BOX AND RIVERBED – OPTIMIZING COLLABORATION AND PRODUCTIVITY FOR YOUR ENTERPRISE

Moving data over wide-area networks (WAN) introduces high-latency, low-bandwidth connections that can slow productivity. Riverbed and Box can enable accelerated performance over WANs to overcome geographical limitations and enable global collaboration

Introduction

Software-as-a-Service applications lower costs by eliminating management and capital expenses while enabling new capabilities with on-demand scalability. These advantages have contributed to broad adoption of SaaS, but they do not change a primary concern of any application deployment – end user experience and productivity. End user experience of a SaaS application can be adversely impacted by factors outside the control of the SaaS provider, such as the network – even more so if users are accessing the application over a hybrid network of both private and public resources. Specifically, factors such as end user location, quality and performance of private networks and reliability of the public Internet can all impact the performance of SaaS applications.

Similarly, even though SaaS applications are not owned or managed directly by IT organizations, IT often has questions about what traffic is crossing their networks and how that traffic will impact the performance of the applications and services they do control.

Visibility, Control, and Optimization of SaaS Applications

Riverbed® SteelHead™ is the industry's #1 optimization solution for accelerated delivery of applications and data across the hybrid enterprise and provides the visibility, control, and optimization IT organizations need to ensure end user experience regardless of application. SteelHead provides visibility into application performance, network performance, and end user experience. SteelHead also enables control through an application-aware approach to hybrid networking and path selection based on centralized, business intent-based policies.

Combining private wide area network (WAN) and public Internet optimization, SteelHead optimizes the performance of SaaS applications up to 33X regardless of where the end user is located or which networks are used to access the cloud service.

SteelHead Benefits

- Improves application performance up to 33x faster for cloud services/SaaS applications
- Reduces bandwidth utilization by up to 97%
- Seamlessly delivers location-independent SaaS optimization for a global workforce to accommodate user, client and application mobility
- Requires no configuration changes on the cloud service provider or on the end user infrastructure, minimizing administration costs

SteelHead and Box

There are over 17,000 SteelHead customers today, many of whom are curious to see how Riverbed's market-leading application visibility and optimization solutions can optimize SaaS applications such as Box.

To provide some data and guidance, Riverbed set up a lab with the following configuration:

- 2 Riverbed SteelHead systems
- WAN simulator
- Dataset: 45.8MB of data over 11 PDF files

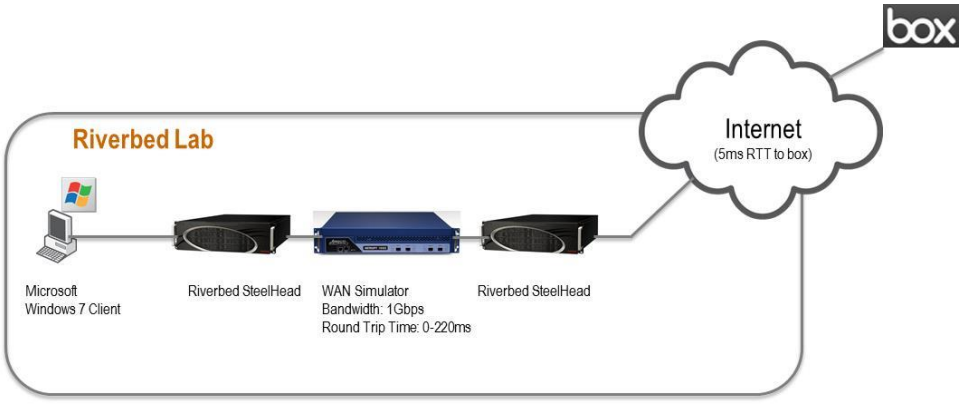

Figure 1: Riverbed Lab Configuration for Box Tests

For production environments, Riverbed provides customers flexibility to leverage SteelHead's industry leading technology within a shared colocation facility as well as through IaaS or SaaS offerings.

Riverbed tested the amount of time it took to synchronize 11 PDF documents totaling almost 46 MBs of data when copied to the Box Synchronization folder on a client system. Additionally, Riverbed measured the bandwidth required to complete this operation. The results are shown in the two diagrams below.
Time required: Seconds to download a 46 MB of data

Test Results

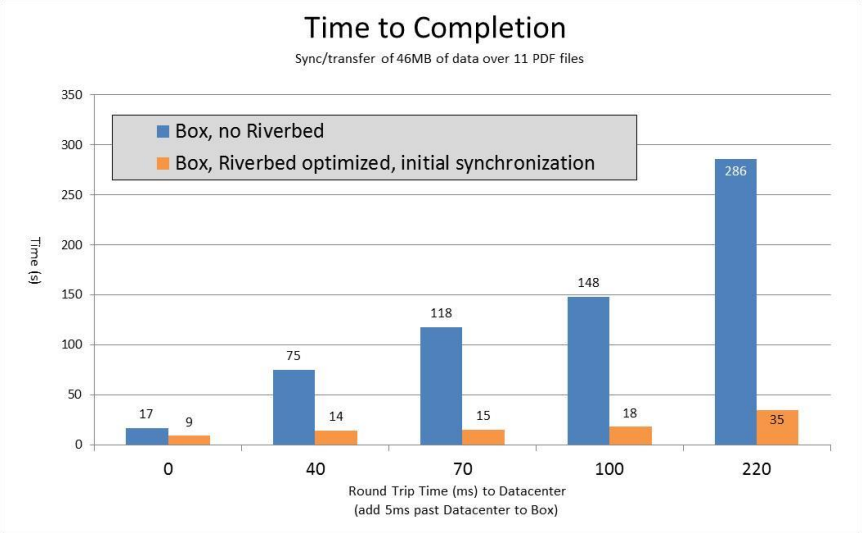

Figure 2 : Time required: Seconds to download 46 MB of data

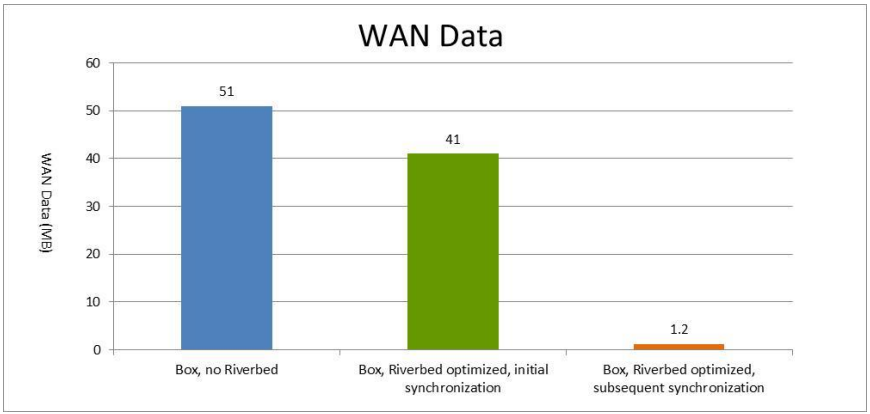

Figure 3: Bandwidth required: MBs used to download 46 MB of data

Riverbed testing indicates that SteelHead can improve the time to synchronize files by 88% while reducing the bandwidth required by up to 98%.

Optimization Use Cases

Optimization occurs for file uploads as well as downloads. In addition, SteelHead WAN optimization technology recognizes bit patterns from files that have been renamed or modified. By accelerating uploads and downloads of renamed and modified files, significantly more optimized events occur than are otherwise possible.

Specific benefits for your organization are dependent on content, use scenarios, and network conditions.

Learn More

Riverbed SteelHead delivers optimized performance up to 33x for cloud services and SaaS applications, such as Box, Microsoft Office 365, Salesforce.com, and others regardless of whether the end user is located. To learn more, please visit www.riverbed.com