Business Case Overview
Preton Print Security

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Preton Print Security Overview

Preton Print Security is an advanced solution designed to secure, manage, and optimize printing processes across industries handling sensitive information. Its comprehensive features not only enhance document security but also ensure compliance with regulatory standards like HIPAA, GDPR, PCI-DSS, and FISMA. With its robust capabilities, Preton Print Security addresses key challenges in protecting sensitive data while improving operational efficiency**.**

Key Features and Benefits:

1. **Content Scanning and Alerts:** Automatically scans all print jobs for sensitive information (e.g., names, financial details, medical data). Flags sensitive content and sends alerts to the Data Protection Officer (DPO) for immediate review, helping to mitigate risks in real time.
2. **Searchable Print Job Archiving:** Archives all print jobs securely, ensuring quick and efficient retrieval for audits, compliance checks, or document recovery during emergencies.
3. **Automatic Watermarking & User Annotation:** Applies "Confidential" watermarks to documents and adds user annotations, including usernames and time stamps, to enhance accountability and traceability.
4. **Print Restrictions Based on AD Role:** Integrates with Active Directory (AD) to enforce role-based restrictions on sensitive print jobs, ensuring that only authorized personnel can print certain documents.
5. **Supporting Legal and Forensic Investigations:** Secure archiving and traceable annotations enable organizations to respond effectively to legal and forensic investigations, providing a clear and documented chain of custody for printed materials.
6. **Cost Optimization:** By preventing unnecessary or duplicate printing and restricting access based on roles, the system reduces resource waste and operational costs.

By incorporating these features, Preton Print Security ensures regulatory compliance, protects sensitive data, reduces operational inefficiencies, and enhances accountability across the printing process.

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Business Case for Preton Print Security: Healthcare

Challenge:
Healthcare organizations like large clinics and Hospitals face constant challenges with securing sensitive patient data during printing, ensuring compliance with HIPAA and GDPR, and preventing paper-based data breaches. Unauthorized printing of patient records, accidental data leakage, and insider threats are common issues that can compromise patient confidentiality and put organizations at risk of compliance violations.

Solution:
Preton Print Security offers a robust solution for healthcare providers by:

- **Content Scanning:** Detects sensitive information in print jobs, such as patient names, medical conditions, and prescription details. Documents containing sensitive data are flagged, and an alert is sent to the Data Protection Officer (DPO) for immediate review.
- **Print Job Archiving:** Every printed document is securely archived in a searchable archive, making it easy to retrieve documents for compliance audits or investigations.
- **Automatic Watermarking & User Annotation:** Watermarks documents as "Confidential" and includes the user's name and a time stamp, providing clear traceability and accountability for each print job.
- **Print Restrictions Based on AD Role:** Restricts access to print sensitive patient data based on user roles, ensuring only authorized personnel can print confidential information.

Impact:
By implementing Preton Print Security, healthcare organizations ensure compliance with regulatory standards, reduce the risk of data breaches, detect insider threats, and streamline document retrieval. The system also reduces printing costs by eliminating unnecessary print jobs and improving operational efficiency.

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Business Case for Preton Print Security: Banking

Challenge:
In the banking sector, the need to protect sensitive financial and private data is paramount. Printing financial reports, account information, customer's personal information and transaction details without proper security measures can lead to unauthorized access, insider threats, and compliance violations, exposing the organization to financial and reputational risks.

Solution:
Preton Print Security helps financial institutions by:

- **Content Scanning:** Scans all print jobs for sensitive data, such as account numbers, SSNs and financial records. Documents containing sensitive data are flagged, and an alert is sent to the DPO for immediate action.
- **Print Job Archiving:** Securely archives print jobs, making it easy to retrieve documents for compliance audits or investigations. The archived documents are fully searchable.
- **Automatic Watermarking & User Annotation:** Watermarks printed documents to identify their origin and includes user annotations with username and time stamp for accountability.
- **Print Restrictions Based on AD Role:** Restricts printing of sensitive documents to authorized roles, ensuring that only employees with the necessary clearance can print financial data.

Impact:
For banks, Preton Print Security enhances data security, ensuring compliance with industry regulations such as GDPR and PCI-DSS. The system prevents unauthorized printing of financial documents, protects against insider threats, and streamlines document management, while also reducing operational costs by controlling unnecessary printing.

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Business Case for Preton Print Security: Legal

Challenge:
Legal firms handle highly confidential client information, including case files, contracts, and sensitive communications. Without a secure printing solution, these documents are vulnerable to unauthorized access, potential data breaches, and regulatory non-compliance, risking client trust and legal repercussions.

Solution:
Preton Print Security provides a comprehensive solution for legal organizations by:

- **Content Scanning:** Detects sensitive legal data, such as client details, case information, and confidential communications, before printing. Documents containing sensitive information are flagged, and alerts are sent to the DPO for review.
- **Print Job Archiving:** Securely archives all printed documents, enabling easy retrieval for audits, investigations, or compliance purposes. The archived print jobs are fully searchable.
- **Automatic Watermarking & User Annotation:** Watermarks documents with "Confidential" and includes user information (username and time stamp) for traceability and accountability.
- **Print Restrictions Based on AD Role:** Controls access to sensitive legal documents by restricting printing to authorized roles, ensuring that only designated staff can print confidential information.

Impact:
Legal firms using Preton Print Security can mitigate the risk of data breaches, ensure compliance with industry regulations like the ABA Model Rules, and prevent unauthorized access to sensitive documents. The solution also improves operational efficiency by optimizing document management and reducing printing costs.

Business Case for Preton Print Security: Government

Challenge:
Government agencies manage highly sensitive and classified information that requires strict controls to avoid unauthorized access and potential security breaches. Traditional printing methods often leave documents exposed in common areas, risking compliance violations and compromising national security.

Solution:
Preton Print Security supports government organizations with:

- **Content Scanning:** Scans every print job to detect classified or sensitive government data and prevents unauthorized printing. Documents with sensitive content are flagged, and the DPO is alerted for immediate review.
- **Print Job Archiving:** Archives printed documents securely, making them easily searchable for audits, investigations, or compliance checks.
- **Automatic Watermarking & User Annotation:** Watermarks documents with security labels and records user data (username and time stamp), ensuring traceability and accountability.
- **Print Restrictions Based on AD Role:** Enforces strict access control by integrating with Active Directory (AD), restricting printing based on role and clearance level.

Impact:
For government agencies, Preton Print Security helps meet strict regulatory standards like FISMA and NIST by preventing unauthorized access to sensitive data. It reduces the risk of paper-based data breaches, enhances document retrieval, and ensures the security and integrity of government communications.

Business Case for Preton Print Security: Insurance

Challenge:
Insurance companies handle vast amounts of sensitive personal and financial information, including claims, policies, and medical records. Without proper print security, these documents are at risk of unauthorized access, data leakage, and compliance violations, which could harm the company's reputation and lead to legal penalties.

Solution:
Preton Print Security provides insurance organizations with:

- **Content Scanning:** Scans print jobs to identify sensitive insurance data, such as claims details, medical information, and personal customer information. Documents containing sensitive data are flagged and an alert is sent to the DPO for review.
- **Print Job Archiving:** Archives print jobs securely, making it easy to retrieve documents for audits or compliance purposes. The archived documents are fully searchable.
- **Automatic Watermarking & User Annotation:** Adds "Confidential" watermarks to documents and tracks user details (username and time stamp) for traceability.
- **Print Restrictions Based on AD Role:** Restricts access to certain types of print jobs based on role, ensuring that only authorized employees can print sensitive insurance information.

Impact:
Insurance companies using Preton Print Security can ensure compliance with industry regulations like GDPR and HIPAA, reduce the risk of data leakage, and protect customer privacy. The system also enhances operational efficiency by preventing unnecessary print jobs and streamlining document retrieval processes.