

Steelhead Mobile Solution

Riverbed® extends the benefits of its award-winning WDS technology to any individual PC, including mobile workers, temporary locations, and very small offices.

Riverbed's Steelhead Mobile, based on the award-winning wide-area data services (WDS) technology, delivers LAN-like application performance to any employee, regardless of location. Employees on the road, working from home or connected wirelessly in the office can now experience performance improvements up to 100x. File transfers that once took up to an hour can now be accomplished in a couple of minutes or seconds. The software is easy to install and manage with no user intervention required.

Steelhead Mobile extends virtually the same functionality found in Riverbed's award-winning Steelhead appliances to mobile workers everywhere.

Data Streamlining

Data deduplication. Riverbed's patented method of scalable data referencing (SDR) uses disk and memory based data reduction to remove 60 – 95% of the data moving over the WAN.

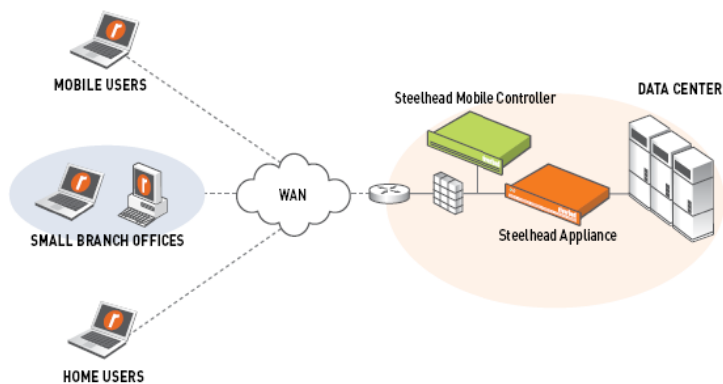
Compression. Data that must be sent over the WAN is automatically compressed in order to minimize bandwidth utilization.

Transport Streamlining. Window sizing. Enables automatic window scaling across the WAN to Steelhead Mobile clients without requiring the user to make any changes to client machines, servers, or their network connection.

Connection pooling. Connection pooling enables Steelhead Mobile to maintain a pool of open connections at all times. When a client makes a request that requires a new TCP connection, the software can use an already opened connection instead of incurring the overhead associated with opening a new connection.

Limited and fast retransmits. Using RFCs 3042 and 2582, Steelhead Mobile can enable client machines to recover quickly in the event of a lost packet, avoiding any costly retransmission timeout.

TYPICAL STEELHEAD MOBILE SOFTWARE DEPLOYMENT ARCHITECTURE



Product Datasheet



WAN Optimization – Riverbed RiOS 3.0



Riverbed's Steelhead Mobile delivers leading-edge application acceleration to mobile workers wherever they connect to the network.

Providing support for the broad range of applications that enterprises use the most, Steelhead Mobile enables remote workers to collaborate and access applications as if they were in the office.

Steelhead Mobile helps eliminate performance problems caused by bandwidth constraints, latency, or application protocol inefficiencies, resulting in enhanced user productivity and satisfaction.

With Steelhead Mobile, data moves faster, applications perform seamlessly, and remote workers are no longer "remote".



Product Datasheet

Application Streamlining

CIFS. Microsoft file sharing, Office applications, and numerous third-party applications benefit from Steelhead Mobile's ability to reduce application chattiness over the WAN. Typically 65% to 98% of packet roundtrips are eliminated all together, enabling acceleration of up to 100x faster.

MAPI. Microsoft Exchange emails as well as their attachments are dramatically accelerated. Riverbed is unique in its advanced support of MAPI and MAPI 2K3, providing impressive speeds to sending even the largest email.

HTTP. Steelhead Mobile enables Web-based applications to operate more effectively from any location.

Management Streamlining

Transparent deployment. Steelhead Mobile can be deployed in a fully-transparent mode, where users have no access to the Steelhead Mobile interface. In any mode, Steelhead Mobile is transparent to network connections, servers, VPN clients, and other software packages.

Robust support. Steelhead Mobile provides a number of tools for supporting deployments, such as email alerts, SNMP triggers, diagnostic snapshots, detailed logging, and more.

Central control and monitoring. With the Steelhead Mobile Controller, IT administrators have a single resource to manage deployments, upgrades, policies, and reporting. The Steelhead-Mobile Controller also manages licensing, and is a required component of the system.

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, and Vista clients supported
Data Store	1 GB free disk space
RAM	512 MB
Processor	Celeron 1.5 GHz
Steelhead Mobile Controller is required for deployment, licensing, and management	

SPECIFICATION

COMPATIBILITY

- Full feature compatibility with Steelhead Mobile clients version 1.0 or higher

WEB BROWSER SUPPORT

- Most major browsers running current versions
- SMC has been tested with Mozilla and Internet Explorer

PLATFORM

- 1U rack mount chassis

NUMBER OF STEELHEAD MOBILE CLIENTS MANAGED

- SMC-8500: Includes 30 concurrent users
- SMC-LIC-10: 10 concurrent users
- SMC-LIC-25: 25 concurrent users
- SMC-LIC-100: 100 concurrent users
- SMC-LIC-250: 250 concurrent users
- SMC-LIC-500: 500 concurrent users
- SMC-LIC-1000: 1000 concurrent users
- SMC-LIC-2000: 2000 concurrent users
- SMC-LIC-5000: 5000 concurrent users
- SMC-LIC-10000: 10000 concurrent users
- SMC-LIC-20000: 20000 concurrent users
- SMC-LIC-50000: 50000 concurrent users

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