

WHICH CLOUD OPTION IS BEST FOR YOUR BUSINESS?

Top things to consider when choosing the best cloud for you

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All About the Cloud

So you're ready to move the cloud. Where do you start? Moving business functions to the cloud is almost always a good idea, but there is no "one cloud fits all" solution. It's better to think of "the cloud" as a tool, rather than a destination. The first order of business is understand how Private and Public Cloud options and functions differ, and how they are used in the real world.

Public Cloud

With public cloud, infrastructure, storage and cloud-based applications are virtualized from hardware owned by the vendor. The data is pooled into "data lakes", and is orchestrated by software made to manage and automate services then transmitted across the internet or through a dedicated network connection. If you are using public cloud, you are simply paying for the resources you use that are derived from a third-party provider. This pay-as-you-need basis can minimize IT infrastructure cost and be a good option for handling peak loads on the local infrastructure. The unlimited size of the public cloud means a company can scale capacity and computing power either up or down in just minutes, in congruence with business needs.



Private Cloud

Private cloud is a cloud infrastructure dedicated for only one business. The cloud can be located on the premises (on prem) but it can also be hosted in a service provider's datacenter. When choosing a private cloud model, you can manage it on your own, have it managed by a hosting provider, or by a third party.

When set up correctly, private cloud can offer more security and control than other cloud options. Private cloud is accessed through private and secure network links as opposed to the public internet. Therefore, private cloud is a popular environment for organizations with compliance concerns such as HIPAA Compliant Hosting and PCI or by organizations that can benefit from the increased flexibility of a virtualized environment.



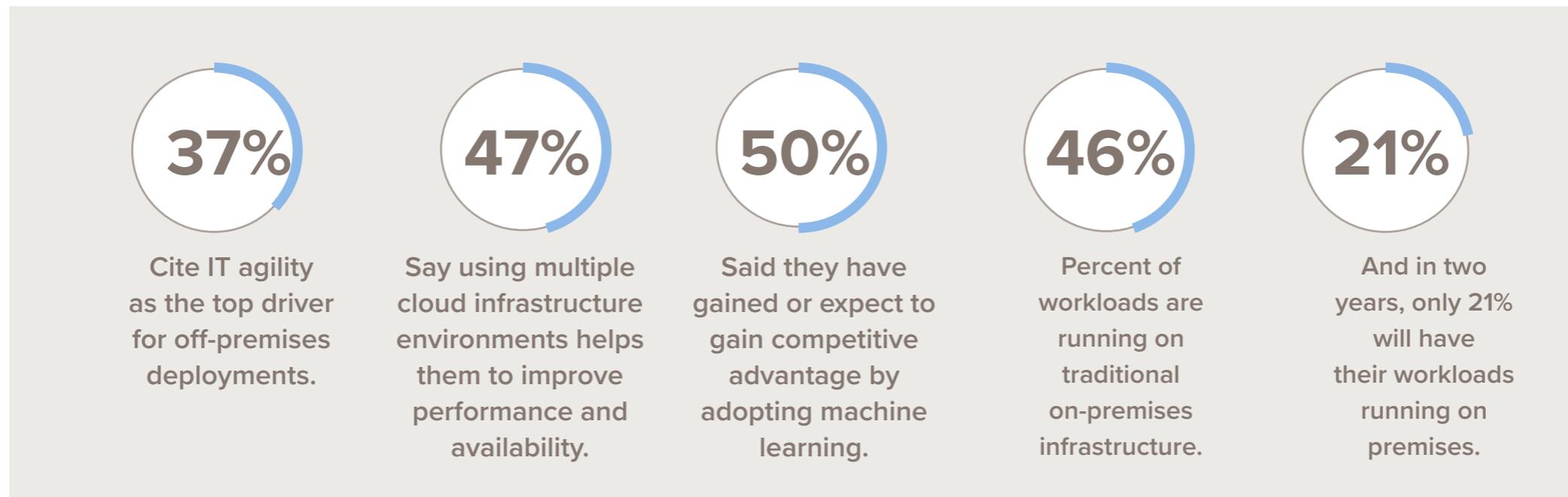
Hybrid Cloud

So, what exactly is hybrid cloud? Simply put – when private and public clouds are connected as seamlessly as possible, the result is hybrid cloud. The interconnectivity that is created by said seamlessness is how workloads are then moved and process are orchestrated. The reliability and quality of those connections directly impact how well your hybrid cloud works.

When deciding to implement cloud computing, you should start by deciding on the type of cloud you want to store your data. No universal recipe for success exists when implementing cloud computing, you should weigh all options and choose the best solution for your unique business and infrastructure.

Costs of course come into play. Understanding how costs affect functions will keep you on the right cloud path. The cost of operating in the cloud as well as transfer costs are important to consider. Note: Operating costs are often higher than you originally expect. Operating costs (OPEX) and capital expense costs (CAPEX) have different trajectories, so both need to be factored into the equation.

Where is the world on cloud choices?



"Key Trends in Machine Learning, AI and Cloud" 451 Research 2019

“With Cloud Computing, it is no longer a question of If, but rather When and How.”

– Ludmila Morozova-Bussva
Vice President, Global Institute for IT
Management

How to Think in Hybrid Cloud terms

Managing hybrid and dynamic environments requires a modern set of capabilities that range from dependency discovery, correlation and visualization to problem prevention, detection and resolution. This is creating opportunities for new innovative solutions to disrupt the market and your business.

However you start your cloud journey, go slow to gain speed. Do not simply “lift and shift” business functions into the cloud. Successful cloud deployments require clean installations and a new delivery model. Rushing ahead will cost you momentum in the long term. As they say, assumptions can be fatal. To avoid the dangers of assumptions—it’s best to plan ahead and proceed with caution. And always remember, cloud computing is a tool, not a destination.



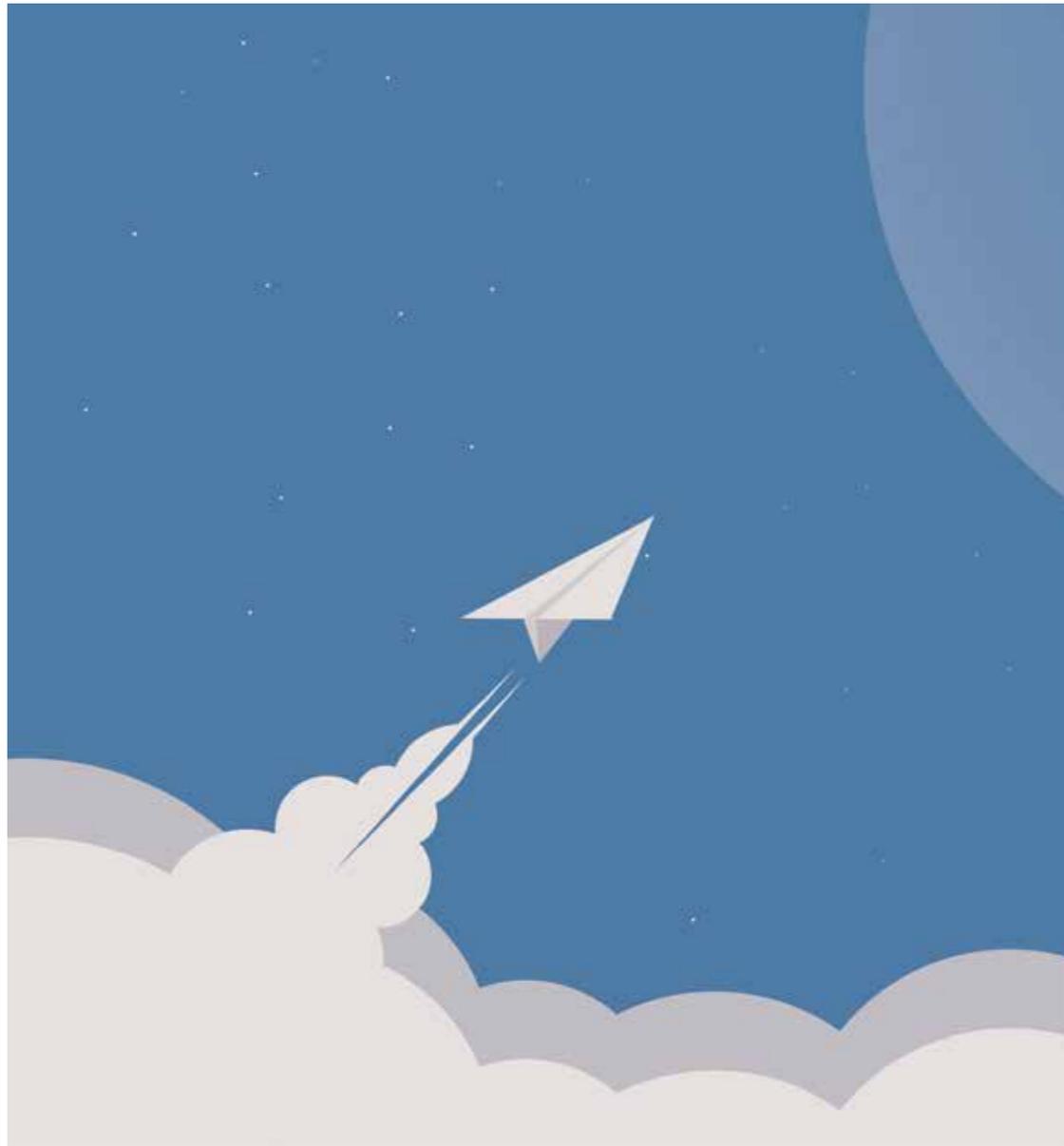
“ The cloud is about how you do computing, not where you do computing.”

– Paul Maritz,
former CEO of VMware & Pivotal

The Current Cloud Forecast Calls for Microservices and Containers

Two elements of modern IT technology and thinking containers, are worth including into your cloud migration planning instead of refactoring code. Containers offer a logical packaging mechanism in which applications can be abstracted from their environment. Containers are able to preserve a “clean install” and enable install replication. Containers are optimal for applications that pose difficulties running natively in a cloud environment.

In addition more vendors today are using containers to deliver management solutions. Managing performance of containers and in production requires new approaches to data collection, dependency mapping, service impact measurements, data processing and more. To make sure your KPI's (Key Performance Indicator) map to the realities ahead, make sure to have a trusted cloud, automation and Agile expert on your side.



The Cloud Case for GCSIT

GCSIT has the years of experience, numerous certified engineers, trusted vendor partnerships and a full breadth understanding of requirements to help you decide when, how and how much to move to the cloud.

GCSIT will guide you through the unknown, help clear the path for you and can help you map out the territory ahead. We're also help you maximize what you have now. Knowing what you have and what it can do for you is half the battle.

Does Cloud Make Sense for Small Business?

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The C-Level's Guide to Technology Innovation

[View Whitepaper](#)

About GCSIT

GCSIT is a different kind of engineering firm. We act as our customers' personal technology optimization team to create and maintain custom-built, agile infrastructure solutions.

GCSIT's tech pioneers have decades of combined experience to help small to mid-size companies confidently navigate the complex field of technological advancements. We act as an extension of our customers' team to help them achieve enterprise-level results—faster and leaner.

Relentlessly committed to providing knowledge and mentorship from DevOps down, GCSIT offers the best-of-breed IT efficiency needed for our customers to remain ahead of the curve.



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GCSIT confidently guides
you toward predictable,
scalable, agile infrastructure.