



Accelerating NIST 800-53r5 Compliance in Healthcare with Actifile

This presentation highlights how ideaBOX utilized Actifile to assist a healthcare client in efficiently achieving NIST 800-53 Revision 5 certification requirements, enhancing cyber maturity, and preparing for audits, ensuring compliance and security in the healthcare sector.

James A. Oliverio

A graphic on the right side of the slide. It features a dark blue background with a white rounded rectangle containing the word "COMPLIANCE" in large, white, all-caps, sans-serif font. Below the rectangle, a hand is shown pointing upwards with the index finger, and a bright light emanates from the tip of the finger, creating a lens flare effect.

COMPLIANCE

Achieving NIST SP 800-53r5 Compliance in Healthcare

Enhancing Cybersecurity Maturity for Future Audits and Compliance

200,000 records

Patient Records

Managing a vast number of **patient** records.

Audit readiness

Future Preparedness

Preparing for **HHS** and **OCR** audits.

ePHI volumes

Sensitive Data

Handling large volumes of **electronic Protected Health Information**.

Cyber maturity

Security Improvement

Enhancing **cybersecurity** maturity levels.

NIST SP 800-53r5

Compliance Standard

Required for **federal compliance** and audits.

Regional system

Healthcare Reach

A **mid-sized regional** healthcare system.

Overcoming Healthcare Data Security Challenges

Addressing obstacles in managing unstructured sensitive data and compliance risks



Unstructured sensitive data management issues

The healthcare provider struggled with large amounts of unstructured sensitive data across various endpoints and shared drives.



Mapping data access complications

There was significant difficulty in mapping data access, leading to confusion about who accessed what data.



Limited visibility into data exposure

The organization faced limited visibility into data exposure risks from AI tools, external collaborators, and insider threats.



Inadequate tools for compliance

A critical lack of tools to meet NIST 800-53r5 control families hindered their compliance efforts.



Specific compliance control gaps

Particularly lacking were tools for System and Information Integrity, Access Control, and Audit and Accountability.

Comprehensive Compliance Solutions for Healthcare

Leveraging AI to Enhance Data Compliance and Security in Healthcare Operations



Automated Data Discovery

Streamlines data management processes.



Real-Time Data Access Visibility

Enhances oversight of data interactions.



Encryption and Zero-Touch Protection

Secures data without user intervention.



Insider Risk Mitigation

Reduces risks from internal threats.



Simplified Control Mapping

Facilitates compliance documentation.

Automated Data Discovery and Classification in Healthcare Organizations

Utilizing Actifile for Compliance with Data Classification and Handling Requirements



Non-Intrusive Scanning

Actifile enables a non-intrusive scan across various systems, including servers, endpoints, and cloud shares, ensuring minimal disruption while identifying sensitive information.



Sensitive Data Identification

The scan identifies and classifies critical data types such as **ePHI**, **PII**, financial records, and research data, which are essential for compliance and security.



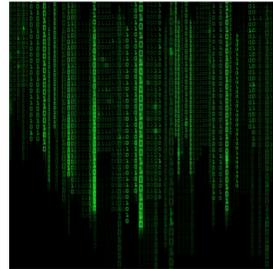
Support for Compliance Frameworks

This process directly supports compliance with NIST guidelines, specifically SI-12 and PL-8, which focus on information handling and security architectures.



Enhanced Data Protection

By classifying sensitive data, healthcare organizations can implement better data protection measures, ultimately enhancing patient privacy and trust.



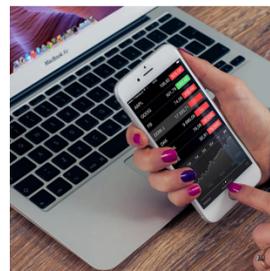
Continuous Monitoring

Actifile enables **continuous monitoring** of sensitive data, ensuring that all access events are tracked effectively for compliance and security purposes.



Detailed Access Logs

The solution records **who** accessed the data, along with the **when** and **where**, providing a comprehensive audit trail for security and compliance needs.



Data Transfer Alerts

It identifies if data was **copied, shared,** or uploaded to AI tools or cloud platforms, allowing organizations to address potential data leaks promptly.



Supports NIST Framework

Actifile's monitoring capabilities align with NIST standards AU-2, AU-6, and AC-6, reinforcing an organization's compliance efforts and data protection strategies.

Enhancing Real-Time Data Access Visibility for Compliance

Continuous monitoring of sensitive data access supports NIST compliance in healthcare providers.

Ensuring Compliance through Encryption and Protection

Actifile secures sensitive data while meeting key NIST standards in healthcare.



Automatic encryption of sensitive files.

Actifile ensures that sensitive files are **automatically encrypted in place**, providing a robust layer of security that is integral to data protection strategies in healthcare environments.



Compliance with NIST standards SC-12 to SC-28.

The solution guarantees adherence to **NIST standards SC-12 to SC-28**, which encompass critical **System and Communications Protection** measures, essential for safeguarding information integrity.



Satisfying MP-5 for media transport protection.

Actifile also meets the requirements of **MP-5**, ensuring that all data media during transport is protected, thereby minimizing the risk of data breaches during mobile operations.



Adhering to AC-19 for mobile device access control.

The solution complies with **AC-19**, which focuses on **Access Control for Mobile Devices**, ensuring that access to sensitive data is tightly regulated and monitored.

Mitigating Insider Risks with Actifile

Enhancing compliance and security through proactive data monitoring and analysis

100%

Total compliance with SI-4 and RA-5

Actifile ensures full adherence to monitoring standards.

1 system

Single integrated solution

Actifile works seamlessly.

24/7

Continuous data monitoring

Behavioral analysis is performed around the clock.

5 key metrics

Identifying unusual data movements

Focus on significant indicators to mitigate risks.

1 proactive response

Immediate threat containment

Quick actions taken to neutralize insider threats.

100% visibility

Complete oversight of data activity

Real-time insights into data movements for security.

Streamlining NIST 800-53r5 Compliance with ideaBOX

Enhancing audit efficiency with precise control evidence and reduced preparation time

Precise evidence of control effectiveness



The auto-generated ROM™ report provides auditors with detailed insights into control performance and compliance.

Reduction in manual audit prep time



Implementing ideaBOX technology has cut manual preparation efforts by over 70%, speeding up the auditing process.

Achieving NIST 800-53r5 Compliance in 90 Days

A roadmap to effective data protection and compliance for healthcare organizations.

Certification readiness achieved

Achieved NIST 800-53r5 certification readiness in under 90 days.

Risk exposure reduction

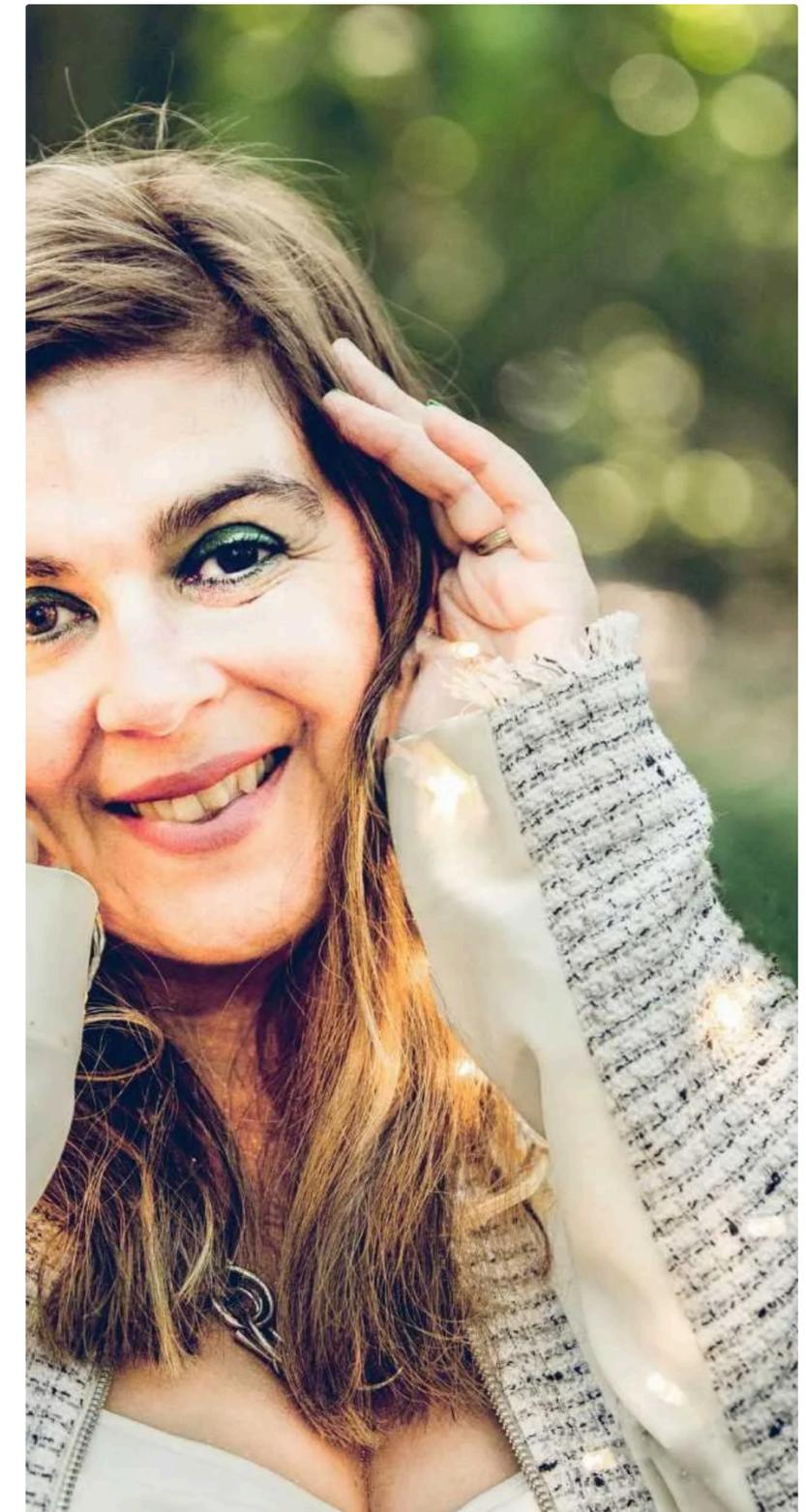
Reduced data exposure risk by over 85% within the first 60 days.

Successful third-party audit

Passed a third-party audit with zero major findings on data protection.

Significant cost savings

Saved over \$250,000 in remediation and consulting fees through automation.



Key NIST 800-53r5 Control Families Addressed

An overview of the control families and impacted controls for effective compliance management

Control Family	Controls Impacted
Access Control (AC)	AC-2, AC-4, AC-6, AC-19
Audit and Accountability (AU)	AU-2, AU-6, AU-12
System and Information Integrity (SI)	SI-4, SI-7, SI-12
System and Communications Protection (SC)	SC-12 to SC-28
Privacy (AR/IP)	AR-2, AR-4, IP-5, IP-6
Risk Assessment (RA)	RA-2, RA-5, RA-7

Transforming Compliance in Healthcare with AI

Streamlining data protection through proactive and automated solutions

AI-driven compliance strategy

ideaBOX, powered by Actifile, shifted from outdated DLP to modern compliance solutions.

Continuous compliance achieved

Transitioned from compliance chaos to a state of ongoing regulatory adherence, ensuring safety.

Proactive and automated solutions

Demonstrated that data protection can be both proactive and automated, reducing manual oversight.

Cost-efficient compliance model

Showed that effective compliance strategies can also be cost-effective, particularly in healthcare.





Consider integrating AI solutions to elevate your compliance strategy.

Explore the benefits of implementing AI-driven compliance solutions like Actifile to strengthen your organization's data protection and ensure adherence to regulatory standards. Take proactive steps toward achieving rigorous compliance with NIST 800-53r5.

For more information

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