Enterprise Email DLP Reliability:

A SEAMLESS CLOUD SOLUTION

CASE STUDY

CLIENT BACKGROUND

- **Enterprise:**
  A state-level organization with 65,000 employees

- **Email System:**
  Primarily reliant on Google for email services

CHALLENGES

The primary concern for the enterprise was the potential business disruption. Ensuring uninterrupted email processing for communication and operational purposes was critical. The requirement was to devise a solution that allowed failover to an alternate cloud system without compromising email processing speed and reliability.

EXECUTIVE SUMMARY

This case study focuses on a successful deployment of a resilient email processing system for an enterprise with 65,000 employees heavily reliant on Google's email services. The key concern was ensuring business continuity in the event of a Google cloud outage. This case showcases how the implementation of a dual GTB inspector strategy on both Google Cloud and Microsoft Azure ensured a seamless transition, processing over 1 million emails per day with no disruptions.

SOLUTION

The proposed solution involved installing two GTB inspectors in each of Google Cloud and Microsoft Azure. This dual inspector configuration ensured continuous email processing. In the event of a failure of the primary inspector, the secondary one seamlessly took over, guaranteeing uninterrupted email flow.
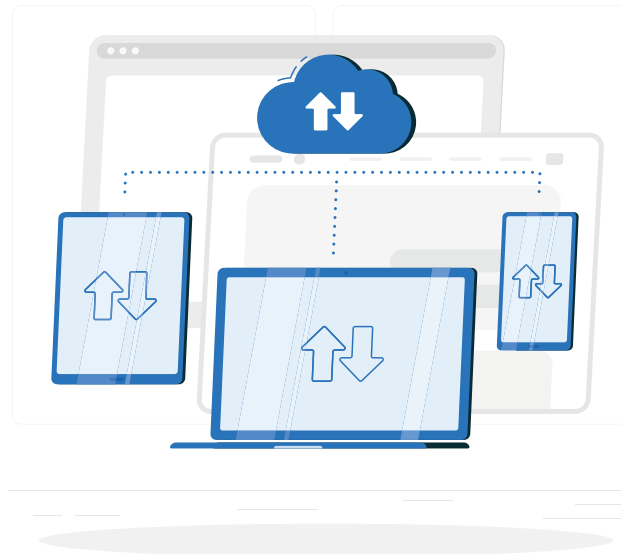
CONFIGURATION:

■ Primary Cloud:

· Google Cloud Platform
· Two GTB inspectors installed for redundancy.

■ Secondary Cloud:

· Microsoft Azure
· Two GTB inspectors installed for redundancy.

■ Failover Mechanism:

· If a GTB inspector on Google Cloud fails, emails are automatically rerouted to the secondary inspector on Google Cloud.

· In the event of a Google Cloud outage, emails are automatically redirected to the inspectors on Microsoft Azure, ensuring continued email processing.

■ Scalability:

Each inspector is capable of supporting a processing rate of 100 GB per second, ensuring scalability and efficient email processing for the enterprise's needs.

OUTCOMES

Today, the deployed system efficiently processes more than 10 million emails per day without any disruptions. The failover mechanism has been put to the test and has demonstrated its effectiveness in maintaining seamless email flow even in adverse situations.