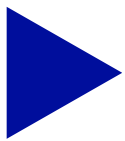# OVHcloud

THE PAINS AND GAINS OF CLOUD MIGRATION

Introduction

Businesses of all sizes and across all industries are on the move to the cloud. Cloud technologies has changed the way businesses consume resources, allowing them to act instantly on market opportunities and providing means at the right time. Nevertheless, besides all the merits of the cloud, there are also some pitfalls and risks companies need to anticipate on their way to the cloud.

▶ The pain points while migrating to the cloud

Calculating TCO

Many organisations are moving to the cloud to reduce costs. Primarily, they want to avoid the investments and hurdles of maintaining hardware and software at their own datacentres. However, to accurately estimate their savings, they need to know the **total cost of ownership (TCO)** of their on-premises environment.

"

The TCO goes far beyond comparing the initial investment in the infrastructure to the recurring price of a cloud IaaS (Infrastructure as a Service). With a variety of factors to evaluate, it is easy to overlook some significant costs. TCO calculations often fail to capture costs, such as hardware lifetime, electrical consumption, or IT staff training and turnover" – explains **Laurent Blin, Product Marketing Leader at OVHcloud.**

Building the business case

Of course, cloud migration is not just about cost savings. It's about gaining new capabilities from scalability, flexibility and geo-redundancy offered by cloud-based infrastructure. Determining business advantages and setting the company's goals is crucial for successful cloud migration. For one company accelerating IT agility will be the major benefit, while others would like to improve collaboration between remote teams. Each company needs to define its own set of valid reasons for the cloud transition.

Migrating legacy applications

Legacy systems are often the reason why organisations delay their cloud transition. Custom-built, siloed applications, which are the backbone of many enterprises, can't be rehosted easily. Companies may choose to replace or refactor a legacy application.

Refactoring means a complete makeover of the source code, a time- and resource-consuming process. On the other hand, replacing software will be disruptive for business operations. In the end, there is always the same question: is it worth it?

Change management processes

Like any major change, migration to the cloud may have broad implications on various levels, from the application architecture, through essential business processes to end-users' cloud adoption. A cloud transition should, therefore, be managed at all these levels.

People tend to resist the unfamiliar, even those who say they are in favour of the change. Reshaping the IT ecosystem and shifting to the cloud can cause uncertainty and confusion, which can, in turn, impact productivity. Coupled with poor communication and a lack of change management processes, this can easily derail the cloud migration process.
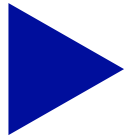
What are the benefits of moving into the cloud?

Boosting agility

To shake up the market and get ahead of the competition, enterprises need agile IT departments, delivering scalable and on-demand resources. Cloud computing, with pay-as-you-go billing and dynamic provisioning, helps companies to develop, test and market new products faster than ever. In highly competitive digital markets, migration to the cloud is no longer just a means to save time and money, but also an important factor in ramping up revenue.

Shifting costs

No doubt, cloud adoption is a way to optimise IT costs. These technologies change how businesses spend their money on IT. For example, the capital expenses of purchasing infrastructure would shift to recurring operational costs of cloud resources. Additionally, a hosted cloud solution frees businesses from certain operational costs related to vendor contracts, warranties and regular maintenance.

Ensuring compliance needs

For industries like finance and healthcare, ensuring regulatory compliance is essential for business operations. In the past, security issues and lack of compliance were oftena deal-breaker for those industries.

> "PCI DSS standard lists more than **300 controls and security features** that need to be set up to process card numbers securely. To simplify a long and costly process of getting certified on the entire IT system, companies choose OVHcloud Hosted Private Cloud to store and process their payment and customer data on a reliable and compliant infrastructure. OVHcloud, as hyperscale cloud service provider, holds responsibility for infrastructure security and compliance in this area, removing some of the burden from enterprise IT teams" - says *Julien Levrard, Compliance and Security Manager at OVHcloud.*

As cloud services mature, more enterprises are moving to a hosted private cloud with their critical data, shifting some of the responsibility for compliance to security-conscious providers.

Improved collaboration

With an increasing number of remote employees, businesses stress the need for efficient teamwork and communication. Companies that operate on the cloud can provide staff with necessary tools to share files and update workflows in real time, allowing employees to see what other team members' doing. Working in close-knit teams can speed up projects and improve work satisfaction.

Summary

Short-term pain. Long-term gain.

Although the migration process can be fraught with challenges and pain points, in the long term, transition to the cloud brings about significant benefits for organisations; from cost-efficiency to productivity improvements and fostering closer collaboration.

Moving an on-premises infrastructure to the cloud is a decision. It requires a solid plan to address all challenges, including those often-overlooked concerning end-users' cloud adoption. IT managers must remain focused on the long-term gains and partner with a cloud computing provider that will help to overcome any obstacles that may arise.

For more information

Visit our website and find out how OVHcloud can support your migration project.

OVHcloud is a global cloud player and Europe's leading cloud services provider. The company operates more than 450,000 servers in 37 datacentres across 4 continents, serving 1.6 million customers in more than 140 countries. As the driving force behind creating a trusted cloud and pioneering a sustainable cloud with the best value for performance, for over 20 years the Group has employed an integrated model that gives it complete control over its value chain. From designing its own servers to building and managing its datacentres to orchestrating its fibre-optic network, this unique approach allows OVHcloud to independently cover all use cases by enabling its clients to benefit from its environmentally-sound model, with a careful use of resources and one of the best carbon footprints in the industry. OVHcloud now offers latest-generation solutions that combine high performance, predictable pricing and full data sovereignty to support their clients' unfettered growth.

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