

# VTB Bank



## VTB Bank has increased the performance of applications and employees with the help of Riverbed Steelhead

VTB Bank is a Russian commercial bank with state participation, a key element under VTB Group. It is the second largest bank in Russia in terms of assets and the first in terms of share capital size. The main activities of the bank include working with corporate clients and financial institutions, government agencies and enterprises.

After the introduction of automated workflow in all branches the bank was faced with an excessive network load, reduction of application performance and employee productivity. At that time the non-

centralised bank system included 57 servers in Moscow and 57 servers in the regions; the traffic passed through Moscow in communication between branches. The network load had been increasing with the increase in traffic, which affected the operations of business-critical applications. The implementation of Riverbed Application Performance platform allowed solving this problem.

“With the help of the Riverbed solutions we managed to decrease the volume of data transferred in all branches and data centers by 62%, thus freeing the bandwidth for the critical business and multimedia applications”, says Dmitry Nazipov, Head of Information Technology Department — Senior Vice President of VTB Bank. “This allowed improving the application performance, business operations speed and return on investment for the bank”.

### In Brief

### Challenges

- Implementation of new centralised information systems has increased the requirements for communication channels to enable good performance of business-critical applications
- Poor application performance directly influenced employee productivity

### Solution

- SteelHead™ CX appliances
- SteelHead™ Interceptor
- SteelCentral™ Controller for SteelHead™

### Benefits

- Reduction of traffic by 62% allowed the bank to optimise the operations of its information systems and reduce costs of increase of bandwidth of communication channels
- Increase in productivity of employees in branch offices
- Increase in application performance and business operations speed
- Acceleration of work via satellite links

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### Task: achieving application performance, optimal for clients and employees

VTB is a Russian bank and international financial group, the second largest bank in the country in terms of assets and the first in terms of share capital size. VTB offers its corporate clients a wide range of banking services, including remote banking, guarantee, documentary and deposit operations, stock market operations, as well as working with precious metals, etc.

With the introduction of automated workflow in all branches the bank faced a number of difficulties caused by the increase in traffic. Network bandwidth and distance led to delays in operations of business-critical applications. This, in its turn, increased costs and decreased employee productivity. The necessity to optimise and prioritize traffic between data centers and branch offices drove the company to seek a special solution for WAN-optimisation, which could optimise the performance of both the employees of the bank and its customers. At the first stage of the project, the bank evaluated several vendors, who were considered market leaders by the leading analytical agencies. After objective testing, the IT team opted for a system of traffic optimisation and application acceleration demonstrated in the Riverbed SteelHead solution. At the second stage of the project they determined optimal settings for the implementation and deployment of solutions in the entire branch network of VTB. The implemented solution, providing

high reliability and business continuity, included Riverbed Interceptor for load balancing and scalability, SteelHead CX for optimising application performance and Riverbed CMC, the traffic management system.

### Solution: application streamlining with Riverbed SteelHead

One of the most important functions of SteelHead for VTB Group is application performance optimisation, as well as the ability to select the optimal path for accelerating applications anywhere through the use of technologies of deep packet inspection (DPI). All the required goals were achieved and in particular, VTB Bank measured tangible results of application performance optimisation — the network load decreased by 62%. This allowed freeing up of bandwidth for critical business and multimedia applications. The implementation of Riverbed solutions was carried out in timely manner and the results obtained during the testing phase had been achieved after the full introduction of solutions.

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## Results: high performance, optimal conditions for employees' working experience, savings

Riverbed SteelHead solutions helped VTB Bank to optimise application performance, ensure rapid delivery of information across the network and overcome the limitations set by the response time and the geographical location of branches.

Riverbed experts and partners supported the entire process of setting up and implementing the solution. The team continues working on developing joint projects and initiatives, which might be interesting and relevant both for the IT department and the business units of the bank in the future.

Riverbed solutions allowed VTB Bank to optimise their communications with key information systems. "The most important result for us is business application acceleration. It increases employee productivity, speed and convenience of working with centralised applications", notes Dmitry Nazipov.

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### About Riverbed

Riverbed, at more than \$1 billion in annual revenue, is the leader in application performance infrastructure, delivering the most complete platform for the hybrid enterprise to ensure applications perform as expected, data is always available when needed, and performance issues can be proactively detected and resolved before impacting business performance. Riverbed enables hybrid enterprises to transform application performance into a competitive advantage by maximizing employee productivity and leveraging IT to create new forms of operational agility. Riverbed's 27,000+ customers include 97% of the Fortune 100 and 98% of the Forbes Global 100. Learn more at [riverbed.com](https://riverbed.com)

The Riverbed logo consists of the word "riverbed" in a lowercase, bold, orange sans-serif font.