

DATA SHEET

Data Protection Assessment
for GCP Cloud



Key Benefits

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

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.

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

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 Workshop

- 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:

- A snapshot of the existing GCP Cloud Data Protection landscape along with the gaps identified.
- GCP Data Protection best practices to align with current industry benchmark standards and global regulations.
- 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 “Do-Now”. 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

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