

Multicloud Strategy

Optimizing growth: Crafting a multicloud strategy aligned with your business



When it comes to modernising the digital platform, the question enterprises ask themselves has evolved from “Should I move to the cloud?” to “Which cloud should I invest in?”. After all, today’s business landscape demands that they address performance, agility, flexibility, and efficiency issues without compromising security—while keeping costs sustainable in the long run.

To that point, both the public and private clouds have their own strengths and weaknesses. The public cloud is often lauded for its agility and scalability, which can be a key contributor to accelerating innovation. Meanwhile, the private cloud offers greater control over data, apps, and infrastructure. And for those dealing with highly confidential and sensitive data such as in finance, hosting on-premise may still be the ideal way to safeguard confidential information.

Here is where the multicloud approach shines. Its ability to allow enterprises to leverage the best of both public and private clouds has made it the dominant architecture according to Foundry’s Cloud

Computing Study 2023¹, with 36% of respondents evaluating/researching it and nearly a quarter (24%) in the process of deploying the multicloud. The same study further found that the average IT budget for enterprises worldwide lies at \$293 million, with 31% of that being allocated to cloud computing, in the next 12 months. Yet, enterprises continue to struggle with a successful multicloud approach.

Before diving into the challenges, it is important to note the key difference between a multicloud approach and simply working on multiple clouds.

While **the former implies the incorporation of multiple clouds**—whether public or private, including on-premise—in an interconnected environment, **the latter points towards the use of different types of cloud within an organisation**, where the use-case of each cloud may not necessarily be linked to one another.

¹ [Foundry, Cloud Computing Study 2023, Sep 2023](#)

Challenges of multicloud adoption

Being able to cherry-pick the best solutions and marry them in a multicloud environment is ideal on paper. But with so many layers of data, systems, and processes involved, ensuring flawless interconnectivity and seamless management between various clouds can be complex and daunting.

Management Complexities

Consider how a study found that 85% of businesses are using at least two cloud platforms and 25% using at least five, each with its own interface and tools for governance, service definition, security, and resource virtualization². As a result, IT teams not only have to build up their knowledge of each platform, the number of tools they amass over time to help streamline management and visibility across the entire stack often caused them to instead be saddled with silos, operational blind spots, and high costs.

Performance and Reliability

The differences in infrastructure and network configurations across different clouds can cause performance disruption when not managed diligently. Workload visibility may also be limited in a multicloud environment, which can affect the reliability of the cloud solutions. In a business environment, every second counts, and even the slightest amount of latency could severely impact business outcomes.

These two factors combined are enough to deter 29% of global organizations from the cloud³.

Security Concerns

Every cloud provider has its own set of security certifications. While it is designed to deliver uncompromising security by itself, it is a different story when dealing with multiple and diverse cloud platforms which can create inconsistent security and compliance. What was used to ensure security could instead impact compliance regulations and specific service level agreements (SLAs), which may even result in unidentified security loopholes.

² Deloitte Insights, Tech Trends 2023, Dec 2022

³ Foundry, Cloud Computing Study 2023, Sep 2023

Cost Management

A multicloud environment allows enterprises to optimize costs by selecting the most cost-effective solutions for every workload and even the flexibility to leverage discounts and other pricing advantages. But juggling multiple cloud solutions also means juggling multiple cloud contracts and budgets can quickly spiral out of control, especially without proper and careful cost management. It has become such a prominent problem that 83% of organizations have practices in place to manage cloud service costs⁴.

Configuring the right fit to meet specific business needs

Despite its hurdles, **multicloud adoption continues to grow given how its benefits far outweigh its cons**—especially

at a time when AI/ML and generative AI applications are gaining traction.

Currently, 20% of production AI/ML workloads are running in private clouds, with 16% running in

hybrid and public clouds respectively, pointing to the need for high-performance computing to support demanding AI/ML requirements.

How then, do enterprises get started on their journey towards the multicloud to harness the AI potential and more? Consider the following key steps:

1. Assess the current environment

Run assessments to collect information around inventory of workloads, relationship between services, technical requirements on operations, data gravity, and security, and the cost needed to run in the cloud. This will provide the comprehensive information needed to get started working with.

2. Define the parameters of workloads

Analyze the results of the assessment to derive insights into the services currently being used by customers, which services can run or be integrated with on-premises solutions (or if not, what alternatives are

⁴ [Foundry, Cloud Computing Study 2023, Sep 2023](#)

present), resource utilization levels, and repatriation targets. This will map workloads to the infrastructure for optimised performance.

3. Design the right fit solution

Choose the right platform based on the workload and customer requirements and size the solution based on the workload

identified for repatriation. This will ensure cost is optimized without sacrificing performance or agility.

Given the significant role of the multicloud in an enterprise's ability to innovate and grow, it is important that they forge the right partnerships for multicloud success.

Multicloud By Design “Unify multicloud on your terms”

LТИMindtree - Full Stack Digital Operations



Gartner Says 50% of Critical Enterprise Applications Will Reside Outside of Centralized Public Cloud Locations Through 2027

LTIMindtree services, powered by Dell Technologies APEX Cloud platform, are designed to help enterprises take the leap towards improving their overall cloud strategies. This means combining Dell APEX Cloud Platforms—a family of fully integrated turnkey systems that supports both ground-to-cloud and cloud-to-ground—with LTIMindtree's deep industry knowledge and expertise to deliver end-to-end multicloud services that bring the best of public cloud agility and full control of the private cloud. This translates to simplified operations, increased agility, accelerated innovation, increased control, predictable cost, enhanced performance, and compliance with data sovereignty and security requirements.

By working with the LTIMindtree team and backed by

industry-leading technology, enterprises can efficiently run multicloud operations through solutions like Full Stack Digital Operations and streamline cloud management with tools such as CloudXperienz, Canvas Alops, and Infinity Suite. To address more current business demands, enterprises can also expect services around ESG goal development, FinOps consulting and optimisation, edge computing with AI, and cloud repatriation services.

LTIMindtree views the multicloud as the ideal solution for enterprises, and one that is here to stay for the long run. Without a one-size-fits-all, LTIMindtree supports businesses by understanding the nature of their business before proposing the most suitable solutions. ♦

[Get in touch to find out if your cloud strategy is the right fit, and how you can make it better.](#)