

Securing Data in the Cloud

SOLUTION BRIEF

Maintaining Control and Compliance with Data-centric Information Security



"In today's dynamic cloud environments, the legacy physical security approaches of the past simply don't cut it any longer. With proven solutions that offer granular, persistent security controls, SafeNet enables customers to fully leverage the business benefits of cloud computing - without having to make sacrifices in security."

Russ Dietz,
Chief Technology Officer,
SafeNet



Cloud computing services can deliver clear cut benefits to a host of companies, offering an outsourced, elastic, pay-as-you-go computing infrastructure. Just as the benefits are obvious, however, so too are the security concerns. When outsourcing data storage, applications and infrastructures to cloud service providers, how do organizations ensure that sensitive data remains secured? How do companies remain in control of critical information assets and compliant with all mandates and policies?

Risks to Data Inhibit Cloud Adoption

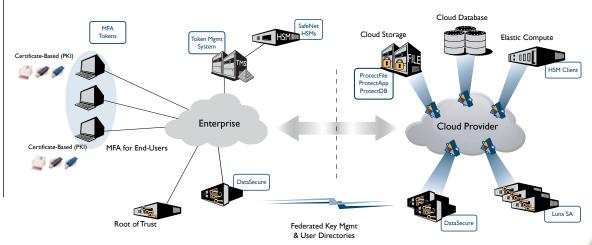
Today, issues of risk, data privacy, and compliance are the chief inhibitors to most organizations' adoption of cloud services. In fact, Gartner Group identifies data location risk, risk of data loss, and data security risk as three of the top five barriers to cloud adoption. While security can be seen as an obstacle to the broad adoption of cloud computing, it can in fact be an enabler. By finding a way to effectively safeguard data in the cloud, enterprises can begin to fully maximize the business potential of cloud offerings.

The "virtual" nature of the cloud removes many of the physical work-flow and perimeter-based control points to contain sensitive information. Therefore, it is essential that cloud security platforms take on a data-centric approach.

SafeNet Protects Data in the Cloud

With SafeNet's security offerings, organizations can fully leverage the business benefits of cloud environments—while ensuring trust, compliance, and privacy. SafeNet offers intelligent, data-centric solutions that persistently protect data throughout the information lifecycle and evolve to support changing cloud delivery models—from today's SaaS and private clouds, to the evolving demands of hybrid and public clouds.

SafeNet offers a broad set of solutions that enable both enterprises and cloud providers to protect data in the cloud. SafeNet solutions offer an unparalleled combination of features—including central key and policy management, robust encryption support, flexible integration, and more—that make cryptography as a service practical, efficient, and secure.



SafeNet Cloud Security Solutions

Secure access to cloud resources with intelligent authentication tokens —



Ensuring that only authorized users gain access to cloud-based resources is critical for cloud providers and enterprises. Providers need to ensure proper access controls for users at client sites, and for administrators within the service provider's organization. SafeNet's wide range of multi-factor strong authentication solutions ensure that only authorized individuals access your organization's sensitive information—enabling business, protecting your data, lowering IT costs, and boosting user productivity.

Secure cryptographic key storage —



Any cryptographic system and trust in the protected data is only as strong as the underlying protection of the keys used to encrypt data. A centralized, hardened security appliance manages cryptographic keys, access control, and other security policies. In addition, a virtualized instance of this appliance is deployed in the cloud to replicate policies and security enforcement on the data. Security administrators can dictate policy based on business content, documents, and folders in order to ensure only authorized users and groups access sensitive data. SafeNet hardware security modules offer centralized, FIPS- and Common Criteria-certified storage of cryptographic keys.

Secure storage in the cloud across file, application, and database systems —



Driven by a need to use the cloud's elastic storage, enterprises can securely store data in the cloud, effectively using the cloud for the backup, disaster recovery, and archival of data. SafeNet provides protection of stored data through a hardened appliance that centralizes encryption processing, keys, logging, auditing, and policy administration across file, application, and database systems.

Secure infrastructure within public and hybrid clouds -



Clouds are a target rich environment for cyber attacks on the interconnected critical fabric that weaves together the elastic computing, storage and connectivity in the back-end of the cloud data centers. SafeNet provides strong Layer 3 and Layer 2 link encryption solutions to harden this critical network infrastructure while maintaining low-latency -- high throughput data exchanges to keep the cloud operating at peak efficiency.

Together, these solutions deliver the critical capabilities required for a robust, cost-effective, and secure cloud security implementation.

For more information about SafeNet solutions visit www.safenet-inc.com/cloudsecurity



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