ENCRYPTION CONSULTING

DATA SHEET

Data Protection Assessment for AWS Cloud

Overview

Encryption Consulting's industry leading expertise helps clients identify and evaluate the security gaps existing in the current "AWS Cloud Security Architecture" through a well researched assessment process across data protection domains. We perform security current state assessment beanchmarking against industry data protection standards and regulations such as NIST, ISO, GDPR and AWS best practices. Domain to be covered under the AWS Cloud Data Protection Assessment are:

- **Cloud Data Discovery**
- **Cloud Data Governance**
- **Data Leakage Prevention**
- **Encryption and Tokenization**
- **AWS Certificate Management**
- **Data Retention & Destruction**

Why Choose Encryption Consulting LLC?

Encryption consulting is a leading cyber security firm with a spread of expertise across domains in Cryptography and Cloud Security. Encryption Consulting recruits industry best resources with ample amount of experience in Cyber Security with capability to perform comprehensive tasks especially in Data Protection Domains. Cryptography and Key Management are core service areas.

Expertise Dedicated for your Cloud Data Protection

Encryption Consulting's team, with their solid expertise, performs document review along with remote interviews and workshops to identify gaps and provide data protection assessment recommendations as per the industry best practices. Tailor made assessment controls and questionnaire will be developed as per the client requirements.

Key Benefits

- **Enhance Cloud Security posture**
- **Identify security gaps in your AWS Cloud Infra**
- **Remediate gaps via recommendations developed based on Industry's best practices**

Our Approach

Encryption Consulting's AWS Cloud DataProtection Assessment involves developing an Assessment control document based on industry benchmark standards such as Centre for Internet Security (CIE) standards, NIST, ISO 27001, and GDPR to secure Amazon Web Services (AWS) in compliance with regulatory laws. Requirements are categorized under each data protection domain as People, Process and Technology. During the Assessment, Encryption Consulting security experts will perform a review of your AWS cloud infrastructure and architecture to detemine the security gaps.

Data Protection Assessment Process

AWS Cloud Data Protection Assessment typically consists of four phases –
Documentation Review, Remote Workshops, Gap Identification and Reporting.
Duration for the Assessment depends on the client engagement requirement.
Encryption Consulting's consultants perform the following activities under each phase:

Phase 1 Documentation Review

- Perform offsite review of Data Protection policies, standards, AWS architecture design and documentation, logging standards, Incident Management policies and standards and other relevant AWS documentation (as per the requirements)
- Design assessment framework based on industry best practices and regulatory requirements.

Phase 2 Remote Workshops

- Perform a series of remote workshops for each identified core focus domain in collaboration with key client stakeholders
- Document responses based on workshop outcome for gap identification

Phase 3 Gap Identification

- Perform gap identification based on workshop outcomes to ensure cloud data protection practices are in accordance with standard security, and protective guidance
- Develop recommendations for each identified gap based on best practices followed across the industry

Phase 4 Reporting

- Provide a report that details practical technical recommendations to enhance the AWS data protection, visibility and detection landscape.
- Recommendations are prioritized based on order of implementation.

Deliverables

At the end of the AWS Cloud Data Protection Assessment, Encryption Consulting experts will provide a detailed report that includes:

1. A snapshot of the existing AWS Cloud Data Protection landscape along with the gaps identified.

2. AWS Data Protection best practices to align with current industry benchmark standards and global regulations.

3. Practical and prioritized recommendations for enhancing security and detection landscape.

Client References

1. Global Financial Services Organization

Background

A leading global financial services organization sought out an AWS Cloud Data Protection Assessment exclusively for Key and Certificate Management. The request was to check for GDPR compliance because the firm operated inside EU domain.

What we did

- Designed requirements framework for assessing Key and Certificate Management security posture based upon GDPR (primarily) and other industry best practices.
- Identified gaps in the firm current state processes and provided recommendations to enhance compliance and risk rating
- Provided integrated reporting for Key and Certificate Management to a variety of stakeholders throughout the organization
- Implemented the provided recommendations as per the agreed up on timeline during Phase-2 of the engagement and achieved compliance with GDPR.

Outcomes/impact

- GDPR regulatory compliance
- Enhanced Key and Certificate Management security posture
- Overall reduction of risk across AWS applications portfolio

2. Global Health Care Corporation

Background

A global health care and electronics corporation decided to perform an overall data protection assessment for AWS cloud data and required a strategic roadmap to enhance the security landscape. They wanted to create training and awareness on data protection among the key stakeholders

What we did

- Performed document review and assessment framework for all six data protection domains
- Proposed recommendations based on industry best practices and developed strategic roadmap with prioritized recommendations.
  High priority classified to be implemented in "Do-Now", Medium priority "Do-Next" and Low priority recommendations in "Do-Later" phase.
- Provided instructor led Secure Programming training to the stakeholders on cloud data protection best practices and classification

Outcomes/impact

- Secure gap assessment framework
- Strategic roadmap with implementation plan for next 3 years
- Training and awareness material