

# Modernize your Network Infrastructure to Boost User Experience and Reduce Operational Expenditure



In today's digital-first world, organizations—especially those in banking and finance—are under immense pressure to modernize their network infrastructure. Increasing customer expectations, the rise of digital transactions, and the growing need for high-speed, secure, and scalable networks demand a new approach to branch connectivity. Legacy network models often struggle with high operational costs, security vulnerabilities, and limited flexibility, making it difficult for businesses to keep up with rapid technological advancements. To remain competitive, organizations must transition to a more agile, automated, and resilient network architecture that can support the demands of modern operations. Brillio's solutions on Network Infrastructure Modernization address these challenges by delivering a scalable, secure, and high-performance network infrastructure that enhances user experience, reduces operational expenditure, and integrates cutting-edge technology to drive business efficiency.

## Core Services in Network Management

With a strong foundation in network management, and proven track record in infrastructure modernization, Brillio has consistently delivered high-impact services, ensuring smooth network transitions, decommissioning, and code upgrades.

- **Seamless Deployment of New ATM, Branch, and Switch Networks:** Brillio streamlines the rollout of new ATM, branch, and switch networks, handling everything from JIRA request management and network research to

scheduling installations. Our team collaborates with carriers and project managers, procures and configures devices through TAPS/PRIME, and ensures deployment efficiency with NMS tool updates. Once installations are complete, we validate and finalize the process, closing JIRA tasks to maintain operational integrity.

- **Efficient ATM and Branch Decommissioning:** Brillio facilitates hassle-free decommissioning of ATMs and branches, minimizing disruptions while ensuring compliance with operational protocols. We conduct thorough site research, update JIRA records, and coordinate decommissioning schedules with stakeholders. Devices are securely removed from NMS tools, and the process is validated before formally closing JIRA tasks.
- **Optimized Network Performance Through Code Upgrades:** To sustain network security and performance, Brillio executes large-scale code upgrades across multiple sites. Our structured approach includes managing device-specific upgrade lists, planning updates based on customer-defined schedules, and delivering real-time progress reports to ensure smooth execution and transparency.

## Key Benefits realized in Modernizing Network Infrastructure

Brillio's scalable and resilient architecture future-proofs IT infrastructure, supporting seamless growth. A robust security framework ensures compliance and protection against evolving cyber threats, delivering a fully secured network for business continuity.

- **Improves User Experience:** Brillio's modernization technologies enhance the network speed and reliability, enabling seamless transactions and digital interactions. With greater flexibility and mobility, teams can operate efficiently on a scalable network that adapts to evolving business needs. The result is a frictionless, high-quality experience for both customers and employees.
- **Reduces Operational Expenditure:** By replacing traditional network models with SD-WAN technology, businesses cut costs while improving efficiency. Automation simplifies tasks like network configuration, monitoring, and troubleshooting, reducing manual efforts and operational expenses. Optimized resource utilization ensures maximum bandwidth efficiency, while seamless scalability supports business growth without excessive overhead.
- **Supports Modern Technology Initiatives:** Brillio integrates SD-WAN and automation to enhance network performance, security, and control. Intelligent, software-driven networking reduces manual intervention, streamlines operations, and ensures a secure, adaptive infrastructure designed for the demands of modern digital enterprises.
- **Optimized SD-WAN for Performance:** Brillio's SD-WAN ensures dynamic, scalable, and secure WAN performance with centralized control, intelligent traffic management, and a single-pane dashboard for simplified monitoring.
- **Cloud-Based Automation with Cradlepoint:** Cradlepoint enables zero-touch deployments, real-time network visibility, and centralized cloud-based management, ensuring fast rollouts and scalability without on-site technical support.
- **Scalable LAN Switching with Juniper:** Replacing traditional Cisco devices, Juniper switches offer faster speeds, greater scalability, and enhanced security to future-proof network infrastructure.

## Brillio's Modernized Approach

Brillio's integrates cutting-edge technologies to enhance connectivity, automation, and security, ensuring efficient network management across all branch locations.

## Why Brillio?

### Unmatched Market Leadership & Rapid Deployment

As the largest partner in NPL, Brillio has delivered outstanding results, achieving a 99.99% change success rate and ~120% ticket closures versus retail targets, all while maintaining 0% downtime and an error rate of less than 1%.

### Advanced Capabilities across Network Services and Platforms

**Data Center Networks** – Designing and managing resilient infrastructures with SDN, SD-WAN, virtualization, and security solutions for optimal performance and scalability.

**Campus & Branch Networks** – Ensuring seamless connectivity with routers, Wi-Fi, switches, controllers, and access points for remote and branch offices.

**Voice, Video & UCaaS** – Enabling efficient communication with VOIP, IVR, and collaboration tools like Skype, WebEx, and Office 365.

**DDI / DNS Services** – Enhancing reliability with IP tracking, cost consolidation, centralized DNS, and traffic monitoring.

**Network Security** – Strengthening defenses with VPN, firewalls, SIEM, proxy servers, and endpoint security for compliance and protection.

**Cloud Networking** – Providing consulting, cloud migration, DevOps/FinOps, and security posture management for a seamless transition to the cloud.

## Real World Success Stories

### Driving Cost Efficiency for a Leading Telecom Provider

#### The Challenge?

A global telecom provider struggled with scalability and efficiency due to a legacy network infrastructure supporting 8K+ servers, 100K+ global end-users and 40K+ cell sites.

#### The Solution?

Brillio co-developed an industry-first VNS platform, integrating VNS-SDWAN, VNS-WAN Optimization, and cloud-based routing across Azure, AWS, and GCP. Additionally, Brillio automated 5G network provisioning, optimizing resource allocation.

#### Impact:

- **30%** cost savings over 2 years
- Seamless multi-cloud connectivity
- End-to-end automation of 5G build-out

### Enhancing Network Reliability for a Global Technology Provider

#### The Challenge?

A multinational technology company faced governance gaps, service degradation, and inefficiencies in its 5G, SD-WAN, and IP services operations, impacting over 5500+ customers worldwide.

#### The Solution?

Brillio introduced integrated hardware interactions, automated network availability monitoring, and persona-based dashboards to enable real-time insights and faster issue resolution.

#### Impact:

- **45%** increase in system reliability and uptime
- Scaled capacity to support 500K+ devices
- Automated issue detection and remediation

### MPLS to SD-WAN Transition for a Logistics Leader

#### The Challenge?

A global logistics company needed to reduce dependency on high-cost MPLS while maintaining secure, seamless branch connectivity. The client required a smooth migration with zero disruption to operations.

#### The Solution?

Brillio delivered a tech refresh by transitioning legacy WAN to SD-WAN while providing Tier 3 & 4 network infrastructure support. Brillio also implemented network automation to minimize manual intervention.

#### Impact:

- **30%** reduction in latency
- **40%** reduction in WAN costs
- Secure, uninterrupted migration with no downtime

## Modernizing IT Infrastructure for a Global Enterprise

### The Challenge?

A multinational corporation needed to modernize network infrastructure by shifting from manual to automated monitoring, addressing thousands of legacy devices across 50+ countries and 500+ sites.

### The Solution?

Brillio led the MPLS to SD-WAN migration, integrated automated failover with 4G, and deployed security solutions to enhance resilience.

### Impact:

- **18%** decrease in operating costs
- **33%** improvement in security posture
- Automated network monitoring with real-time insights

## Brillio's Impact in Numbers

Brillio's experience across network services and platforms is backed by strong execution capabilities across thousands of sites. Our track record includes:

- **12K+ Code Upgrades** under TLM.
- **5K+ Certificate Renewals** ensuring continuous compliance.
- **200+ New Branch Builds**, expanding retail network capabilities.
- **70+ New ATM Builds**, enhancing accessibility and service reach.
- **175+ Branch Decommissioning projects**, optimizing infrastructure.
- **240+ ATM Decommissioning projects**, reducing outdated systems.
- **20K+ network devices managed**, ensuring robust and scalable network performance.
- **2,000+ network implementations and changes** executed annually.
- **1M+ network events processed every year**, showcasing Brillio's ability to handle large-scale network operations.
- **1,000+ network engineers** providing global support across **all major OEMs**.



## ABOUT BRILLIO

Brillio is one of the fastest growing digital technology service providers and the partner of choice for many Fortune 1000 companies seeking to turn disruptions into competitive advantages through innovative digital adoption. We help clients harness the transformative potential of the four superpowers of technology: cloud computing, Internet of Things (IoT), artificial intelligence (AI) and mobility. Born digital in 2014, we apply our expertise in customer experience solutions, data analytics and AI, digital infrastructure and security, and platform and product engineering to help clients quickly innovate for growth, create digital products, build service platforms, and drive smarter, data-driven performance. With 14 locations across the US, the UK, Romania, Canada, Mexico, and India, our growing global workforce of 6,000 Brillians blends the latest technology and design thinking with digital fluency to solve complex business problems and drive competitive differentiation for our clients. Brillio was certified by Great Place to Work® in 2021, 2022, 2023, and 2024.



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