PKWARE DATA DISCOVERY

INTELLIGENT IDENTIFICATION AND PROTECTION FOR SENSITIVE DATA

As companies around the world grow, transform, and compete, the amount of data they generate and process is growing exponentially. In order to build customer trust and create competitive advantage, businesses must protect their rapidly expanding data from internal and external threats.

To keep data safe, organizations must first find where sensitive information resides in their networks and devices, and then take steps to protect that data. Unfortunately, traditional discovery solutions provide limited remediation options—blocking actions or deleting data—that have little practical value. The few discovery solutions that offer data protection require customers to accept inadequate implementations, often forcing entire companies to share a single encryption key.

Traditional data protection solutions are equally limited. The vendors who do offer quality data protection products don't offer discovery capabilities. The lack of adequate solutions for discovery and data protection can leave an organization vulnerable while it searches for a path forward.

PKWARE: INTEGRATED DATA DISCOVERY, CLASSIFICATION, AND PROTECTION

PKWARE integrates intelligent data discovery with classification and data protection—and does it in the same workflow. It's the simplest, most integrated way for organizations to identify sensitive information and protect it against loss, theft or misuse.

PKWARE agents continuously monitor storage locations for sensitive information. Each time a file is added or modified, PKWARE initiates a scan based on the organization's policies. If data fits one of the defined patterns, the system can apply classification tags and remediation via encryption, masking, quarantine, or deletion. All activity is logged for audit and reporting purposes, making it easier for organizations to meet their compliance obligations.

The discovery and encryption process is transparent to end users, while PKWARE's Smartkey technology ensures the organization maintains complete control over data protection activity.

WHAT IS SENSITIVE DATA?

PKWARE can detect and remediate sensitive data based on a wide range of criteria. Agents can be configured to search for data based on common formats such as credit card account numbers or Social Security numbers, or based on industry or government mandates including those listed below.

- PII
- PHI
- PCI
- GLBA
- HIPPA
- HITECH
- FERC/NERC/CEII
- FERPA
- FISMA
- ITAR
- SOX
- GDPR

In addition, PKWARE can identify and protect data that meets an organization's own definition of sensitive information, such as source code and other intellectual property.

CATEGORIZE SENSITIVE FILES

Organizations can use PKWARE to indentify and secure sensitive information in network storage locations or user desktops and laptops, ensuring persistent data protection and unprecendented visibility.

01 Administrators create filters consisting of one or more data patterns

02 Filters can be grouped together in filter bundles based on compliance mandates (HIPAA, PCI, etc.) or business processes

03 Administrators apply filters and filter bundles to employees, groups, or selected file storage locations on servers or NAS ("lockers")

04 Administrators select the remediation to be applied when a file meets the definition of sensitive data, along with the encryption keys to be used in remediation

05 Any file activity on an employee's device or in a locker triggers a discovery scan (followed by classification and remediation as needed)

06 When reporting is enabled, every remediation event is captured in full detail

07 Administrators can grant or revoke access to encrypted information at any time

TECHNICAL SPECIFICATIONS

INTEGRATES INTO EXISTING APPLICATIONS

- Microsoft Windows
- Linux

ALGORITHMS

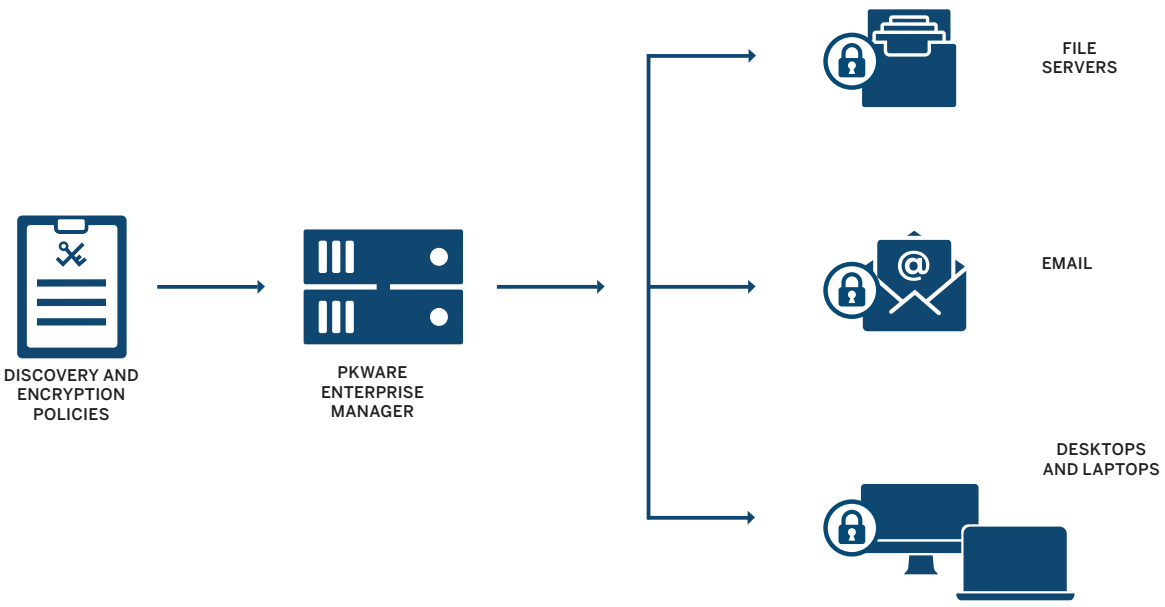
- Encryption: AES256 (block level encryption in AES-CBC mode)
- Signing: RSA 2048 SHA 512 PSS (metadata)

KEY STORAGE AND RETRIEVAL

- OASIS KMIP
- PSCS#11

FILE ENCRUPTION CERTIFICATE AND KEY TYPES

- Smartkeys
- X.509 Digital Certifcates
- OpenPGP



PKWARE®

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