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The Privacy Rule: Mandated Encryption Requirements









Benefits of GET VPNs

Group Encrypted Transport is a mechanism that encrypts data instead of the tunnel over intelligent networks

Previous Limitations	GET Benefits
Multicast traffic encryption was supported through IPsec tunnels: – Not scalable – Difficult to troubleshoot	Encryption supported for Native Multicast and Unicast traffic with GDOI – Allows higher scalability – Simplifies Troubleshooting – Extensible standards-based framework
Overlay VPN Network – Overlay Routing – Sub-optimal Multicast replication – Lack of Advanced QoS	 No Overlay Leverages Core network for Multicast replication via IP Header preservation Optimal Routing introduced in VPN Advanced QoS for encrypted traffic
Full Mesh Connectivity – H and S primary support – S to S not scalable	Any to Any Instant Enterprise Connectivity – Leverages core for instant communication – Optimal for Voice over VPN deployments

















Partner Customer #1

- Service Provider:
 - -Provide Managed Encryption Services to subscribers
 - -Increase Services Portfolio

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Partner Customer #3

Banking:

Large National US Bank has MPLS network. Concerned about security:

-Compliance: Need to comply with SOX, Payment Card Industry (PCI) regulations. Visa rules state that if more than one carrier is used for MPLS, they must encrypt.

-Concern for provisioning errors: confidential customer data can be leaked; customers would have to be notified and fines would be levied

- Management: Not encrypting today because of management complexity





