Comforte Data Discovery and Classification for PCI DSS v4.0 Compliance

Locate Sensitive Cardholder Data and Achieve Compliance with PCI DSS v4.0

Challenges with PCI DSS v4.0

Financial services organizations are struggling to meet the stringent requirements of PCI DSS v4.0, which introduces stricter mandates for topics like cardholder data protection, auditing, logging, and incident response. However, many enterprises lack a clear starting point and face significant challenges in understanding where sensitive cardholder data (CHD) resides, how it is stored, and who has access to it.

The absence of comprehensive data visibility—combined with manual, time-consuming processes—increases the risk of PCI non-compliance, as organizations often fail to accurately identify, classify, and protect cardholder data across their environments. As a result, financial institutions continue to fall short with securing and monitoring cardholder data across complex, hybrid infrastructures—from on-premises databases to cloud storage repositories—ultimately exposing them to growing non-compliance risks and potential security threats.

Learn More

To learn more about the comforte Data Security Platform visit: comforte.com/data-security/discovery-classification

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Achieving compliance with PCI DSS v4.0 starts with understanding how cardholder data is stored, managed, and used. Fortunately, comforte Data Discovery and Classification delivers a unique approach to identifying and classifying sensitive payment information that supports organizational compliance efforts to meet stringent regulatory requirements of PCI DSS v4.0:

Requirement 3: Protect Stored Account Data

- Comforte Data Discovery and Classification identifies each instance of cardholder data which enables organizations to apply proper cryptography and meet data protection mandates.

Requirement 10: Log and Monitor All Access to System Components and Cardholder Data

- Comforte Data Discovery and Classification provides centralized inventories of cardholder data and seamlessly integrates with SIEM tools or other logging solutions to help organizations prevent unauthorized access attempts and policy violations.

Requirement 12: Support Information Security with Organizational Policies and Programs

- Comforte Data Discovery and Classification delivers continuous, smart scanning capabilities with risk-based classifications which enable organizations to align document and control access practices in accordance with new PCI standards.

Ready to take the next step?

Reach out today to get in touch with our experts:
comforte.com/contact

Why comforte Data Discovery and Classification?

Unmatched Accuracy

- Advanced technological foundations built with AI/ML, regex, keywords, dictionaries, and other functions that deliver 96% accuracy out-of-the-box and 99% upon tuning of false positives and negatives

Automatic, Continuous Discovery

- Real-time identification of all known and unknown cardholder data and other sensitive financial information residing or entering a system or network

Smart Scanning

- Use of neural networks to identify and categorize all structured, unstructured, and semi-structured cardholder data at rest or in transit across on-prem, cloud, or hybrid applications without any requirements for repository registration

Advanced Data Mapping

- Visualized data flows to highlight advanced lineages of cardholder information across an entire network or system

Seamless Implementation

- Standardized set of protocols and use of open APIs for fast and easy integration into popular databases, tools, and applications in both cloud and on-premises environments

Benefits for PCI DSS v4.0 Compliance

Reduce PCI Non-Compliance Risks

- Comprehensive identification of all cardholder data elements to ensure proper protection and handling

Lower Security Costs

- Automated discovery processes to reduce manual burdens coupled with high costs and resource utilization

Improve Security Posture

- Mitigation of data breaches and exposure of sensitive data to preserve payment system integrity and cardholder trust

Streamline PCI Auditing

- Simplified PCI DSS validation with optimized reporting capabilities to deliver continuous compliance status

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