

McAfee Firewall Enterprise for Riverbed

Multilayer security combined with WAN optimization

McAfee Firewall Enterprise for Riverbed Features

Firewall

- Packet, stateful, and full application filtering
- McAfee AppPrism™ discovers and controls more than 1,000 applications among 31 application categories
- Network address translation (NAT)
- McAfee SecureOS® operating system
- Static and dynamic routing options

VPN

- Compatible with IPSec-compliant VPN clients
- IKEv1 and IKEv2
- DES, 3DES, AES-128, and AES-256 encryption
- SHA-1 and MD5 authentication
- Diffie-Hellmann groups 1, 2, and 5
- Policy-restricted tunnels

Web filtering

- Integrated McAfee SmartFilter® filtering and management functionality
- Block Java, Active-X, JavaScript, SOAP

Anti-spam

- McAfee TrustedSource™ global reputation service

Global threat intelligence

- McAfee TrustedSource™ global reputation service
- Geo-location filtering
- McAfee Labs™

Encrypted application filtering

- SSH
- SFTP
- SCP
- Bi-directional HTTPS decryption and re-encryption

Data center consolidation and server centralization are two top IT initiatives driven by the need to save on hardware and software costs and to minimize the IT operating expenses of the distributed enterprise. While these initiatives provide significant benefits to the enterprise, they introduce new challenges, in particular ensuring that application performance and security are maintained in this new network architecture. Connecting to a central data center across the wide-area network (WAN) introduces latency, packet loss, and throughput constraints that often affect user productivity and compliance issues. In addition, maintaining branch office security from various Internet threats, such as unwanted traffic, malware, zero-day attacks, and more, are critical. These kinds of security breaches can interrupt day-to-day operations at the branch, reducing employee productivity.

To solve these challenges, McAfee and Riverbed have partnered to deliver industry-leading WAN optimization and branch office security on a single device: the Riverbed Steelhead Appliance. The solution takes advantage of advanced technologies offered by both companies—McAfee® Firewall Enterprise and Riverbed WAN optimization products. McAfee Firewall Enterprise runs on the Riverbed Services Platform (RSP), which is a virtualized, extensible data services platform that allows customers to deploy edge services that formerly required dedicated servers as virtual appliances. Customers can deploy the McAfee Firewall Enterprise for Riverbed software directly on Riverbed Steelhead Appliances to further minimize the hardware infrastructure

footprint at the branch office, reducing both capital and operational costs.

The Most Innovative Firewall in Years

With version 8 of McAfee Firewall Enterprise, McAfee reinvents the firewall in three key ways. We combine full application visibility and control, reputation-aware threat intelligence, and multivector attack protection to improve network security while reducing effort and expense.

Today, the weakest link in network security is the application layer. Our firewall, trusted by organizations with some of the most secure environments worldwide, provides broad application discovery and control. McAfee Firewall Enterprise protects



Figure 1. Multilayer security in a single RSP package.

The Riverbed Solution

WAN acceleration benefits

- Up to 200 times throughput increase
- Port and protocol agnostic; it doesn't interfere with your existing infrastructure
- Greatly improves user productivity through reduced waiting time while accessing network applications and websites
- 20-hour backup jobs can be reduced down to a two-hour backup
- Highly distributed work environments benefit through speedy transfers of large files (architectural drawings or online repository services, for example)

McAfee Software Models

- McAfee Firewall Enterprise for Riverbed—250/550
- McAfee Firewall Enterprise for Riverbed—1050/2050



new and existing Web 2.0 applications from the risks of data leakage, network abuse, and malicious attacks. McAfee AppPrism technology coupled with our global threat intelligence can help ensure that unwanted applications never enter your network or impact your resources.

Key Advantages

- Reducing total cost of ownership:
 - » Branch office box consolidation to deliver lower capital and operating expenditures
- Reducing WAN costs with secure deployment flexibility:
 - » Use low-cost Internet connections with split tunneling deployments
 - » Secure both corporate-bound and Internet-bound applications

- Improving security posture and operational efficiency:
 - » Predictive, proactive, real-time protection also reduces unwanted traffic
 - » Application and identity controls deliver efficient policy management and visibility
 - » Block and control application-level threats

Flexible Deployment Options

McAfee Firewall Enterprise for Riverbed can be deployed for use on Riverbed Steelhead Appliance models 250, 550, 1050, and 2050. These different models allow you to properly size the right solution for your branch office, regional office, headquarters, and even your data center. For large data centers, standalone McAfee Firewall Enterprise appliances may also be deployed, depending on performance and high-availability requirements.

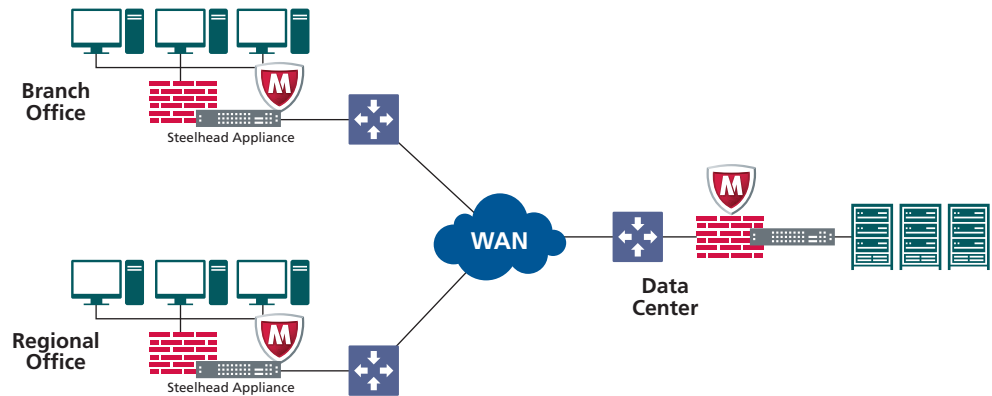


Figure 2. Sample deployment of McAfee Firewall Enterprise for Riverbed.

Riverbed Steelhead Model Specifications



Riverbed Steelhead Appliance model	250	550	1050	2050
Maximum number of users*	28	85	328	857
WAN capacity	2 Mbps	4 Mbps	10 Mbps	45 Mbps
Maximum TCP connections	200	600	2,300	6,000
Form factor	Desktop	Desktop	1U	1U
Raw capacity	120 GB	160 GB	500 GB	1 TB
Data store capacity	40 GB	80 GB	200 GB	400 GB
RSP partition	55 GB	55 GB	200 GB	75 GB
RAM	1 GB	2 GB	4 GB	6 GB
Onboard bypass ports (copper)	2	2	4	4
Maximum number of bypass ports	2	2	8	8

* The maximum number of users assumes a maximum of seven TCP connections per user.



McAfee, Inc.
3965 Freedom Circle
Santa Clara, CA 95054
888 847 8766
www.mcafee.com

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