DATA SHEET

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Data Protection Strategy and Roadmap for AWS Cloud

Overview

Encryption Consulting's industry-leading expertise helps clients design "AWS Cloud Data Protection Strategy" through a well researched assessment process across data protection domains for Data-At-Rest (DAR), Data-In-Motion (DIM) and Data-InUse (DIU). Our strategy and roadmap design will guide the client towards compliance with standards and regulations such as NIST, ISO, GDPR, and AWS best practices. Domains to be covered under the AWS Cloud Data Protection Strategy are:

Cloud Data Discovery
We perform cloud wide discovery to identify sensitive data for data mapping and inventory. AWS databases such as Redshift, dynamo, RDS etc. will be considered for DAR scans.

Encryption & Tokenization
AWS Cloud data to be secured using efficient tools SafeNet ProtectV to safeguard data from unauthorized parties

Data Retention & Destruction
Data retention and destruction strategy to be determined based on regulatory requirements and compliance

Data Leakage Prevention
We design strategy to prevent the risk of data breach and manipulation using AWS Security Hub or equivalent tool.

AWS Certificate Management
We develop strategy to identify, manage and deploy SSL/TLS certificates on ACM-integrated resources – Elastic Load Balancer, Cloud Front

AWS Key Management
Resilient deployment strategy using hardware modules in compliance with FIPS 140-2 for secure Key Management in AWS

Why Choose Encryption Consulting LLC?

Encryption consulting is a leading cyber security firm with a spread of expertise across domains in Data Protection, Cryptography and Cloud Security. Encryption Consulting recruits industry bestresources 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 will evaluate the existing Data Protection strategy and controls through assessment to identify crown jewels and areas with highest risk. Outcomes are considered to design strategy with priority order of implementation. This will enable you to prioritize your efforts and budget efficiently.

Key Benefits

- **To Protect** proprietary and sensitive data

- **To Comply** with regulatory and standard requirements

- **To Align** with AWS Cloud industry best practices

Our Approach

Encryption Consulting's team will evaluate the existing strategy and determine the target state through assessment and workshops. Recommendations are determined and categorized based on risk prioritization. Based on the prioritized recommendations Strategic Roadmap is designed with "Do-Now", "Do-Next" and "Do-Later" implementation phases and timeline.

Design and Planning

• Design project plan with work activities and timeline

• Develop assessment framework to identify recommendations for AWS Cloud

• Obtain documentation for review

Strategic Roadmap

• Perform assessment based on designed framework and identify recommendations

• Categorize recommendations based on risk rating and critical business requirements

• Design roadmap with "Do-Now", "DoNext", "Do-Later" depending on the identified priority

Executive Summary Reports

• Socialize Strategic Roadmap with key stakeholders for approval

• Develop an executive summary reports indicating the classifiedrecommendations risk rating, implementation plan for CISO level presentation

Deliverables

At the end of the AWS Cloud Data Protection Strategy engagement, Encryption Consulting experts will provide following deliverables:

• Executive summary report

• Strategy with prioritized implementation plan framework

• Training and awareness documentation

• AWS Cloud Implementation roadmap framework

Client References

1. Leading Oil & Gas Organization

Background

A leading global Oil & Gas organization sought out an AWS Cloud Data Protection Strategy and Roadmap for Encryption Strategy implementation. Client requirement was to provide a phase-wise implementation plan as per risk prioritization.

What we did

• Designed requirements framework for assessing AWS Cloud Infrastructure encryption controls to understand the risk appetite

• Provided recommendations to enhance compliance and risk rating

• Developed roadmap for implementing the finalized encryption recommendations for AWS Cloud

• Implemented the provided recommendations as per the agreed up on timeline during Phase-2 of the engagement

Outcomes/impact

• Encryption strategy report

• AWS Encryption implementation plan for one year

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 "DoNow". Medium priority in "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