

Transforming Financial Service Networks with VeloCloud® SD-WAN

“We chose VeloCloud because it matched the needs and criteria defined by the organization, like increased bandwidth and ease of implementation. VeloCloud gave us peace of mind during the testing phase as the VeloCloud SD-WAN solution proved to be the reliable solution we were seeking, thanks to VeloCloud’s superior architecture and technology.”

– **Leader of Branches and ATM’s Connectivity Area of a Global Financial Institution**

Financial institutions are looking for ways to innovate as the industry moves towards the future with new technology and services. Customers increasingly put a premium on efficient, easy-to-use mobile banking experiences and reliance on legacy networks has led to rising challenges with network connectivity and cybersecurity threats. This makes it costly and difficult to deliver a modern customer experience and puts personal data and funds at risk of DDoS or ransomware attacks.

To address these challenges, financial institutions must future-proof their IT infrastructure to deliver secure, cloud-based solutions that will support the ongoing shift toward digital transformation. They are embracing software-defined WAN (SD-WAN) technology to simplify network infrastructure, optimize connectivity to cloud resources, and protect customer data.

Digital transformation empowered by VeloCloud® SD-WAN

VeloCloud SD-WAN enables financial institutions to achieve their digital transformation goals with market leading network connectivity and integrated security capabilities. Organizations can simplify branch deployment with an on-demand, distributed network of Cloud Gateways as well as deliver seamless customer experiences and services with optimized, direct access to cloud resources.



Figure 1: VeloCloud SD-WAN Service

The solution helps improve application performance while also meeting the challenges of providing security for distributed app environments by provisioning firewall, web security, and traffic segmentation, all from a single platform.

Grow your branch network

- Quickly provision remote branches in minutes with zero IT touch and cloud activation.
- Ensure your branch network is aligned to your business policies with centralized, cloud-based VeloCloud SD-WAN.
- Monitor and manage your WAN network across hundreds of branches with a centralized cloud console.
- Eliminate truck rolls and reduce remote IT with a suite of proactive troubleshooting tools.

In the real world: International bank expands with ease and efficiency

An international banking institution faced issues expanding the bandwidth of MPLS links over their entire branch network, creating a time intensive and high-cost problem to address every year. After analyzing the WAN solutions available they invested in the VeloCloud SD-WAN solution to help optimize costs and increase bandwidth. Early estimates show that the organization will achieve a 20% reduction in maintenance costs for branches and ATMs within two years.

Modernize the customer experience

- Deploy hybrid WAN, comprised of MPLS and ordinary broadband, connecting your retail and investment branches to access enterprise applications in the data center or in the public cloud.
- Assure the application performance service-level agreement (SLA) is comparable to MPLS, even for demanding applications such as voice and video.
- Dramatically improve user experience for any application by eliminating applications hair-pinning through the data center and providing a direct path to cloud resources.

In the real world: Connecting customers to reliable, future-proof technology

A Fortune 500 company providing technical services to financial institutions around the world was executing a digital transformation plan to ensure their customers would stay cutting-edge within the financial industry. They needed a network with the bandwidth performance, prioritization, and scalability to support their goal of providing customers with a voice and networking infrastructure that could meet growing network demands. Powered by VeloCloud SD-WAN, they combined MPLS, broadband internet circuits, and 4G-LTE into one SD-WAN- controlled network for optimal app performance, including real-time voice and video. With VeloCloud SD-WAN, 83% of network incidents are automatically identified, 100% are triaged, and 34% are automatically restored ensuring consistent network connection and visibility, even at the enterprise level.

Maintain trustworthy security and regulatory compliance

- Protect customer data and run virtual network functions with enhanced firewall services provided by the SD-WAN solution.
- Easily comply with PCI DSS standards through the VeloCloud SD-WAN platform's native support of nine out of twelve requirements, enabling you to meet all mandatory requirements with just a few clicks.
- Ensure sensitive information remains isolated and secure throughout its journey across the network with SD-WAN's segmentation capabilities.
- Partner with enterprise-class cybersecurity partners through third-party integration to create a shield around the network regardless of location type, connectivity type, or connectivity purpose.

In the real world: Fortifying security without sacrificing performance

A large insurance company with thousands of sites, and more being deployed on an ongoing basis, was finding it difficult to manage an extensive security infrastructure with their existing network architecture. Instead of compromising security in favor of smoother deployment and application performance, they invested in VeloCloud SD-WAN for its native security capabilities and to support the deployment of a Public Key Infrastructure solution that was both scalable and easy to manage across the organization.

VeloCloud SD-WAN solution components

- VeloCloud SD-WAN Gateways provide optimized data paths to all applications, branches, and data centers along with the ability to deliver network services from the cloud.
- VeloCloud SD-WAN Edges are zero-touch, enterprise-class appliances that provide secure, optimized connectivity to private, public, and hybrid applications, as well as compute and virtualized services.
- The VeloCloud Orchestrator provides centralized, enterprise-wide installation, configuration, one-click provisioning of virtual services, and real-time monitoring in addition to orchestrating the data flow through the cloud network.



Why should you invest in VeloCloud SD-WAN?

Modern financial institutions face increasing challenges in managing secure, high-speed connections across distributed branches, and without strong infrastructure to ensure seamless and optimized delivery of critical services, their ability to meet customer expectations and regulatory demands will be impacted. SD-WAN has emerged as the technology that is changing the networking status quo for financial services. Its ability to deliver on the promise of faster, better, cheaper, and more is causing financial institutions and their IT staff to take notice. VeloCloud's SD-WAN solution is extensively leveraged in the financial services industry for its ability to deliver secure, reliable, and scalable connectivity to branches and remote offices, meeting the industry's demand for seamless transactions and robust data protection.

Learn more about [VeloCloud SD-WAN](#).

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