

OVERVIEW

Data protection is simple: take everything and copy it somewhere far enough away so that you'll have it when you need it — in an emergency. The challenge is how to do this in the most efficient and reliable way. Deploying WAN optimization solutions from Riverbed can help you protect more, recover faster, reduce risk and save money. Get the facts about how Riverbed optimizes disaster recovery across the widest range of backup mechanisms, with no changes to your software or storage now.



10 Reasons to Deploy WAN Optimization for Disaster Recovery (DR)

10. Eliminate Backup in Branches. By effectively leveraging the wide area network (WAN) for backup or replication of data in branch offices, you can save on the hardware, software, and administrative costs of local backup, tape duplication, and manual offsite transportation of tapes.

9. Reduce Costs. Data streamlining deduplicates WAN traffic, reducing disaster recovery bandwidth requirements by up to 95%, cutting your network costs significantly. Also the elimination of branch backup brings massive savings for every office.

8. Reduce Administrative Overhead. Using the WAN as your data transport mechanism instead of tapes provides automated, reliable DR operations. No more time wasted in the shuffling of tapes by IT staff (or non-IT staff for that matter!).

7. Reduce Security Risk. Eliminating tape transport and encrypting WAN traffic, coupled with centralized storage and role-based administration, makes passing industry and government regulatory audits much, much easier. No headline news about loss of your confidential information.

6. Protect More Data. By accelerating replication and backup up to 45x faster across the WAN, you can now cover not just mission-critical data, but ALL the data across your enterprise, while easily making your backup windows. This includes mobile workers laptops too.

5. Protect More Often. Faster DR on the WAN also translates into great improvements in your recovery point objective (RPO), reducing the amount of time and data that could have been lost since your last backup.

4. Recover Faster. Restore data across the WAN instantly instead of waiting for backup tapes to be found and delivered for an improved recovery time objective (RTO). Or better yet, have all your data staged and ready to go in your remote DR site. Even improve business continuity by having employees working productively from remote or temporary locations after a site disaster.

3. Centralize Storage or Move it to the Cloud. Whether you choose public or private cloud storage, enjoy the resilience and economies of scale for reduced costs and fast access from anywhere.

2. Make the Most of Your Storage Investment. Get more from your current storage hardware and software, and have the confidence of knowing that the solutions have been qualified and certified for use with Riverbed®.

1. Have Your DR operations Play Nice with Your Business Apps. Use powerful quality of service (QoS) capabilities to match your priorities, whether you want replication to take precedence over other WAN traffic or vice versa, never slow things down.

“We were quite surprised when one day our backup process took 25% of its usual time. We made no changes to our software – the Steelhead appliances just started working right away.”

*— Pete Kinhead, Director of IT
Mercury Interactive*

Summary

Un-optimized wide area network-based approaches to data backup are naturally limited by the performance of the WAN. Bandwidth limitations and network latency can make backup take much longer than desired. For large remote offices with significant datastores, this can make WAN-based backup impossible without significant costly WAN bandwidth upgrades.

“Backup and replication was one of our top priority applications. Backup of remote filers now takes roughly 6 to 8 hours, instead of 24 hours.”

— *Pete Kinkead, Director of IT
Mercury Interactive*

By overcoming bandwidth limitations and optimizing transfers to overcome network latency, Riverbed Steelhead appliances have successfully enabled and facilitated network-based backup approaches in the most demanding customer environments. Riverbed technology dramatically optimizes common network-based approaches for backing up large amounts of data in your distributed enterprise.

Riverbed accelerates the transfer of data over the WAN for backup and data migration purposes, allowing backup and replication to be 5x, 50x, or even 100x faster. Through its revolutionary WAN optimization technology, Riverbed delivers the following capabilities:

- Enables centralized, disk-to-disk backup strategies that simplify remote office backup and data center replication
- Reduces backup windows and transfer times to maximize application availability
- Effectively increases WAN capacity by detecting and avoiding the transfer of repetitive data patterns over the WAN
- Boosts performance to fully-utilize high-speed WAN links

Riverbed optimizes data transfers over any backup product used to perform the data replication, providing unlimited ease and flexibility for enterprises. In fact, Riverbed has partnered with many of the most popular storage and backup software providers to ensure its products interoperate as effectively as possible. Where appropriate, Riverbed has also completed formal certification or qualification processes with its partners to provide compatibility with enterprise-class backup and data protection products from vendors such as:

- | | | |
|----------|-------------|--------------|
| • EMC | • Hitachi | • Dell |
| • NetApp | • HP | • DoubleTake |
| • IBM | • Microsoft | • Commvault |

Riverbed’s unique combination of technologies can facilitate your current network-based backup and data replication strategy or ease your transition to a cloud-based data protection strategy.

About Riverbed

Riverbed Technology is the IT performance company. The Riverbed family of wide area network (WAN) optimization solutions liberates 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 with distributed operations use Riverbed to make their IT infrastructure faster, less expensive and more responsive. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.



2005, 2006, 2007, 2008, 2009



Riverbed Technology
199 Fremont Street
San Francisco, CA 94105
Tel: +1 415 247 8800
Fax: +1 415 247 8801
www.riverbed.com

Riverbed Technology Ltd.
Farley Hall, London Road
Binfield
Bracknell
Berks RG42 4EU
Tel: +44 (0) 1344 401900

Riverbed Technology Pte. Ltd.
391A Orchard Road #22-06/10
Ngee Ann City Tower A
Singapore 238873
Tel: +65 6508-7400

Riverbed Technology K.K.
Shiba-Koen Plaza Building 9F
3-6-9, Shiba, Minato-ku
Tokyo, Japan 105-0014
Tel: +81 3 5419 1990

© 2010 Riverbed Technology. All rights reserved. Portions of Riverbed’s products are protected under Riverbed patents, as well as patents pending. Riverbed Technology, Riverbed, Steelhead, RiOS, Interceptor, Think Fast, the Riverbed logo, Mazu, Profiler, Atlas and Cascade are trademarks or registered trademarks of Riverbed Technology. All other trademarks used or mentioned herein belong to their respective owners.