Solution Brief

Achieve Complete Data Ownership & Compliance

Overview

Organisations today face constant pressure to balance between information sharing and data security. As individuals realise the consequences of data leaks on their personal safety, they naturally expect organisations to ensure their data are protected. Hence, organisations need to pay attention to data protection.

Globally, regulatory bodies take data security seriously to safeguard sensitive information. However, these regulatory bodies often adopt diverse approaches and perspectives, resulting in the development of intricate and unique sets of regulations surrounding data sovereignty.

Here are some examples:

Reserve Bank of India: Payment data must "only" be stored in India and no copy should exist outside the country. For global operation scale, data can be sent abroad for intraday processing but must be deleted from offshore servers within 24 hours.

Singapore's Personal Data Protection Act (PDPA): Personal data must not be transferred to a country or territory outside Singapore, except in accordance with PDPA requirements.

The CIA triad is a useful framework for organisations to evaluate their information security posture, so as to identify gaps and remediate security concerns, while also considering operational efficiency and cost-effectiveness.

Challenges & Needs

Data Sovereignty Compliance

Against the backdrop of rising geopolitics tension, many governments have looked into the concept of Data Sovereignty and imposed tighter regulations. As such, the crux of the data sovereignty compliance is how organisations are now required to know exactly where data is stored and how they are backed up.

Such requirements put pressure on organisations using public cloud resources to assess whether the setups and controls available are compliant. Where gaps are found, organisations would require alternative solutions to support their business operations.

Data Protection Requirements

In addition, an organisation must ensure that only authorised personnel have access to data to maintain Confidentiality and Integrity. In turn, this requires a system that helps administrators control access and offers them easy-to-review logs. The third pillar of CIA - Availability, requires consistent and secure backups. This enables Disaster Recovery (DR) - to recover data swiftly in the event of disaster or attack.

Solutions

EasiShare

Centralised Platform

File sharers can facilitate secure file collaboration through a simplified and intuitive user experience.

IT Administrators can manage and maintain baseline data security policies centrally across all data storages.

Granular Permissions & Controls for Folders/Files Access

File sharers set detailed user access and modification permissions.

- **Manage Folders/Files:** Only internal users can modify folders/files to prevent unauthorized changes to the original document.

- **Share with View-Only and Expiry Clauses:** Recipients can only view the file or access it within a time limit before expiry.

Complete Visibility of File Activities

EasiShare provides comprehensive, easy-to-read Audit Logs for monitoring the Who, When, and What of file activities. This allows for compliance to regulations requiring monitoring controls and also investigations in event of data breaches.

Cloudian HyperStore Object Storage

Storing Data at the Location-of-Collection

Cloudian enables organisations to store customer data where it is collected, thus keeping it fully protected and sovereign under national laws and jurisdictional controls.

Cost Effectiveness

- Save over **60%** costs compared to traditional enterprise storage or public clouds.

- Run Cloudian software on preferred hardware to avoid hardware tax or the need for mass hardware procurement.

- Reduces expenses associated with regulatory compliance across multiple sites.

A Joint Back-Up Solution

EasiShare enables users to back up local data to a centralized repository within a sovereign region. These files are stored in a highly durable Cloudian Solution for recovery purpose.

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CLOUDIAN®

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Cloudian, Inc. is a US enterprise data storage company headquartered in San Manteo, Califormnia, with offices in Europe and Asia. It produces Amazon S3-compatible object storage software, scale-out file services software, and pre-configured hardware appliances.