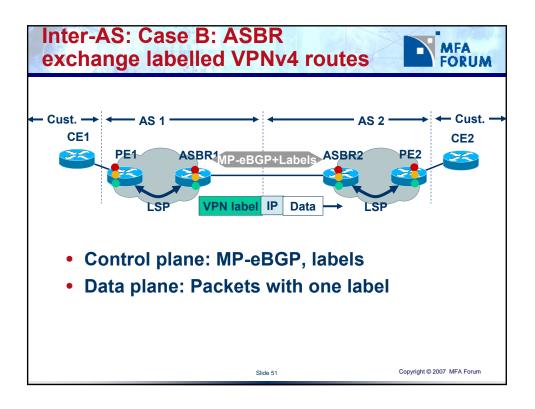


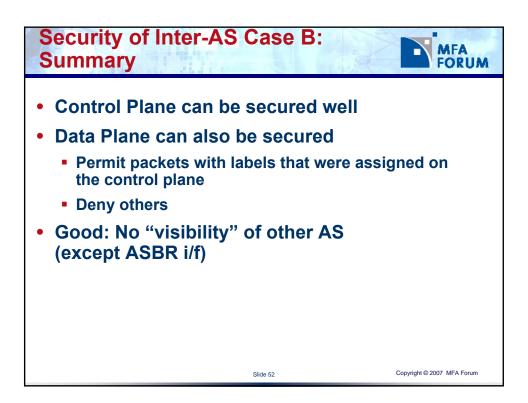


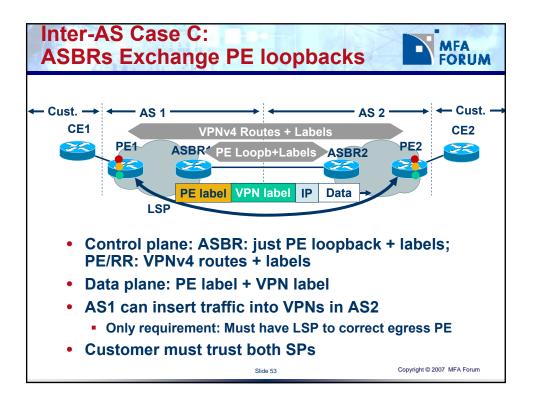


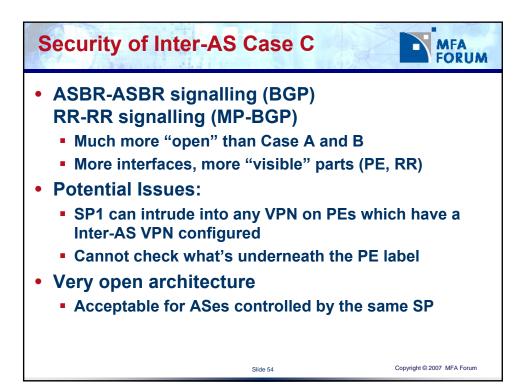


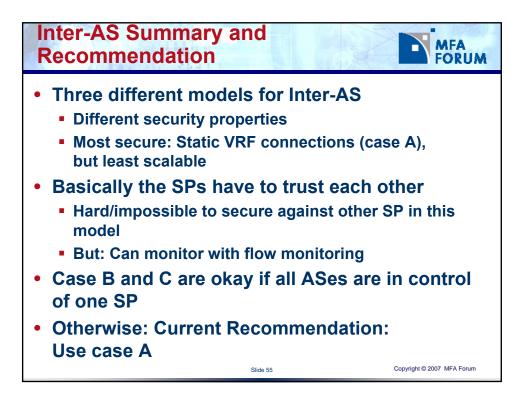


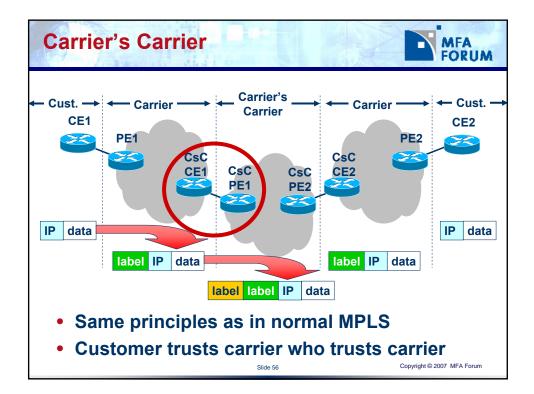


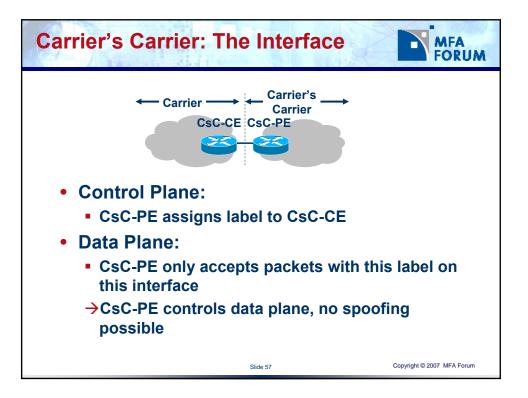


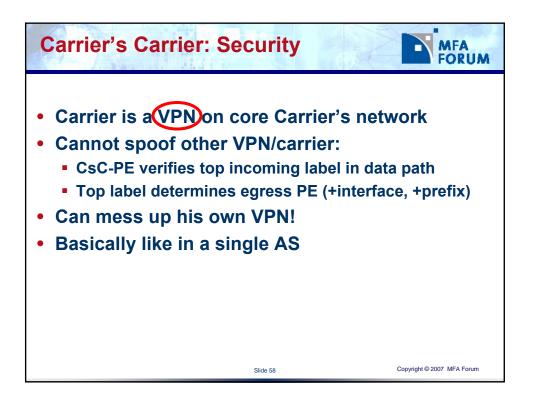


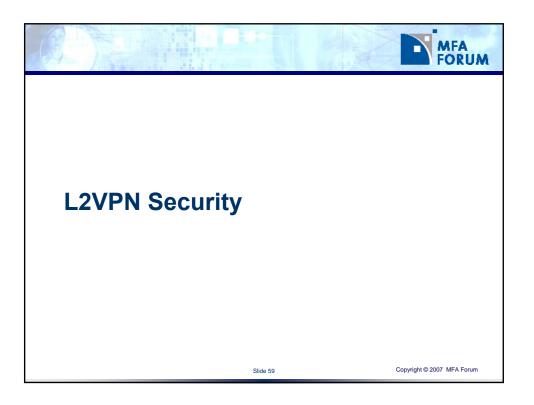


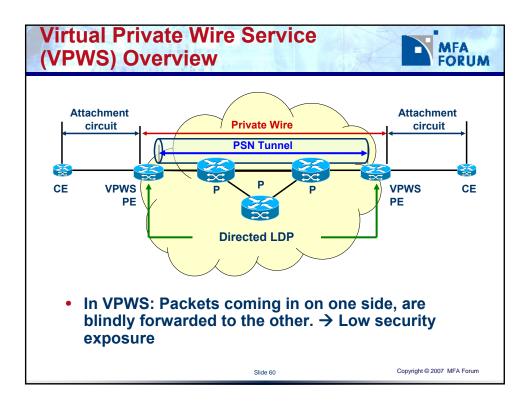


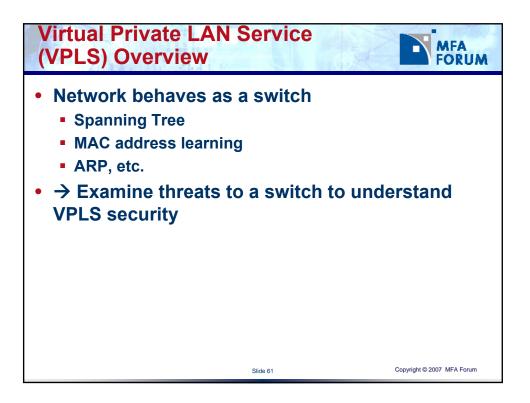














## **Best Practices for L2 Security**



- 2. Disable unused ports and put them in an unused VLAN
- 3. Use Secure Transmission when managing Switches (SSH, OOB, Permit Lists)
- 4. Deploy Port Security
- 5. Set all host ports to Non Trunking
- 6. ALWAYS use a dedicated VLAN for Trunk Ports
- 7. Avoid using VLAN 1
- 8. Have a plan for ARP Security issues and implement it!!!
- 9. Use SNMP V3 to secure SNMP transmission
- 10. Use STP Attack mitigation
- 11. Use MD5 Authentication for VTP
- 12. Plan for and implement DHCP Attack mitigation
- 13. Use Private VLAN's to better secure guest VLAN's
- 14. Use and implement 802.1x to protect entry into your network
- 15. Consider using VACL's to limit access to key network resources...

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