

---

# SteelHead CX/GX

---

## Visibility, Optimization and Control for the Hybrid Enterprise

Today, Riverbed® SteelHead™ delivers not only best-in-class optimization—but essential visibility and control as companies transition to the hybrid enterprise.

The Riverbed SteelHead CX/GX solution accelerates the performance of all applications including on-premise, cloud, and software-as-a-service (SaaS) across the hybrid WAN for organizations that want to deliver the best end-user experience.

The solution is engineered for seamless network integration into remote sites, data centers, and private and public clouds with scalable performance designed to support a growing number of users, devices, and data.

SteelHead comes in a variety of form factors/ models, including appliances, virtual software, and cloud instances.

SteelHead CX is available as a virtual solution on VMware vSphere, Microsoft Hyper-V and KVM. With SteelHead CX for Virtual, you can deliver application performance improvements while leveraging the scalability and cost benefits of virtualization.

Built for public cloud environments, such as Amazon Web Services (AWS) and Microsoft Azure, SteelHead CX for Cloud extends optimization, visibility, and control to Infrastructure-as-a-Service (IaaS) clouds. SteelHead CX is certified for Microsoft Azure.

## Business Challenge

The traditional enterprise has evolved into a hybrid one with people, apps, and data everywhere. More and more business-critical applications are moving to public clouds for SaaS and to private clouds, while others remain on premise in data centers. Additionally, organizations are leveraging combinations of hybrid networks (MPLS, Internet VPN, and public Internet) for real-time application delivery to location-independent users.

IT is under continued pressure to deliver the highest level of performance while also managing the budget in a complex and evolving hybrid network. Manageability of application performance, reduced visibility, and limited control, as well as difficult migrations and complex deployments to the cloud, can challenge IT and put applications at risk for performance issues. As a result, businesses and users often experience decreased productivity.

---

## Key Benefits

### Accelerated application performance and reduced bandwidth consumption

- Increases application and data transfer performance up to 100x
- Reduces bandwidth utilization by up to 95%, thus deferring costly network bandwidth upgrades
- Increases throughput and the number of connections in a single appliance by up to 100%
- Ensures the best performance for the largest number of applications on premise, in the cloud, and for SaaS
- Delivers application acceleration in every type of cloud environment, including the majority of public cloud environments

### Integrated visibility

- Supports end-to-end network monitoring and reporting through seamless integration with SteelCentral NetProfiler
- Improves problem resolution with on demand gathering of packet data and deep packet inspection by SteelCentral AppResponse

### Enhanced control with application-aware, business intent-based policies

- Automatically derives all application path possibilities to streamline configuration when used with the SteelCentral Controller
- Dynamically selects the best application path based on application-aware, business intent-based policies, and network availability
- Leverages simplified configuration with REST API for hybrid features—path selection, QoS, and secure transport—and custom API scripts for monitoring
- Utilizes streamlined QoS configuration with per-site exceptions as needed, using centralized, business intent-based policies, and application grouping
- Secures all traffic between SteelHead solutions across private and Internet links with standards-based encryption

## Key Features

### Multi-tiered optimization

- Leverages multiple optimization techniques, including data, application, and transport streamlining, as well as specifically-designed SaaS and cloud intelligence
- Improves end-user experience and reduces traffic over direct Internet connections with a fully embedded, transparent HTTP(S) proxy for local connection termination and Web object caching, including video
- Enables high-quality, rich media experiences while reducing bandwidth consumption for both live video and video on demand (VOD) with stream splitting and video caching

### Industry-leading performance

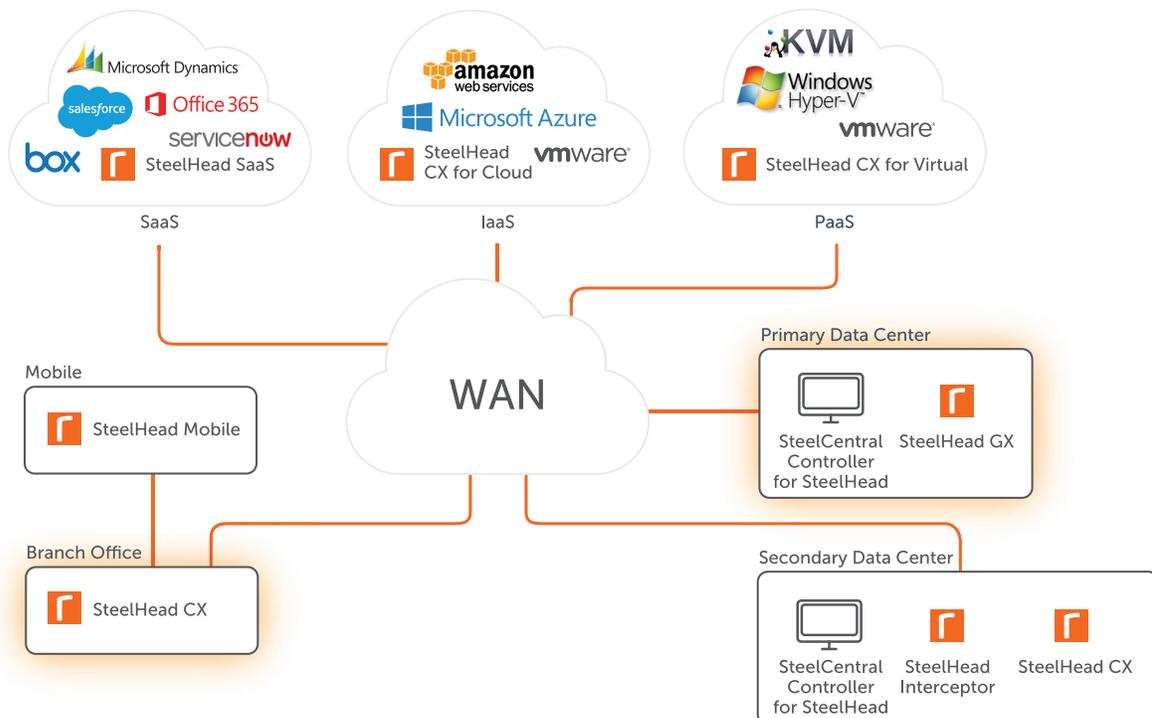
- Features the highest-capacity SSD-based optimization controller
- Includes a full range of SSD-based appliances ideal for large branch offices and data centers

### Support for large-scale deployments

- Supports up to one million connections through an intelligent, scale-as-you-grow performance architecture
- Automates migration of QoS configuration to streamline upgrades to newer versions of SteelHead

### Faster, more cost-effective disaster recovery

- Accelerates both replication and back up from the branch—or between data centers—by 10x or more
- Eliminates the need for additional bandwidth or longer backup window



---

## Learn More

Riverbed delivers not only optimization of all applications (on prem, SaaS and cloud)—but essential visibility and control across the hybrid enterprise. Riverbed SteelHead solutions support location-independent computing for organizations of all sizes. A broad Riverbed product portfolio delivers a SteelHead appliance or software for every laptop, branch office, or data center providing the highest performance for data and application acceleration, backup, replication, and recovery across the hybrid network. What's more, you can upgrade your solutions within a model family as your demand grows.

To learn more about Riverbed SteelHead solutions, including the Riverbed SteelHead CX/GX solution, please visit: [riverbed.com/SteelHead](https://riverbed.com/SteelHead).

---

### About Riverbed

Riverbed®, The Digital Performance Company™, enables organizations to maximize digital performance across every aspect of their business, allowing customers to rethink possible. Riverbed's unified and integrated Digital Performance Platform™ brings together a powerful combination of Digital Experience, Cloud Networking and Cloud Edge solutions that provides a modern IT architecture for the digital enterprise, delivering new levels of operational agility and dramatically accelerating business performance and outcomes. At more than \$1 billion in annual revenue, Riverbed's 30,000+ customers include 98% of the *Fortune* 100 and 100% of the *Forbes* Global 100. Learn more at [riverbed.com](https://riverbed.com).

The Riverbed logo consists of the word "riverbed" in a lowercase, sans-serif font. The letters are a vibrant orange color. The "i" and "e" have a small registered trademark symbol (®) at the top right.