Optimize Remote Mirroring for EMC MirrorView

EMC MirrorView and Riverbed Steelhead Appliances

EMC® MirrorView™ enables remote data mirroring, ensuring that enterprise information is protected from both system and site failure. By deploying EMC MirrorView with Riverbed® solutions, enterprises can:

• Improve their recovery point objectives and recovery time objectives (RPOs/RTOs)
• Minimize network costs by overcoming the performance constraints of the WAN
• Reduce bandwidth requirements up to 95% for disaster recovery (DR) operations
• Postpone or avoid investments in additional bandwidth
• Recover faster across the WAN or failover to a DR site

Riverbed Steelhead® wide area network (WAN) optimization solutions enable organizations of all sizes to overcome a wide range of IT and private cloud infrastructure performance bottlenecks, dramatically improving the performance of data transfers and applications worldwide.

EMC MirrorView ensures that enterprise information is protected from both system and site failures. It leverages the power of EMC CLARiiON® networked storage systems to offer both synchronous and asynchronous remote mirroring. Whether organizations mirror data around the corner or across the globe, MirrorView provides disaster recovery that protects critical data in the event of an outage.

Accelerate MirrorView Traffic over the WAN

Riverbed Steelhead appliances accelerate applications and minimize WAN bandwidth utilization through various data and protocol optimizations, enabling businesses to spend less and get more from their network infrastructure.

Steelhead appliances can save up to 95% of bandwidth required for the common enterprise workloads seen in EMC storage replication environments over traditional built-in compression offerings and shrink replication windows at the same time. Steelhead appliances also include extensive Quality of Service (QoS) capabilities to ensure that replication traffic receives the appropriate guaranteed level of WAN bandwidth. With Steelhead appliances, enterprises deploying MirrorView can:

• Overcome WAN limitations such as high latency, limited bandwidth, congestion, and/or packet loss
• Cope with data growth and send more data over the same pipe
• Replicate over long distances by optimizing storage-networking protocols
• Share bandwidth effectively between replication projects and other applications
Riverbed works closely with EMC to accelerate backup and data replication performance over the WAN and enable efficient file sharing by overcoming bandwidth and geographical limitations to achieve higher levels of data protection. Thousands of widely distributed businesses use Riverbed to make their IT infrastructure faster, less expensive, and more responsive, while EMC works with organizations around the world, in every industry, in the public and private sectors, and of every size, from startups to the Fortune Global 500 to store, protect, and leverage information.

There are challenges that companies face when provisioning a WAN infrastructure suitable for replication, especially when that infrastructure is also shared with other applications. Should WAN workloads reach increasingly high sustained and peak throughputs, chronic network congestion can lead to increased replication cycle times and compromise RTO/RPO targets. Riverbed’s WAN optimization technology enables EMC customers to achieve the goal of reducing or deferring bandwidth purchases and protecting more data with the same WAN infrastructure while meeting or exceeding RPO/RTO targets for their EMC replication deployments. Riverbed has built a repeatable, referenceable WAN optimization solution that combines the Steelhead appliance with EMC mirroring and storage solutions. The Riverbed solution dramatically accelerates mirroring and reduces bandwidth costs by removing huge amounts of repetitive data from the WAN.

An Established Business Partnership

The WAN infrastructure is a critical element of any replication solution, and Riverbed Steelhead appliances are optimized for EMC solutions. They deliver deterministic network quality to ensure the highest application performance levels and security for EMC DR solutions. EMC recently presented Riverbed with an EMC Partner Solution Award: Offering of the Year – Symmetrix. EMC Partner Solution Awards are selected based on business impact, commitment to, and leverage of EMC technology, market presence, and revenue.

Riverbed has also built a WAN optimization solution that combines the Steelhead appliance with EMC storage platforms. EMC is a member of the Riverbed Technology Alliance Program, and Riverbed is a member of the EMC Select Program, which enables EMC and its channel to resell Steelhead appliances.

The Steelhead appliances perform a number of optimizations for the data transfers, including Data Streamlining (a patented, byte-level network de-duplication method), TCP protocol optimization (addressing chattiness and overcoming latency), and a variety of adaptively tunable options for compression and data reduction. In addition to reducing WAN utilization, Steelhead appliances include extensive Hierarchical Quality of Service (QoS) capabilities to ensure that EMC traffic receives the appropriate guaranteed level of WAN bandwidth and latency.

About EMC

EMC Corporation (NYSE: EMC) 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 about EMC’s products and services can be found at www.EMC.com.

About Riverbed

Riverbed is the IT performance company. WAN optimization solutions from Riverbed liberate businesses from common IT constraints by increasing application performance, enabling consolidation, and providing enterprise-wide network and application visibility — all while eliminating the need to increase bandwidth, storage or servers. Thousands of companies trust Riverbed to deliver greater productivity and cost savings by making their IT infrastructure faster, less expensive and more responsive. Riverbed solutions are also available as managed services through select providers. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.

©2011 Riverbed Technology. All rights reserved. Riverbed and any Riverbed product or service name or logo used herein are trademarks of Riverbed Technology. All other trademarks used herein belong to their respective owners. The trademarks and logos displayed herein may not be used without the prior written consent of Riverbed Technology or their respective owners.