

Reduce and Secure Data, Shrinking Transport & Storage Costs, while Providing Security in the Cloud

Smartcrypt is the only offering that reduces and secures data with portability and interoperability across all major operating systems and devices. One solution, not several point products, handles structured and unstructured data for immediate access across your extended enterprise—regardless of varying platforms, applications and formats, in any mix of cloud, virtual, and physical systems.

CLOUD CHALLENGES

SECURITY RISKS

Clouds present complex security issues and open Pandora's Box for unintended consequences-critical corporate data, customer information, and intellectual property are at increased risk. Cloud providers do not assume responsibility and the enterprise forfeits control of the security when data is handed over.

STORAGE EXPENSE

Companies are charged by the amount of data that is put into the cloud; therefore, providers lack motivation to compress that data. Any compression by providers is deemed unreliable since encrypted data cannot be compressed.

TRANSFER VULNERABILITIES

The potential for data breaches is multiplied as data travels to and from the Cloud using various networks especially in highly mobile and distributed workforces.

CLOUD SOLUTIONS

DATA CENTRIC SECURITY

Smartcrypt protects with persistent file-level security independent of system, application or data format, "at rest" or "in motion". Smartcrypt renders data unusable to anyone that does not have the key to decrypt it and ensures data integrity even when lost or stolen.

REDUCE COSTS

Smartcrypt can reduce the size of data by up to 95% and thus storage costs savings of up to 95%. With a reduction in data size, more data is transmitted without increased bandwidth or the burden and costs associated with additional storage uptake.

CLOUD READY

By design, Smartcrypt protects data transfers regardless if the networks in use are cellular, Wi-Fi, public or shared wires. Security procedures can be integrated into the existing workflow for cloud services to prevent against insider threats in the public cloud (i.e., a public cloud administrator has access to data from multiple customers) as well as external threats (i.e., remote hackers and attackers exploiting a web application portal).

CLOUD CHALLENGES

VM CONTROL

Sensitive data that is transferred to an unprotected VM will be exposed to users with access to the shared server. Any data stored in dormant VMs lacks protection when the operating system is not active or properly patched. VM sprawl wastes resources and creates unmonitored servers that could have access to sensitive data.

NON-COMPLIANCE PENALTIES

Extended enterprises, partner networks and virtual machines are continuously scrutinized for compliance. All sensitive data must be protected with appropriate measures.

CLOUD SOLUTIONS

VM PROTECTION

Smartcrypt protects data even when the VM operating system is not active or not properly patched. It is designed for consistent security in any virtual or hybrid environment — when cloud providers manage, provision and orchestrate multiple VMs or within a single provider's cloud. And, to yield transfer and storage cost reductions, Smartcrypt reduces the data before securing it. Additionally, Smartcrypt aggregates many data files within one data container and minimizes the risk of losing an individual file in transit.

ASSURED COMPLIANCE

Persistent file-level security protects your most sensitive information and addresses regulations such as PCI, HIPAA/HITECH Act, EU Privacy Act and FIPS 140-2.

Smartcrypt armors data at its core, eliminating vulnerabilities everywhere data is used, shared or stored. For nearly three decades, PKWARE has provided encryption and compression software to more than 30,000 enterprise customers and over 200 government agencies.



Corporate Headquarters

201 E. Pittsburgh Ave.
Suite 400
Milwaukee, WI 53204
1.800.219.7290

EMEA Headquarters

Building 3, Chiswick Park
566 Chiswick High Road,
London W4 5YA
+44 (0) 208 899 6060

Find out more about our customers and solutions at pkware.com