

## Riverbed® Services Platform

### Virtualize branch services on Steelhead appliances for simple “branch in a box” consolidation

Consolidation and virtualization are hot trends in IT, helping organizations increase their flexibility in delivering valuable services and reduce costs. The enhanced Riverbed® Services Platform (RSP) provides customers with the capability to run up to five additional services and applications virtually on VMware in a protected partition on the Steelhead® appliance. This revolutionary approach allows customers to deploy local services in all their branch offices without the need to deploy and maintain full-blown servers to run the applications. The business benefits are minimizing the hardware needed at the branch office, enabling companies to consolidate IT operations even further, reducing costs, and simplifying administration, all while still delivering high quality local services. Combine RSP with the WAN optimization features of Steelhead appliances to achieve an efficient “branch in a box” solution.

### IT Consolidation at the Edge

Organizations have widely implemented IT infrastructure consolidation measures to reap many of the well known benefits: simplified management, lower costs, and improved data protection and resource utilization. Despite these efforts, there are still essential “edge” services such as printing, DNS, DHCP and File Services that defy many central consolidation efforts. The RSP now allows organizations to run these services on the Steelhead appliance, so organizations can eliminate these now unnecessary servers to further reduce hardware, software, and maintenance costs and IT complexity.

### Game-changing Architecture

The RSP is uniquely suited to branch office server consolidation and virtualization. The Steelhead appliance is the only wide area network (WAN) optimization device to run industry leading technology from VMware as the virtualization platform, taking advantage of the skills companies already have in house. Virtual servers run in a protected zone and do not impact the resources needed for peak Steelhead appliance operations. The RSP also enables customers to run up to five different virtual machines at once, eliminating many more servers from the branch office. And, the RSP runs on most Steelhead appliance models, enabling customers to benefit without having to replace their previous investments in Riverbed.

### Overview

With the revolutionary RSP, IT can simplify the management of their distributed infrastructure even further. The ability to run best-of-breed software on Steelhead appliances eliminates the requirement for dedicated servers in remote branch offices enabling an additional layer of server consolidation. The benefits to customers are additional cost savings, a better return on investment for Steelhead appliances, and a reduced hardware footprint in remote offices

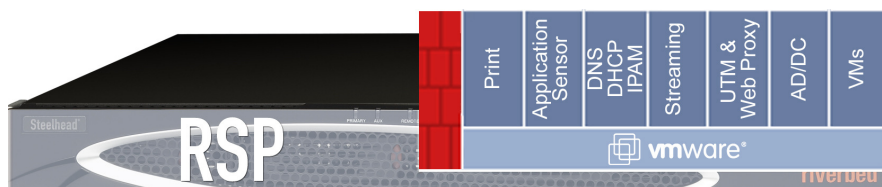


Figure 1: The RSP runs on all xx50's and 520, 1020, 1520, 2020, 3020 and 3520 Steelhead appliance models.

There are a number of features designed to make RSP even better value for customers. The RSP can be further extended by deploying Riverbed packages like the Steelhead Mobile Controller Virtual Edition on the RSP to provide mobile workers with the power of Steelhead Mobile without any additional hardware. The RSP has advanced network rules capabilities, guaranteeing that data travels in and out from the LAN or WAN in a fashion that matches the nature of the application being served. Further, the RSP includes the ability to add virtual disk space to packages to support growth without having to recreate the image. In addition, RSP also has support for iSCSI targets from a hosted windows package thus allowing our customers to extend edge storage by connecting to an iSCSI device. For higher availability, an enhanced watchdog can monitor the health of virtual machines at a set frequency, and if problems are detected it can reroute or block traffic until the service has gracefully restarted. Not least, there is no requirement that Steelhead appliances be installed inpath, as RSP works virtually inpath as well, giving you even more deployment flexibility. All these options make the RSP a great platform for your branch services.

Benefiting from the Riverbed Technology Alliance (RTA), the RSP also supports tested applications from a wide variety of category leading products, as well as any VMware virtual machine.

**RTA partners with software that can be run on the RSP**

**Microsoft** – Run Windows Server 2003 or 2008 for DNS, DHCP, Active Directory, print serving, streaming media, or file serving.

**Checkpoint** – Security Gateway R70 protects your virtual systems with the same best-of-class firewall and VPN security that you rely on for your physical network. It enables you to segregate virtual systems from each other as well as from external threats.

**Websense** - Comprehensive web filtering security in a gateway solution to protects against spyware, malicious mobile code, phishing, bots, and other threats. Also blocks spyware and keylogger communications from reaching host server and provides phishing protection.

**OPNET** – Run ACE Live for application performance management including monitoring, measurement, and detection of performance violations. Get complete visibility and reporting of all transactions and users, with detailed real-time and historical information about end user response times, utilization, route quality, and ISP performance.

**Infoblox** – Run consolidated core network services – including DNS, DHCP, IPAM, RADIUS, TFTP, NTP and others – that are critical to the operation of all IP-based networks.

**Qumu** – Run a complete video communications solution that captures and manages live and on-demand video, distributes Flash and Windows Media formats, and reduces the impact of video bandwidth consumption on your network.

**Wowza** – Run a Flash streaming media server that features an innovative server architecture that delivers unmatched performance, functionality, and scalability for efficient delivery of live and on-demand streaming video.

**Global Protocols SkipWare SCPS** – Achieve greater application performance across satellite wide area networks (WANs) while maintaining SCPS (Space Communication Protocol Standards) interoperability.

**HIGHLIGHTS**

- VMware as the virtualization platform
- Replace up to 5 physical servers with virtual machines on RSP
- Runs on most Steelhead appliance models
- Advanced network rules capabilities
- Run almost any VMware virtual machine

**About Riverbed**

Riverbed Technology is the IT infrastructure 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](http://www.riverbed.com)



**Riverbed Technology, Inc.**  
199 Fremont Street  
San Francisco, CA 94105  
Tel: (415) 247-8800  
[www.riverbed.com](http://www.riverbed.com)

**Riverbed Technology Ltd.**  
Farley Hall, London Rd., Level 2  
Binfield  
Bracknell, Berks RG42 4EU  
Tel: +44 1344 354910

**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, Bldg. 9F  
3-6-9, Shiba, Minato-ku  
Tokyo, Japan 105-0014  
Tel: +81 3 5419 1990