

DATA SHEET

Cloud Access Security Broker (CASB) Services



Introduction

A cloud access security broker (CASB) is a software tool that sits between an organization's on-premises infrastructure and a cloud provider's infrastructure, acting as a gatekeeper to examine cloud traffic and extend the reach of their security policies. CASB plays a pivotal role in ensuring the secure and compliant use of cloud applications and services. As a CASB advisory service provider, Encryption Consulting will help to accomplish all your cloud security, compliance, and governance requirements.

CASB Assessment

Encryption consulting will review the current state to identify the gaps and provide recommendations as part of a comparative study of the current and future state of enterprise scale CASB deployment. This assessment will also address all cloud cyber risk challenges of our customers and provide them with a current state summary as well as future state vision/strategy recommendations.

Objectives:

- Understanding the flow of sensitive data, obtaining visibility into cloud, and identifying areas of improvement.
- Evaluating current CASB tool for each business driver and use case identified in customer's cloud environment.
- Developing an implementation roadmap to remediate the identified gaps, and design use cases and requirements to facilitate the selection of a potential CASB solution.



CASB Strategy

An effective CASB strategy by experts from Encryption Consulting looks at protecting sensitive data going to/from, and within cloud applications, and identifying risks of the data being stolen or compromised. Through this service, we will evaluate your current CASB solution to determine the highly vulnerable areas thereby allowing you to prioritize your efforts and budget to minimise the identified risks. We will also provide outline of our recommendations and develop a roadmap to guide future project activities.

Objectives:

- Develop a strategy for deploying CASB tool to help align and assist in the progress of the company's data protection and cloud transformation efforts.
- Assist in developing and prioritizing a list of sanctioned applications.
- Perform shadow IT scanning and assess risk rating for each application to provide visibility into applications being used in cloud.



CASB Implementation

The experts from Encryption Consulting will assist in the implementation of a CASB solution which will be capable of discovering and assessing the risk of cloud apps, detecting malicious activity in cloud accounts, and classifying and controlling the data in them—regardless of where the user or device resides.

Approach:

- Identify CASB requirements by conducting working session with stakeholders.
- Determine the initial and long-term use cases.
- Prepare summary of leading CASB vendors and their ability to meet client requirements.
- Compare vendor solution capabilities and provide recommendations for the same.
- Provision, configure and deploy selected CASB solution in customer's production environment
- Test plans to prove CASB solution's functionality.
- Perform Policy/Rule testing and tuning.



Why Encryption Consulting LLC?



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 for organizations.



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 Management

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 security consulting firm providing an array of services in all aspects of data protection.

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