The Challenge
Organizations want to move more of their sensitive data to cloud platforms because of the efficiency, flexibility and scalability that it promises. Yet, security and control continue to be a significant obstacle to this adoption. How can organizations feel comfortable that their data is safe when it is off-premises? Moreover, how can they demonstrate data control to their auditors when that data is no longer in their data center? Despite all of the advances made in virtualization technology, the fundamental challenges organizations face still remain, that is; security and compliance.

The Solution: Gemalto + VMware Cloud on AWS: Facilitating Cloud Adoption Through Key and Data Control
Fortunately, Gemalto and VMware have teamed up so organizations can enjoy the benefits hosting data in the cloud has to offer. Organizations that run VMware Cloud on AWS can use the SafeNet KeySecure encryption key and policy management platform along with SafeNet encryption and tokenization solutions to keep data safe as it lives in the cloud.
Gemalto + VMware Cloud on AWS Key Benefits

- **Heterogeneous Key Management**: Manage keys for a variety of encryption and tokenization products including the SafeNet Data Protection Portfolio, self-encrypting drives, tape archives, Storage Area Networks, and a growing list of vendors supporting the OASIS Key Management Interoperability Protocol (KMIP) standard.

- **Full Lifecycle Key Support and Automated Operations**: Simplify management across the entire key lifecycle including secure key generation, storage and backup, distribution, deactivation and deletion. Automated, policy driven operations simplify key expiry and rotation tasks.

- **Centralized Administration of Granular Access, Authorization Controls and Separation of Duties**: Unify key management operations across encryption deployments in a central management console and restrict administrators according to the scope of their responsibilities. Use existing LDAP or AD directories to map administrative and key access for application and end users.

- **Auditing and Logging**: Log and track all key state changes, administrator access and policy changes in detail. Securely store and sign audit trails for non-repudiation and make them available to leading 3rd party SIEM tools.

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**SafeNet KeySecure Overview**

SafeNet KeySecure is an enterprise key and policy management platform that lets organizations centrally manage their encryption keys to ultimately demonstrate ownership of their data.

With SafeNet KeySecure, customers can manage a wide array of cryptographic content (keys and related data) and applications capable of running on–premises, in the cloud or hybrid environments. Its key management services aren’t isolated to just the cloud in which it is deployed; irrespective of its location, be it stored in a database, file server, application, traditional or virtualized data center, or public cloud environment, SafeNet KeySecure can manage encryption keys from multi-cloud deployments to ensure your sensitive data is secure from compromise.

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**SafeNet KeySecure and Data Protection Benefits**

**Centralization**
Single, centralized platform for managing cryptographic content (keys and related data) and applications.

**Simplify Compliance**
Efficiently audit key management practices, save staff time, and simplify attainment of compliance mandates. Supports centralized auditing of key management practices such as FIPS 140-2, PCIDSS, HIPAA, and GDPR.

**Lower Administration Costs**
Lower the cost of key management and encryption with centralized administration and automated operations.

**Boost Cloud Security**
Customers can store and manage keys in central, hardened appliances, and gain the visibility and control they need to consistently and effectively enforce security controls.

**Use Case Expansion**
Transform your key management appliance into a server that includes support for the market’s broadest portfolio of encryption and tokenization solutions. Secure data at any level in the cloud from its creation to rest.

To learn more about SafeNet KeySecure on VMware Cloud on AWS, visit the SafeNet KeySecure VSX Listing.

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**SafeNet Data Protection Solutions**
Gemalto’s SafeNet data protection portfolio offers a comprehensive range of encryption and tokenization solutions to secure data in VMware virtualized environments. The following solutions comprise the SafeNet portfolio.

- **SafeNet ProtectApp**: Application-level Encryption
- **SafeNet Tokenization**: Application-level Tokenization
- **SafeNet ProtectDB**: Column-level Encryption
- **SafeNet ProtectFile**: Transparent File Encryption
- **SafeNet ProtectV**: Virtual Machine Encryption

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