riverbed®

Riverbed® Interceptor® 9350

Scale Steelhead Appliance Deployments up to 40 Gbps Throughput and 1,000,000 Connections

The Riverbed Interceptor appliance extends the performance capabilities of Steelhead appliances to satisfy the requirements of very large data center environments. This enables customers to scale their WAN optimization solutions to support hundreds of thousands of end users across an enterprise as well as very high bandwidth connections into the data center by clustering groups of Steelhead appliances to work together seamlessly. Further the Interceptor appliance can greatly simply the network set up while offering an even wider range of high availability configurations for when WAN optimization becomes a critical part of the IT infrastructure.

BENEFITS

➢ Increased scalability to accelerate more users and applications in high bandwidth environments

➢ Simplified deployment of appliances in very large datacenters

➢ High Availability configurations to keep WAN optimization running

Feature Summary

Scalability

- Cluster up 25 Steelhead appliances
- Up to 1,000,000 concurrent connections
- Up to 16 Gigabit Ethernet ports (SX & LX)
- Up to four 10 Gigabit Ethernet ports
- Ether-channel support

High Availability

- Real-time cluster management
- Failover support
- Link state propagation

Configuration and Management

- Familiar RiOS user interface
- Variable and Auto Connection Distribution
- QoS compatible

Platform

- 3U rack mount chassis
- Triple redundant power supplies

Feature Details

Up to 1,000,000 concurrent connections. Interceptor appliances enable large numbers of Steelhead appliances to work in parallel, optimizing up to 1,000,000 connections. The Interceptor supports in-path configurations over a single interface as large as a 6 Gbps ether-channel trunk.

Up to sixteen 1 Gigabit or four 10 Gigabit Ethernet ports. Interceptor appliances can be configured with a choice of 1 or 10 Gigabit Ethernet ports to provide maximum scalability on networks with multi-router ingress/egress.

Ether-channel support.   Interceptor appliances provide ether-channel support to expand bandwidth capacity in a variety of combinations to suit any environment. One 6Gbps interface, one 4Gbps and one 2 Gbps interface, or three 2Gbps interfaces are all supported.

TCP Connection Forwarding. Very large environments with asymmetrically-routed networks can employ Connection Forwarding technology between appliances to ensure connection continuity. Connection Forwarding works with up to 20 Interceptor appliances in single or failover mode.

Real-time cluster management. The Interceptor allows real-time addition, modification, or removal of Steelhead appliances in a connection distribution group, with no disruption to operations in progress.

High availability deployment options. Interceptor appliances provide high availability for continued optimization operations in the event of a hardware failure. Configurations include: in series, in parallel, in quad and with multi-inpath clustering, and optional "fail to block" to close a non-optimizing route to traffic, forcing data to fully functional appliances.

Link-state propagation. To ensure consistency throughout networking monitoring systems, Interceptor appliances will propagate a link state change to an opposing network device.

Peering control. Interceptor appliances have fine grained control of what traffic gets optimized and how through the configuration of load balancing rules. This can be implemented in probe or non-probe modes, or by IP address.

Connection tracing. Interceptor appliances can support up to 10 rules tracing up to 1000 connections to assist in debugging networking issues. The traces record a list of events including load balancing and optimization activities.

Full transparency support. Interceptor appliances are automatically enabled to work with the Full IP Address and Port Transparency feature in Steelhead appliances for environments that require more visibility into their network traffic.

Automatic Intelligent Connection Distribution. Interceptor appliances provide several means of distributing connections between Steelhead appliances in a cluster group, including algorithms for connection allocation based on source IP address, destination IP address, destination port, or the VLAN routing the connection, with the option of taking into consideration the size of the local and remote Steelhead appliances. In the absence of custom rule sets, the Interceptor will dynamically determine the least-loaded Steelhead appliances to which it will direct traffic.

QoS compatible. Interceptor appliances honor all QoS markings (DSCP and IP Precedence) on traffic it optimizes, ensuring that priority traffic reaches its destination first.
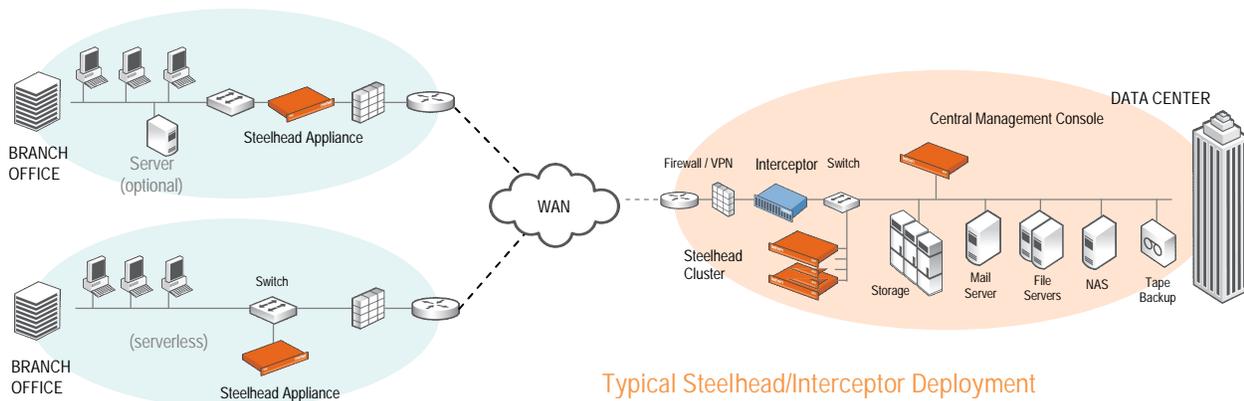
Typical Steelhead/Interceptor Deployment

About Riverbed

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.