

VSPEX WITH SILVER PEAK

Ensuring Replication over Distance

ESSENTIALS

Remote Replication Challenges

Distance, limited bandwidth, and quality of WAN connection all affect replication performance and customers' ability to meet their RPOs (Recovery Point Objectives)

VSPEX with Silver Peak

VSPEX enables customers to deploy a Proven Infrastructure faster, without risk and the complexity of the traditional build your own approach. Silver Peak Replication Acceleration has been validated on VSPEX to solve the challenge of improving replication performance over the WAN

Simple

- Easily deployed with EMC RecoverPoint – usually in under 1 hour

Efficient

- Use existing WAN infrastructure to meet replication objectives – without having to upgrade and regardless of distance

Flexible

- As performance requirements increase, easily upgrade via simple license upgrade

CHALLENGE: REPLICATION OVER DISTANCE

EMC RecoverPoint provides a solid foundation for an organization's data protection strategy, maintaining a continuous image of an application's data transactions – locally and at up to 4 remote locations. However, WAN conditions including limited bandwidth, congestion, latency, and dropped packets can all impede remote replication processes or prevent them from happening entirely. These issues can also increase WAN infrastructure and support costs, which have a significant impact on the total cost of ownership (TCO) for offsite data protection.

THE SOLUTION: SILVER PEAK REPLICATION ACCELERATION FOR RECOVERPOINT

Silver Peak replication acceleration software has been proven on EMC VSPEX to address the many challenges that customers face when replicating over long distances. When combined with VSPEX for RecoverPoint, customers can meet their RPOs regardless of WAN bandwidth, distance to remote locations, or quality of WAN (i.e. MPLS or IP/VPN).

Silver Peak's Virtual Acceleration Open Architecture (VXOA) software provides the following advantages when deployed in conjunction with the VSPEX with RecoverPoint solution:

- **Extend replication distance** by minimizing transport protocol chattiness over the WAN. With Silver Peak and VSPEX for RecoverPoint, source/target arrays can be placed anywhere, ensuring business needs are not hampered by network limitations.
- **Prioritize replication traffic and guarantee bandwidth**, so that voice, video, data and replication traffic can all coexist on one converged network. Silver Peak also complements RecoverPoint with traffic shaping techniques that guarantee available bandwidth for replication traffic.
- **Fix WAN quality issues like dropped/out of order packets** so replication can be placed on low cost WANs, like MPLS and Internet VPNs rather than expensive, dedicated WAN links.
- **Maximize available bandwidth through byte level deduplication and compression**: Silver Peak complements the deduplication in RecoverPoint by looking for recurring data patterns within data blocks and matching patterns across all applications sharing the WAN– not just RecoverPoint data.



- **Secure data in transit** using IPsec encryption
- **Simplify deployment and troubleshooting** with real-time dashboards that collect and display network conditions and monitor the performance of EMC replication traffic over the WAN.

ABOUT SILVER PEAK

Silver Peak Systems is the leader in data center WAN optimization solutions that maximize WAN performance while minimizing WAN costs. Silver Peak software accelerates data movement between data centers, remote offices and the cloud. Silver Peak's WAN optimization solution is a strategic enabler for large IT initiatives, including data center consolidation, data migration, disaster recovery, server centralization, and desktop virtualization. Silver Peak is resold globally by EMC as part of EMC Select.

ABOUT EMC & THE VSPEX VALIDATION PROGRAM

EMC Corporation is the world's leading developer and provider of information infrastructure technology and solutions that enable organizations of all sizes to transform the way they compete and create value from their information. Information must be intelligently and efficiently stored, protected, and managed—so that it can be made accessible, searchable, shareable, and ultimately actionable. EMC creates complete information environments that are reliable, efficient, and secure.

The VSPEX Validation Program offers Independent Hardware and Software Vendors the opportunity to validate, and market joint solutions with EMC VSPEX. Through this program, the VSPEX's Partner community and their channel influence can be leveraged to reach customers around the world. Solving tomorrow's IT challenges requires technology innovation, business leadership and strong partnerships. EMC's VSPEX Validation Program enables partners to deliver solutions that complement VSPEX and drive new business growth.

CONTACT US

Together EMC and Silver Peak offer the VSPEX Solution with Silver Peak for Replication Acceleration. To learn more about this joint solution, call your EMC or Silver Peak sales representative, or visit our websites at www.EMC.com or www.silver-peak.com

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