Vormetric Data Security for Amazon Web Services

Secure and Control Data in the Cloud

The Cloud Security Challenge

Enterprises moving sensitive data into the public cloud face new compliance and privacy concerns. While cloud service providers offer dramatic benefits in enterprise agility and cost reduction, the accountability for securing data in the public cloud remains with the enterprise. Concerns around potential data breaches, regulatory fines, and damaged reputations are amplified as enterprises consider cloud computing. The ability to secure and control data in the public cloud enables enterprises to unlock the benefits of cloud computing while meeting compliance requirements and managing security risks.
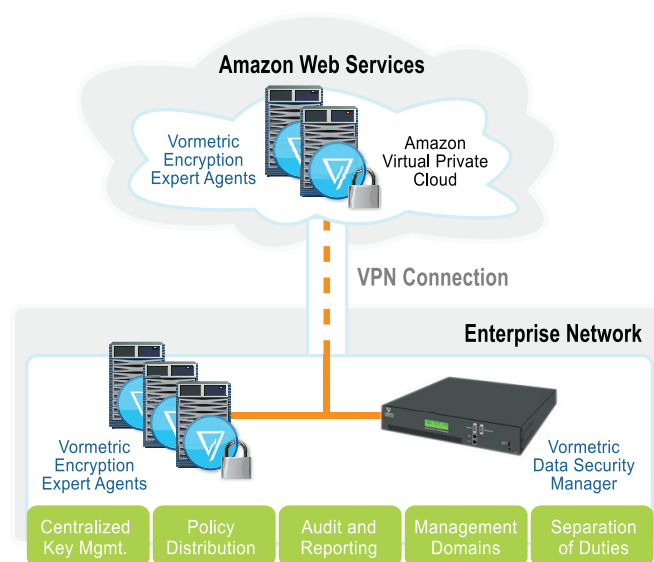
Vormetric Secures Data for the Amazon Cloud

Vormetric Data Security for Amazon Web Services (AWS) enables enterprises to protect and control their sensitive data in the Amazon cloud using the same encryption approach that protects enterprse data and helps pass audits for regulations such as PCI DSS and HIPAA/HITECH. Vormetric uses powerful encryption and flexible key management to protect structured and unstructured data in Amazon. This allows enterprises to control access in the Amazon cloud specific to any file, any database and under any application while

communicating usage and audit information from an Amazon Machine Instance to the enterprise console. The console establishes policies, secures specific files, and generates audit reporting for all data, both inside the enterprise network and in the Amazon cloud.

The benefits of Vormetric Data Security for AWS include:

- **Rapid deployment:** Data in Amazon is encrypted in place, avoiding delays associated with re-architecting applications or modifying data structures.

- **Granular:** File-level encryption enforces encryption, enables access control policies, and audits usage at the Amazon Machine Instance, process, and user layers.

- **Separation of Duties:** Data in Amazon cannot be accessed without appropriate credentials, but metadata is in the clear so IT administrators can perform tasks without accessing protected information

- **Confidence:** Vormetric provides a security solution certified to the US National Institute of Standards and Technology (NIST) FIPS 140-2 standard using technology that has helped enterprises pass compliance audits for standards including PCI DSS, HIPAA/HITECH and is deployed by the US Government.

- **Management Simplicity:** A single console in the enterprise manages encryption, applies policies, and generates audit reports for physical, virtual and cloud environments.

- **Portability:** Policy enforcement surrounds the data, eliminating redundant policy stores for on-premise/private cloud and public cloud infrastructures, while ensuring consistent enforcement of security standards and adherence to compliance requirements in the enterprise and in the Amazon cloud.

Combining Cloud Agility With Data Protection

Vormetric Data Security for AWS encrypts individual files or folders in place and avoids the limitations of volume-level encryption that encrypt an entire storage volume. Encrypting individual files allows enterprises to control data access at the machine instance, user, and process levels. This approach also enables enterprises to take advantage of cloud computing's speed and flexibility by avoiding the need to re-architect applications or modify data structures.

Centralized Management for Physical, Virtual and Cloud

Vormetric provides an enterprise-class, extremely low TCO and highly configurable system to establish policies and manage data security across the distributed enterprise, including physical, virtual, private and public cloud environments. Enterprises deploying sensitive data in Amazon EC2 instances can control and manage that data from the centralized console that also manages data security inside the enterprise.

Amazon Web Services Support

Vormetric supports the following Amazon Web Services environments and services:

- Amazon Elastic Cloud Computing (EC2)
- Amazon Virtual Private Network (VPN)
- **Operating System Support:** Vormetric supports the broadest array of platforms on the market. For an updated list of for Amazon AWS supported platforms please contact Vormetric.

ABOUT VORMETRIC

Vormetric is the only provider of high-speed, policy-based encryption for data residing on heterogeneous databases, servers and storage. The largest, most regulated and security-conscious organizations in the world rely on Vormetric to secure data within performance-sensitive, mission-critical systems. Vormetric maintains strategic partnerships with IBM for database encryption and Symantec for backup encryption.

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