



DATA SECURITY

In today's digital age, companies often employ multi-cloud strategies driven by digital transformation, remote work tools, and data preservation regulations, rendering traditional single cloud models obsolete. The cloud's expansive resources are essential, particularly during the pandemic, which has hastened cloud adoption. Choosing the right cloud provider and transitioning effectively is critical. Proper planning and execution can prevent potential pitfalls. Key factors for successful data storage evolution include cost, performance, integration with on-prem solutions, and ease of migration.

Executive Summary

Your company likely already has a multi-cloud strategy due to digital transformation, remote work tools on SaaS platforms, and data preservation regulations. These factors make the traditional single cloud model obsolete. The cloud's vast resources meet many IT needs, and the ongoing pandemic is accelerating cloud adoption.

Choosing the right cloud provider and reconciling this transition with market realities is crucial. Properly researched and executed projects can help avoid pitfalls. Identifying the right criteria for data storage evolution, such as costs, performance, integration with on-prem solutions, and ease of migration, can help you manage multi-cloud environments effectively.

Chapter 1

Cloud to Cloud Migration in context

The growth in digitalization has led to increased data output, particularly unstructured data like emails, videos, and analytical workflows requiring significant storage capacity. Some companies experience a 100% increase in data every two years. Legislative and regulatory requirements for data preservation add complexity, making cloud storage a preferred solution.

The cloud is integral to most companies' IT infrastructure, and the pandemic has accelerated its adoption. Research shows that enterprises use more than three cloud providers for infrastructure or applications, often following a hybrid model. The choice of cloud provider depends on several criteria, including programming options, management tools, and price.



Gaps in Expectations and reality

Enterprises expect the cloud to simplify operations, increase flexibility, reduce costs, and provide a clearer picture of their data. However, public cloud storage platforms can lead to data residency and regulatory issues, as well as unexpected costs. A significant percentage of organizations have repatriated their data from the cloud due to higher-than-expected service costs and data security issues.

Solutions Exist!

Titan Cloud Storage provides efficient and secure storage at a low cost, while systems like Atempo's Miria for Migration platform resolves many data management and migration issues. Titan Cloud Storage charges significantly less for storage compared to other providers and offers no restoration or API costs. Miria for Migration supports cloud and object storage, enabling data migration and synchronization across various storage targets.

CHAPTER 2: IDENTIFY THE KEY CRITERIA FOR CHANGING YOUR CLOUD STORAGE

Legacy on-premises storage solutions and first-gen cloud storage services are too costly and complex. Titan Cloud Storage offers groundbreaking pricing, performance, and simplicity, making it easier to store any type of data cost-effectively.

Titan Cloud Storage offers storage solutions with strong data protection and security. It provides cost-effective and high-performance storage with advanced features like data immutability and compliance with various regulations.

CHAPTER

3

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RISKS ASSOCIATED WITH CLOUD-TO-CLOUD MIGRATION

Migrating workloads between clouds is complex and requires careful planning and process management. Challenges include adapting to new cloud environments, reducing downtime, and managing budgets and timing.

GET YOUR CLOUD-TO-CLOUD MIGRATION STRATEGY RIGHT

Identify Business Requirements:

Clearly define the reasons for migrating to another cloud provider.

Assess Data Sets and Map the Migration:

Identify data sets, map the project in stages, and provision migration nodes.

Prepare the Data for Migration:

Audit data sets, analyze the structure of the source data storage, and ensure security.

Choose the Best Tool for a Complex Data Migration Project:

Use a comprehensive tool like Miria for Migration.

Run a Data Migration Pilot Test:

Conduct field tests to eliminate data loss risks.

Implement the File Migration Project:

Manage the migration process without disrupting business operations.

Check the Data Migration:

Assess the target storage and ensure user satisfaction.