

Unlock Full Data Visibility to Secure Healthcare Modernization

Solution Brief



Healthcare organizations need secure, seamless access to data and applications to enhance productivity, efficiency, and patient outcomes. However, as access points grow, data becomes more dispersed and security risks increase. Netskope integrates zero trust and secure access service edge (SASE) to protect sensitive healthcare data wherever it is created, accessed, or shared—while ensuring seamless application access, boosting efficiency and productivity, and enabling a secure, modern digital transformation.

Positive Business Outcomes in Healthcare with Netskope

- Stronger Data Security and Compliance – Discover and protect more healthcare data across cloud services, endpoints, and networks, supporting regulatory compliance and reducing breach risks.
- Increased Efficiency and Cost Savings – Streamline IT operations, reduce vendor sprawl, optimize cloud access, and lower costs while improving productivity.
- Secure Innovation with AI and Cloud – Enable safe adoption of generative AI and modern cloud services without compromising security or increasing operational expenses.

“We consider Netskope to be a trusted partner and part of the IT organization. Netskope understands the challenges we have out in the field, and helps us provide a solution that protects patient care and the security of the organization as a whole.”

Adam Carey Cyber Security Manager, Royal Flying Doctor Service (Queensland Section)

The Challenges in Healthcare

Healthcare organizations face significant challenges in maintaining data security and privacy while embracing SaaS, generative AI tools and hybrid work to support digital transformation and ensure resilient, uninterrupted patient care. These challenges include:

- Increasing visibility into networks, SaaS services, and user activity.
- Securing access and collaboration for clinicians and third-parties without hindering patient care.
- Protecting the flow of PHI data while ensuring compliance with HIPAA, HITECH, and other regulations.
- Mitigating cyber threats that exploit the expanding attack surface of IoT and IoMT devices.
- Eliminating network bottlenecks caused by legacy MPLS and VPN deployments, which degrade user experience.
- Consolidating disparate security tools to simplify management, maintain or reduce your overall spend, and support hybrid work environments.

Why Netskope is Essential for Healthcare Organizations

Netskope takes a data-centric approach to security architecture, unifying zero trust, security, network services, and analytics into a single SASE platform—Netskope One. This single platform protects sensitive healthcare data, providing full visibility and control over data access, movement, and risks while enabling

secure, modern digital transformation. With secure web gateway (SWG), cloud access security broker (CASB), ZTNA, data security, Cloud Firewall, and SD-WAN, Netskope One simplifies security, eliminates vendor sprawl, and reduces complexity, ensuring a seamless and resilient healthcare environment.

How Netskope Empowers Healthcare Organizations

- **Unlock Full Data Visibility** – Gain real-time insights into how doctors, nurses, contractors, and administrators access critical data—how often they do and where it moves—eliminating blind spots and compliance risks
- **Streamline Efficiency Without Overspending** – Optimize operations and free up resources for patient care while keeping costs under control.
- **Secure Modernization** – Transition seamlessly to cloud-hosted electronic medical records (EMRs) with strong HIPAA and HITECH compliance.
- **Unified Protection Across Systems** – Secure both on-premises private applications and SaaS services with a single SASE platform for consistent data protection.
- **Securely enable generative AI and Cloud Innovation** – Safely integrate genAI and cloud-hosted applications without compromising security or compliance.

“Before [Netskope One DSPM] we would take up to 2 weeks to answer certain data-related and data security-related questions; with [Netskope One DSPM] it takes us 5 minutes.”

–William Dougherty, CISO, Omada Health

Ensure Data Visibility and Protection

As sensitive data extends beyond traditional healthcare boundaries, Netskope One DLP, including the latest innovations in data security posture management (DSPM), provides continuous data discovery and classification for both structured and unstructured data across all environments. This ensures full visibility into sensitive data and enables automated classification to support regulatory compliance. With a centralized cloud service and role-based access control, Netskope unifies data protection policies and streamlines enforcement.

Real-time risk monitoring detects unauthorized activity and potential data exfiltration, proactively preventing insider threats and blocking unauthorized data transfers to personal accounts, ensuring the protection of highly confidential documents at all costs.

Faster and More Reliable Access to Critical Applications

Hospitals, clinics, universities, and home workers all depend on cloud-hosted EMRs, telemedicine platforms, and collaboration tools, but slow and unreliable access can impact patient care. Netskope’s NewEdge Network optimizes performance, ensuring low-latency, high-speed connectivity for clinicians and staff. Its private backbone, covering over 75 global regions, minimizes congestion and eliminates the need for backhauling traffic through slow, legacy networks, providing direct-to-internet connectivity for a seamless user experience

Secure and Seamless Remote Access for Healthcare Workers

Traditional VPN-based remote access can be slow and prone to security risks. Netskope eliminates VPN bottlenecks, by replacing them with modern zero trust network access, offering fast and secure remote access for healthcare professionals, third-party vendors, and mobile clinicians. With dynamic, context-aware security based on user identity, device posture, and location, hospitals can ensure secure, least-privilege access to private applications, while shielding the rest of the applications from discovery and attacks.

Optimized IT Efficiency and Cost Savings

Managing healthcare IT infrastructure is complex and costly. Netskope’s unified SASE platform consolidates network security and connectivity, replacing multiple security appliances, VPNs, and MPLS backhauls.

This reduces IT overhead, vendor sprawl, and infrastructure expenses while centralizing visibility and automating threat mitigation, allowing healthcare security and infrastructure teams to streamline operations and costs.

Secure and Scalable Support for IoT and IoMT Devices

With the increasing use of IoT and IoMT devices like ventilators and smart monitors, hospitals face an expanded attack surface. Netskope safeguards these connected medical devices by preventing unauthorized access, isolating high-risk endpoints, and ensuring continuous, secure performance. This helps hospitals maintain resilient, high-availability operations in high-traffic environments without saying no to the need for data portability to ensure efficient patient care.

“With Netskope Apria has implemented cloud and web data loss prevention policy enforcement without placing a burden on personnel, while also providing employees and patients the assurance that their personal information is in safe hands.”

Jerry Sto.Tomas Chief Information Security Officer, Apria Healthcare

Integrating Your Healthcare Security Ecosystem with Netskope One

Netskope One integrations help healthcare organizations enhance security, streamline operations, and maximize existing IT investments. With an open architecture and Cloud Exchange service supporting more than 150 technology partners, Netskope seamlessly integrates with key vendors like AWS, Forescout, IGEL, and Imprivata to address specific security challenges in healthcare. These integrations enable real-time policy enforcement for IoT devices, secure identity management on shared workstations, and protected cloud and private application access, including HRM apps like Epic and Cerner. By consolidating security tools, extending uniform security policies to all users, and reducing operational complexity, Netskope One helps healthcare organizations achieve lower risk, improved efficiency, and stronger data protection.

| FEATURE | DESCRIPTION |
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| <p>Integrate SASE and zero trust across ecosystems</p> | <p>Netskope can ensure that these ecosystem platforms are integrated with Netskope One to address key security challenges and deliver lower risk outcomes. These outcomes include:</p> <ul style="list-style-type: none"> • Amazon Web Services (AWS): Netskope One integrates with AWS at multiple touchpoints, leveraging its wide range of infrastructure solutions tailored to support healthcare. • Forescout: Originally a network access control solution, Forescout has evolved to detect and surface non-compliant, unusual, or misbehaving healthcare IoT devices and hosts. Netskope dynamically utilizes this data to enforce inline security policies in real time. • IGEL: A secure operating system provider, creates a contained and protected system for other software solutions to run on, including the Netskope One Client with minimal risk to and maximum stability of the host. • Imprivata: Enhance zero trust access controls with this specialist in device and user identity management. Imprivata securely handles identity authentication in mission-critical environments, allowing multiple users to efficiently check in and out of dynamically accessed, shared hosts. • Epic and Cerner: Netskope One Private Access enables secure access to HRM applications, including Epic Community Connect + and Cerner. |

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| Safely Embrace the Digital Transformation | Netskope allows healthcare organizations to confidently engage in digital transformation projects that deliver maximum value to the organization, without incurring excessive security risk. |
| Safely Access PHI Data from Anywhere | Netskope helps healthcare organizations better safeguard PHI data against cyber threats, avoid the cost of data breaches, and the traumatic damage to reputation and brand. Provide clinicians the right type of access they need, when they need it, using SASE technologies to contextually manage your policies and governance. |
| Reduce Risk Exposure | Netskope offers zero trust protection that mitigates security risk even as enterprise applications, data, and users move beyond the network perimeter. |
| Mitigate Cybersecurity Threats | Netskope threat protection capabilities provide high-efficacy threat detection and blocking for advanced malware (such as ransomware) and phishing, securing healthcare organizations from targeted cyber attacks. |
| Manage Regulatory Compliance | Netskope facilitates regulatory compliance across HIPAA, HITECH, and other crucial healthcare cybersecurity and data privacy regulations. Its best-in-class capabilities enable the efficient monitoring and enforcement of a single set of compliance policies and security controls across the cloud and on-premises from a unified console. |
| Optimize Performance | Netskope SD-WAN and NewEdge Network offer fast, secure, and high-quality networking for healthcare organizations, facilitated by the Netskope One Client, which streamlines traffic to the Netskope One SASE platform. |
| Reduce Costs and Complexity | Netskope consolidates the most vital security technologies onto a unified, cloud-native platform that dramatically reduces the costs and complexity typically incurred by extending security beyond the enterprise perimeter and into the cloud. |
| Modernize User Experience | Netskope helps healthcare organizations securely manage the diverse mix of on-premise legacy and modern cloud apps. With Netskope, healthcare organizations can deliver a seamless and consistent user experience with secure and reliable connectivity. |
| Audit and Report | Netskope allows you to create a granular, contextual audit trail of all your cloud activities to facilitate governance and reporting for regulatory requirements, such as HIPAA and HITECH. Create regular reports for auditors, provide details about users, activities, and data, with drill down capabilities for further investigation. |



Netskope, a global SASE leader, uses zero trust principles and AI/ML innovations to protect data and defend against cyber threats, optimizing both security and performance without compromise. Thousands of customers trust the Netskope One platform and its powerful NewEdge network to reduce risk and gain unrivaled visibility into any cloud, web, and private application activity. Learn more at [netskope.com](https://www.netskope.com).