Secure Data-at-Rest in Oracle Cloud with Gemalto's SafeNet KeySecure and Data Protection Portfolio

Oracle Cloud Infrastructure customers can secure their cloud workloads and reduce the complexity of managing heterogeneous security solutions with an integrated SafeNet Encryption and Key Management offering.

As companies migrate to the cloud, protecting sensitive information efficiently is a priority, especially with regionalized legislation like the European Union’s General Data Protection Regulation (GDPR) or U.S. state data breach notification statutes. By extending Gemalto’s SafeNet Encryption and Key Management solutions to Oracle Cloud, enterprise customers can also maintain full control of encryption and key lifecycle management in either on-premise or multi-cloud environments, helping to improve: security, visibility, cost and compliance controls.

Integration Key Features and Benefits

Gemalto’s SafeNet Encryption and Key Management solutions help enterprises easily align data protection policies and business processes without compromising the integrity and security of their data through an easy-to-deploy, centrally managed solution.

By deploying the SafeNet Data Protection Portfolio in Oracle Cloud Infrastructure, enterprise customers can maintain full control of their data whether it is in either on-premises or multi-cloud environments, helping to improve:

> 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.

> Compliance auditing - Centralized key management operations lets customers produce comprehensive logs that demonstrate compliance with stringent security policies and industry regulations.

> Scalability - Customers can easily scale their key management and encryption to address the challenges of securing more data across numerous cloud environments.

> Simplicity - Administrators have one comprehensive portfolio to enable a multi-cloud security strategy that is fast, easy and efficient.

Oracle Products

Oracle Cloud gives customers flexibility to choose their preferred cloud operating models and the horsepower they need to run all of their workloads in the cloud offering IaaS, PaaS and SaaS.

<table>
<thead>
<tr>
<th>Oracle Applications</th>
<th>Compatible Gemalto SafeNet Encryption and Key Management Products</th>
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| Oracle 11g and 12g Database, Oracle MySQL | > SafeNet ProtectDB  
> SafeNet ProtectV  
> Oracle TDE  
> SafeNet ProtectFile |
| Oracle WebLogic                      | > SafeNet ProtectApp                                         |
| Oracle Linux                         | > SafeNet ProtectFile                                       |
| Oracle VM Virtual Box                | > SafeNet ProtectDB                                         |
| Oracle Golden Gate                   | > SafeNet Virtual KeySecure k170v                            |
|                                      | > Used by many Gemalto customers to ensure optimal performance of SafeNet KeySecure and Data Protection Portfolio |

For complete list of Oracle Integrations see our partnership page at https://safenet.gemalto.com/partners/oracle/.
Gemalto Products

Comprehensive Data Protection for Your Enterprise

Gemalto offers a complete, enterprise-ready platform that provides centralized and uniform data protection across your on-premises, virtual, and public cloud environments. Gemalto’s SafeNet Encryption and Key Management solutions preserve data’s integrity and security without compromising business processes.

Gemalto’s SafeNet Data Protection portfolio offers a comprehensive range of encryption and tokenization solutions to secure data-at-rest and data-in-motion across organizations regardless of their operational or IT architecture. Its file system-level, database column-level, application-level encryption, virtual machine full disk encryption, and bothvaulted and vaultless tokenization solutions can secure data at any point in its lifecycle from creation to storage. Organizations can thus address a wide range of challenges from simply encrypting data that stays at rest to encrypting data and ensuring only ciphertext is ever transmitted across the network or outside the organization. These solutions are cloud agnostic; in addition to the Oracle Cloud they work in any public or private cloud, as well as in any virtualized environments.

SafeNet data-at-rest solutions enable you to:

> Protect and control access to your data - SafeNet Data Protection solutions provide granular access controls and encryption of sensitive structured and unstructured data at all levels of the enterprise data stack, including the application, database (column or file), filesystem, and full disk (virtual machine)

> Protect and manage your keys - All of the SafeNet Data Protection solutions work with SafeNet KeySecure, a FIPS 140-2 compliant enterprise key manager for centralized key and policy management across multiple sites. For optimal security, keys are stored separately from the protected data.

> Secure Your Data-at-Rest - Coupled with SafeNet KeySecure, the SafeNet Data Protection Portfolio keeps administrators in full control of their data wherever it resides and however it is used.

Gemalto’s SafeNet Encryption and Key Management products compatible with Oracle Cloud Infrastructure:

> SafeNet KeySecure
> SafeNet Virtual KeySecure
> SafeNet ProtectApp
> SafeNet ProtectFile
> SafeNet ProtectDB
> SafeNet Tokenization
> SafeNet Oracle TDE

For more product information, please visit Gemalto on the web at https://safenet.gemalto.com/data-protection/.

About Oracle Cloud

The Oracle Cloud offers complete SaaS application suites for ERP, HCM and CX, plus best-in-class database Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) from data centers throughout the Americas, Europe and Asia. For more information about Oracle (NYSE: ORCL), please visit us at www.oracle.com.

About Oracle Partner Network (OPN)

Oracle PartnerNetwork (OPN) is Oracle’s partner program that provides partners with a differentiated advantage to develop, sell and implement Oracle solutions. OPN offers resources to train and support specialized knowledge of Oracle’s products and solutions and has evolved to recognize Oracle’s growing product portfolio, partner base and business opportunity. Key to the latest enhancements to OPN is the ability for partners to be recognized and rewarded for their investment in Oracle Cloud. Partners engaging with Oracle will be able to differentiate their Oracle Cloud expertise and success with customers through the OPN Cloud program – an innovative program that complements existing OPN program levels with tiers of recognition and progressive benefits for partners working with Oracle Cloud.

To find out more visit: http://www.oracle.com/partners.

For more information regarding Oracle’s joint solution with Gemalto, please visit Oracle Cloud Marketplace.

About Gemalto’s Safenet Identity and Data Protection Solutions

Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions— from the edge to the core. Gemalto’s newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.

Contact Us: For all office locations and contact information, please visit safenet.gemalto.com/contact-us

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