



COMPRESS AND SECURE DATA, SHRINKING TRANSPORT & STORAGE COSTS, WHILE PROVIDING SECURITY IN THE CLOUD

Smartcrypt is the only solution that compresses and secures data while ensuring 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

Cloud environments present complex security issues with the potential for unanticipated 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 security when data is handed over.

STORAGE EXPENSES

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 should be deemed unreliable, because encrypted data cannot be compressed.

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

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DATA-CENTRIC SECURITY

Smartcrypt protects data with persistent file-level security independent of system, application or data format, whether data is at rest or in motion. Smartcrypt renders data unusable to anyone who does not have the key to decrypt it, and ensuring data integrity even after a theft or loss.

REDUCED COSTS

Smartcrypt can reduce the size of data by up to 95%, dramatically reducing storage costs. With a reduction in data size, more data can be transmitted without increased bandwidth or the burden and costs associated with additional storage usage.

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

Cloud Challenges

unmonitored servers that could have access to sensitive data.

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cloud). Additionally, Smartcrypt aggregates many data files within one data container, minimizing the risk of losing an individual file in transit.

NON-COMPLIANCE PENALTIES

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

ASSURED COMPLIANCE

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

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