ENCRYPTION CONSULTING
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DATA SHEET

Data Protection Assessment for GCP Cloud

Overview

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

- **Cloud Data Discovery**
- **Cloud Data Governance**
- **Data Leakage Prevention**
- **Encryption and Tokenization**
- **GCP 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. Cryptography and Key Management being the core service areas, Encryption consulting is capable of delivering the best Data Protection controls to your Google Cloud Platform (GCP) tech landscape, be it IaaS, PaaS or SaaS.

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 GCP Cloud Infra**
- **Remediate gaps via recommendations developed based on Industry best practices**

Our Approach

Encryption Consulting's GCP Cloud Data Protection 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 Google Cloud Platform(GCP) in compliance with regulatory laws. It will also make sure that appropriate amount of vCPUs are allocated to the VMs as per the business requirements. Encryption Consulting security experts will perform a review of your GCP cloud infrastructure Compute engine, Cloud Storage, GKE etc) and architecture to determine the security gaps.

Data Protection Assessment Process

GCP 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, GCP architecture design and documentation, logging standards, Incident Management policies and standards and other relevant GCP 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 GCP data protection, visibility and detection landscape.

• Recommendations are prioritized based on order of implementation.

Deliverables

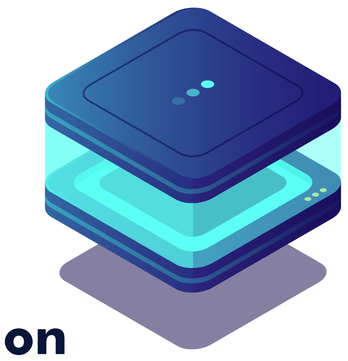
At the end of the GCP Cloud Data Protection Assessment, Encryption Consulting experts will provide a detailed report that includes:

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

2. GCP 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 Customer Based Organization

Background

A leading global customer based organization operating in the ecommerce market sought out an GCP Cloud Data Protection Assessment. The request was to assess logs and implement proper Data Loss Prevention and incident reporting mechanism.

What we did

• Designed requirements framework for assessing Data Protection Maturity and Risk Assessment.

• Identified gaps in the firm current state processes based on logs and other relevant documents and provided recommendations to enhance compliance and risk rating.

• Provided a list of most suitable DLP and incident reporting tools based on the assessment report.

• Implemented the provided recommendations on appropriate controls and DP and DLP practices.

Outcomes/impact

• GDPR regulatory compliance.

• Enhanced end point security with incident reporting mechanism for better resiliency.

• Overall reduction of risk across GCP applications portfolio.

2. Global Health Care Corporation

Background

A global health care and insurance corporation decided to perform migration of there application over the Google Cloud Platform and wanted a post migration service and security enhancements.

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.

Why Encryption Consulting LLC?

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Encryption Advisory Services

Encryption is used for securely protecting data from unauthorized access. Data encrypted can only be seen by those that possess the key to change the data back to plain text. Encryption is now one of the oldest yet still most effective technology solutions able to have data security

Public Key Infrastructure

PKI is a security ecosystem that has stood the test of time for achieving secure Internet-based transactions by the use of digital certificates. Digital certificates have provided security to servers and routers from the very early stages of the Internet through Public Key Infrastructure

Hardware Security Module – HSM

Hardware Security Modules provides protection and strong authentication with cryptographic processing by the use of digital keys inside a physical computing device. This device offers an isolated tamperproof environment which can create and secure cryptographic keys, protecting critical cryptographic operations, all while enforcing self-implemented policies over the keys.

Certificate Lifecycle

Certificates typically have a 4-phase lifecycle - Discovery, Enrollment, Provisioning, and End-of-life. To make your PKI mature and reliable, you must have more control over all the phases

Enterprise Encryption Platforms

Does your business have the need to encrypt large amounts of data-at-rest found in structured databases or in unstructured files across physical, cloud, or both types of environments? Do you want to protect data without disruptive changes to applications or business practices?

Cloud Data Protection Services

The transition towards uploading data on the public cloud is now becoming the normal standard. With relying on the cloud for data storage, cloud security must now become the number one priority for organizations

See it in action

Encryption Consulting LLC is a customer-focused cyber securtiy consulting firm providing an array of services in all aspects of data protection.

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