

Securing & advancing telecom IT: Unified solutions for resilient, agile networks

Navigating telecom's new era: Transformation and threats

As critical infrastructure enabling everything from remote workforces and IoT innovation to 5G rollouts and global commerce, today's telecommunications organizations sit at the center of our hyperconnected world. They must ensure non-stop service and ironclad security. Yet, the accelerated pace of digital transformation — combined with unprecedented endpoint growth, complex regulatory landscapes, sophisticated cyber threats and the pressure to deliver flawless connectivity — magnifies every IT and security challenge.

The stakes are higher than ever: even seconds of downtime ripple out into customer dissatisfaction, regulatory penalties and reputation risk, while cyberattacks against telecom infrastructure (which surged 40% over the past two years) can undermine trust on a global scale.



Telecom is the most targeted sector for cyberattacks, accounting for 38% of all tracked attacks in 2023, largely due to complex networks and cloud integrations.¹

What's holding telecom organizations back: IT and security challenges unveiled

Operational complexity & visibility gaps

Expanding telecom networks (often combining legacy and cutting-edge systems) result in intricate environments where IT teams struggle to maintain full visibility. Distributed physical assets, remote workforces and overlapping management tools can create blind spots, making it difficult to determine what's connected, where vulnerabilities exist and how to ensure compliance. Lack of unified asset inventories hinders rapid problem response and elevates risk, often requiring manual reconciliation and slowing remediation efforts.

Relentless cyber threats

Telecom infrastructure is a lucrative target for sophisticated cybercriminals and nation-state actors. The relentless advance of ransomware, malware and zero-day attacks seeks to exploit gaps in patching, misconfigured endpoints and older legacy systems that may not meet modern security standards.

As attackers grow more creative — and regulatory expectations rise — telecom providers must stay ahead of threats with continuous monitoring, rapid remediation and proactive defense strategies, protecting essential infrastructure and maintaining customer trust.

Uptime & service reliability

For telecom organizations, constant service availability is paramount. Even brief outages or performance disruptions — whether triggered by cyber incidents, mismanaged updates or hardware failures — can result in significant customer dissatisfaction and financial loss. Siloed operations, manual processes and fragmented IT responsibilities make rapid incident response challenging, increasing the risk of downtime and undermining the high expectations customers place on uninterrupted connectivity.

Asset management across a mobile, distributed workforce

Today's telecom workforce is increasingly mobile and decentralized, with remote technicians, field engineers and hybrid teams all requiring secure and reliable access to company resources. The spread of IoT and edge devices across networks, alongside BYOD policies, further amplifies the complexity of asset

management. Unpatched, lost or unmanaged devices create operational and security risks, complicate compliance and make delivering consistent user experiences a continual challenge.

Cost pressure & resource optimization

With tight margins and rapidly shifting market forces, telecom organizations require increased agility to achieve more with fewer resources. IT and security staff are tasked with eliminating operational inefficiencies, reducing manual workloads and maximizing benefits from existing investments. The imperative to automate, streamline and optimize resource allocation is stronger than ever, as providers seek to stay competitive while supporting innovation and maintaining robust, secure operations.

How Ivanti transforms telecom IT and security

Ivanti empowers telecom companies to become more secure, agile and resilient through a unified platform for IT management, cybersecurity and asset intelligence. Our solutions are purpose-built to secure connectivity, centralize operations, automate support and minimize risk, giving you the visibility and control needed to deliver flawless service in a threat-filled landscape.

Average global cost of a telecom data breach in 2024: \$4.88M, per IBM/Ponemon Institute.²

The proven strategy for secure, optimized

To thrive in today's high-stakes telecom landscape, organizations need a holistic set of capabilities that simultaneously address complexity, security and efficiency. Ivanti delivers a strategic, three-pronged approach, unifying endpoint management, fortifying cybersecurity and automating IT operations, —to ensure your network remains resilient, agile and ready for the future.

End-to-end asset oversight in dynamic telecom environments

Gain complete, real-time visibility across an ever-expanding array of assets, including network devices, mobile units, IoT hardware and legacy infrastructure.

- Automate asset discovery, device onboarding and lifecycle management, eradicating blind spots while promoting compliance and protecting investments.
- Mitigate device loss and enforce consistent, standardized policies for every user and endpoint to ensure every asset across your organization is secure and accounted for, no matter where it's located.

Adaptive cyber defense for unbreakable connectivity

Continuously protect critical systems with automated patch management, rapid vulnerability detection and robust policy enforcement — even within complex hybrid or legacy environments.

- Enable your IT teams to contain attacks swiftly, minimize threats' dwell times and safeguard sensitive customer and operational data with centralized, orchestrated controls.
- Give employees, contractors and partners secure access tailored to their roles with support for VPNs, zero-trust onboarding and multi-layered authentication — ensuring safety and compliance at every connection point.

Automated support & scalable service excellence

Leverage AI-driven automation to accelerate incident resolution and transform user support experiences.

- Self-service portals, automated troubleshooting and unified device management reduce operational downtime and help staff focus on strategic initiatives rather than manual tasks.
- Enable rapid scaling, streamlined onboarding and smooth support for emerging business models and technologies, including the latest in 5G deployments and edge innovations.

Ivanti telecom solution benefits

- ✓ **Minimize downtime and disruptions:** Keep networks, services and customer touchpoints running 24/7 — even in complex, distributed environments.
- ✓ **Strengthen security and compliance:** Proactively reduce risk across all endpoints and systems. Align with regulatory mandates and safeguard sensitive data.
- ✓ **Enhance operational efficiency:** Accelerate support, reduce manual burden and redirect resources to value-driving innovation.
- ✓ **Achieve total asset and device control:** Know every device on the network, prevent loss/theft and optimize asset utilization at scale.
- ✓ **Deliver superior customer and workforce experiences:** Fast, reliable service powered by resilient, automated IT.

Cutting-edge tools for future-ready telecom operations

Empower your telecom organization with integrated solutions designed to deliver visibility, control, automation and security across every device and user. Below are the key Ivanti offerings that make your IT infrastructure more resilient, efficient and future-ready.



Ivanti Neurons for Discovery

- Automatically identifies and inventories every asset across your telecom environment, including remote, mobile and legacy systems.
- Eliminates blind spots and ensures real-time visibility for accurate decision-making and risk mitigation.
- Maps relationships between devices, software and critical services to support compliance and business continuity.
- Delivers actionable insights for faster resolution of asset-related issues, supporting efficient operations.



Ivanti Endpoint Manager

- Centrally manages deployment, configuration and monitoring of Windows, Mac, iOS, Android and IoT devices from a single console.
- Automates software delivery and patch rollouts, reducing manual work and minimizing downtime.
- Enforces security policies and compliance standards across distributed endpoints, no matter their location.
- Enables remote support and troubleshooting for field staff and office employees, ensuring seamless connectivity.



Ivanti Endpoint Security

- Provides layered security through automated patch management, application control and device privilege enforcement.
- Detects and remediates vulnerabilities across diverse device types, including legacy telecom infrastructure.
- Rapidly responds to threats, such as ransomware, malware and cyberattacks, to contain incidents and protect critical systems.
- Simplifies compliance with industry regulations by centralizing and streamlining security controls.



Ivanti Neurons for ITSM

- Harnesses AI-driven workflows to automate IT service delivery and accelerate incident resolution.
- Empowers employees and customers with intuitive self-service tools for faster support and issue management.
- Reduces manual intervention, freeing IT staff to focus on strategic telecom initiatives and innovation.
- Enhances visibility into service performance and trends, enabling proactive support and continuous improvement.



Ivanti Neurons Workspace

- Aggregates a unified, real-time view of devices, users, apps and service relationships for comprehensive support.
- Streamlines troubleshooting with holistic data and context, reducing resolution times and user impact.
- Enables proactive identification to fix performance issues before they affect customers or operations.
- Simplifies complex telecom environments so IT teams can deliver superior experiences and maintain resilient service.

Real-world results from telecom leaders

Discover how leading telecom organizations leverage Ivanti solutions to overcome complex IT and security challenges. These success stories showcase the tangible benefits that Ivanti delivers across the industry — from streamlined operations and reduced costs to strengthened cyber defenses and improved service reliability.

“In addition to providing centralized patch management and application control, Ivanti Endpoint Security helped us contain ransomware and deploy other security solutions such as NAC agents, AV, and anti-APT agents to all workstations with minimal need for manual or on-site intervention.”

Jake Kashina-milunda,
Head of Information Security Assurance
and Compliance, Globe Telecom



“We’ve got somewhere in the neighborhood of \$280,000–\$300,000 with the labor reduction through the automations...I’m a value buyer. I care less about the dollar on the bottom of the invoice as I do the amount on the dollar that’s on the savings we get through the implementation execution.”

Paul Higdon,
Senior Director of Enterprise
Applications, Results CX



Championing the future of telecom

From maintaining always-on networks to thwarting the next cyber threat, telecom providers trust Ivanti to see, secure and streamline everything. Step confidently into the next era of connectivity with IT that's ready for anything.

Learn more

Book a demo

About Ivanti

Ivanti is an enterprise software company that provides a comprehensive IT and security cloud-based platform. Ivanti provides software solutions that scale with our customers' needs to help enable IT and Security to improve operational efficiency while reducing costs and proactively reducing security risk. The Ivanti Neurons platform is cloud-native and is designed as a foundation of unified and reusable services and tools for consistent visibility, scalability and secure solution delivery. Over 34,000 customers, including 85 of the Fortune 100, have chosen Ivanti to meet challenges head-on with its end-to-end solutions. At Ivanti, we strive to create an environment where all perspectives are heard, respected and valued and we are committed to a more sustainable future for our customers, partners, employees and the planet. For more information, visit [ivanti.com](https://www.ivanti.com) and follow @Golvanti.

The Ivanti logo, featuring the word "ivanti" in a bold, lowercase, sans-serif font. The "i" is red, and the "vanti" is black. A small registered trademark symbol (®) is located at the top right of the "i".

For more information,
or to contact Ivanti,
please visit [ivanti.com](https://www.ivanti.com).

1. [Cybersecurity in Telecom: Safeguarding Networks & Data | SBS](#)
2. [Top 10 Biggest Cyber Attacks of 2024 & 25 Other Attacks to Know About!](#)