Protecting What Matters: DSPM Strategies for Healthcare with Arctera

Empowering healthcare organizations to secure data, reduce risk, and build trust.

White Paper | November 2025

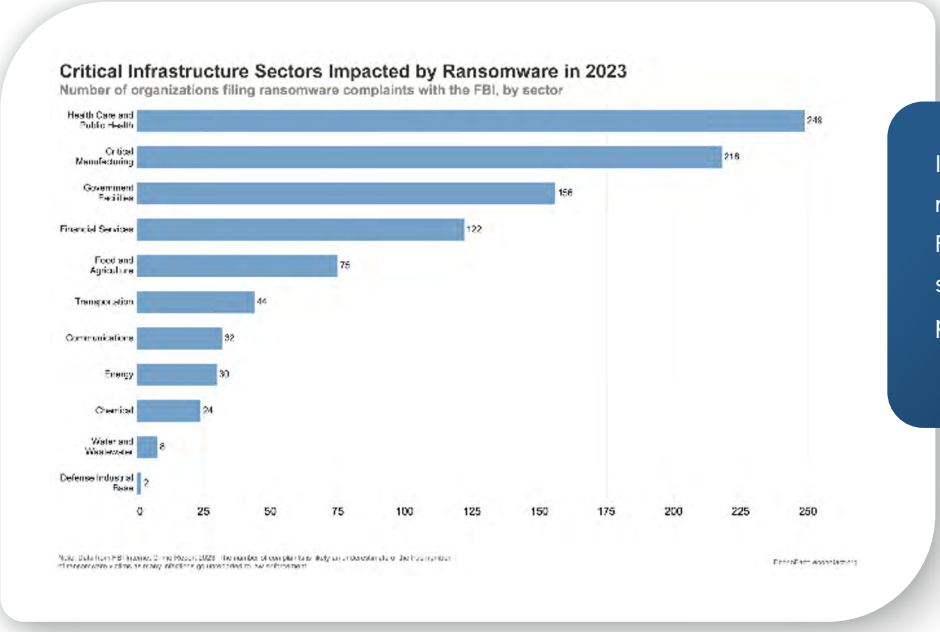
Contents

Healthcare Faces Unique Security Challenges

In today's healthcare landscape, data security isn't just about compliance—it's about protecting patient trust and ensuring care isn't interrupted. Unfortunately, cybercriminals know just how critical healthcare data is, and they're targeting it more aggressively than ever.

Data Security Posture Management (DSPM) helps healthcare organizations take control of their data security, reduce risks, and stay resilient. Some systems, like the Electronic Medical Records (EMR), are particularly high-value targets. Take the story of a Chicago-based healthcare facility: after a ransomware attack, they had to shut down their EMR, switch to paper forms, and eventually pay a ransom—only to find that not all of their data could be recovered. The cost wasn't just financial; it affected their ability to provide timely, effective care.

Stories like this show why DSPM isn't optional for healthcare organizations—it's a must-have for protecting patient care and organizational reputation.



In 2023, healthcare organizations filed more ransomware complaints with the FBI than any other critical infrastructure sector—emphasizing the urgent need for proactive security measures like DSPM.

Key Features of DSPM in Healthcare

Get a Clear Picture of Your Data

It's hard to secure what you can't see. DSPM starts by helping you map out all your data—whether it's structured, unstructured, or tucked away in shadow databases. This full visibility ensures you're protecting everything, even data stored in older systems or hybrid cloud environments.

Focus on What Matters Most

With DSPM, you can prioritize your most sensitive data—like patient records or billing information—and ensure it's protected first in an emergency. This kind of smart triage minimizes disruption to patient care if an incident occurs.

Your Electronic Medical Records (EMR) system isn't just a database—it's the backbone of patient care. A robust DSPM strategy ensures this critical system remains operational and secure, even during a cyberattack.

Classify Your Data, Automatically

Not all data is created equal. DSPM solutions use smart algorithms to classify information by sensitivity. With tags like "Highly Confidential" or "Internal Use Only," you can make sure the right safeguards (like encryption or access controls) are in place for each category of data.

Spot Threats Before They Become Problems

DSPM tools don't just look at your data—they also watch how it's being accessed. By monitoring user behavior and access patterns, these solutions can flag unusual activity in real time. That way, you can stop insider threats or potential breaches before they do damage.

Stay Ahead of Compliance

Meeting regulations like HIPAA and HITECH can feel like an uphill battle, but DSPM can make it easier. By automating compliance checks and generating audit-ready reports, DSPM keeps your organization ahead of regulatory requirements and ensures that only the right people can access sensitive data.

Reduce Risk and Take Action

DSPM doesn't just show you where your risks are—it helps you fix them. Whether it's identifying overly broad permissions or remediating security gaps, DSPM empowers your team to take action quickly and confidently.

What Makes DSPM in Healthcare Different?

Healthcare has unique challenges that make DSPM especially critical. For one, it's a highly regulated industry with sensitive patient data at its core. On top of that, healthcare organizations often juggle legacy systems and cutting-edge tech like IoT medical devices, all while handling enormous volumes of data. DSPM bridges the gap, providing clarity and control over this complex environment.

How Arctera Can Help

At Arctera, we don't just offer solutions—we partner with organizations to meet their goals. Here's how Arctera Insight helps bring DSPM to life for healthcare:

Full Visibility, Effortlessly

Arctera automates the process of finding and mapping your data, so you know exactly what you have and where it lives. Whether your data is in the cloud, on-premises, or somewhere in between, you'll have the full picture.

Smart Classification, Right Out of the Box

With over 1,400 pre-built classification policies—and the ability to create your own—Arctera makes it easy to tag your data. These tags aren't just labels; they're tools you can use to manage security, compliance, and risk.

Proactive Risk Management

Arctera assigns risk scores to your data based on location, sensitivity, and who has access. With clear, actionable insights, your team can identify and fix vulnerabilities fast—no extra tools needed.

Seamless Compliance Reporting

From patient records to financial data, Arctera helps you stay compliant by finding sensitive information and generating reports you can trust. Whether it's for HIPAA audits or internal reviews, you'll have the information you need at your fingertips.

Real-Time Threat Detection

Using AI-powered analytics, Arctera monitors access patterns and flags unusual activity in real time. If something looks off, you'll know about it—and be able to act—right away.

Don't Just Monitor—Remediate

DSPM isn't just about identifying risks. The best solutions, like Arctera Insight, provide actionable insights and built-in tools to fix issues like over-permissioned files or shadow databases—fast.

Looking Ahead: The Future of DSPM

Cybersecurity is constantly evolving, and DSPM is no exception. Here are some trends to watch:

- **Adaptive Systems:** AI and machine learning will make DSPM tools smarter and more proactive, anticipating risks before they emerge.
- **Quantum-Ready Security:** As quantum computing becomes a reality, DSPM will need to evolve to protect against new threats.
- **Deeper IoT Integration:** With more medical devices connecting to networks, DSPM will play a key role in securing this expanding attack surface.

The bottom line?

DSPM isn't just about protecting data—it's about protecting the future of healthcare.

Let's Build a Safer Future Together

At Arctera, we understand the challenges healthcare organizations face because we've walked this path with our partners. We're here to help you take control of your data security, reduce risks, and meet your goals—not just for compliance, but for patient care.

With Arctera Insight, you'll have the tools, insights, and support to stay ahead of threats and build trust with every patient interaction. Let's start the conversation about how we can help you secure your organization and deliver the care your patients deserve.

Learn more about Arctera's solutions and how we're empowering healthcare organizations at **arctera.com/healthcare.**

About Arctera

Arctera, a business unit of Cloud Software Group, is the leading global provider of compliance and governance solutions that enable firms to unleash game-changing technologies into their organizations while minimizing risk. Created in 2024 from Veritas Technologies, Arctera helps the biggest companies in the world monitor and control exactly how their information is being accessed, used and shared. The Arctera Insight Platform is able to capture data from over 130+ different content sources, and more than 280 AI policies help firms streamline compliance and adapt to evolving regulations.

arctera™

Learn more: arctera.com

Connect:

Contact: press@arctera.com

A0160 11/25