

THE DECISION- MAKER'S GUIDE TO CLOUD NATIVE





If cloud native development seems to be trending, that's because it is.

Why? In recent years, many organizations in Finland and around the world have moved their on-premises operations to the cloud and created entirely new applications as cloud native solutions.

Research tells us the public cloud market is seeing explosive growth. At the same time, demand for cloud native technology is significantly increasing as companies modernize their systems.

One of the questions generally asked is about who should decide on moving forward with a cloud-native development project. Should it be IT? Or should it be the business? Considering their expertise in completely different areas of any organization — neither less vital than the other — the answer is that both need to have a very well-organized coordination plan between the both of them.

In **3 Business Benefits of Cloud Native Development**, we looked at the key advantages of cloud native applications and development from a business perspective.

Learn more:

[> 3 Business Benefits of Cloud Native Development](#)



Advancing a holistic transition to the cloud

As we're seeing more and more today, value to the customer is being delivered faster and more seamlessly, which can be attributed to microservices and other facilitators.

The potential with the cloud is un-ending, but customer value will be lacking if the fundamental architecture is outdated. A critical element of cloud native development is having a plan to remove these obsolete architectures and implementing modern enablers like microservices, containers and serverless computing.

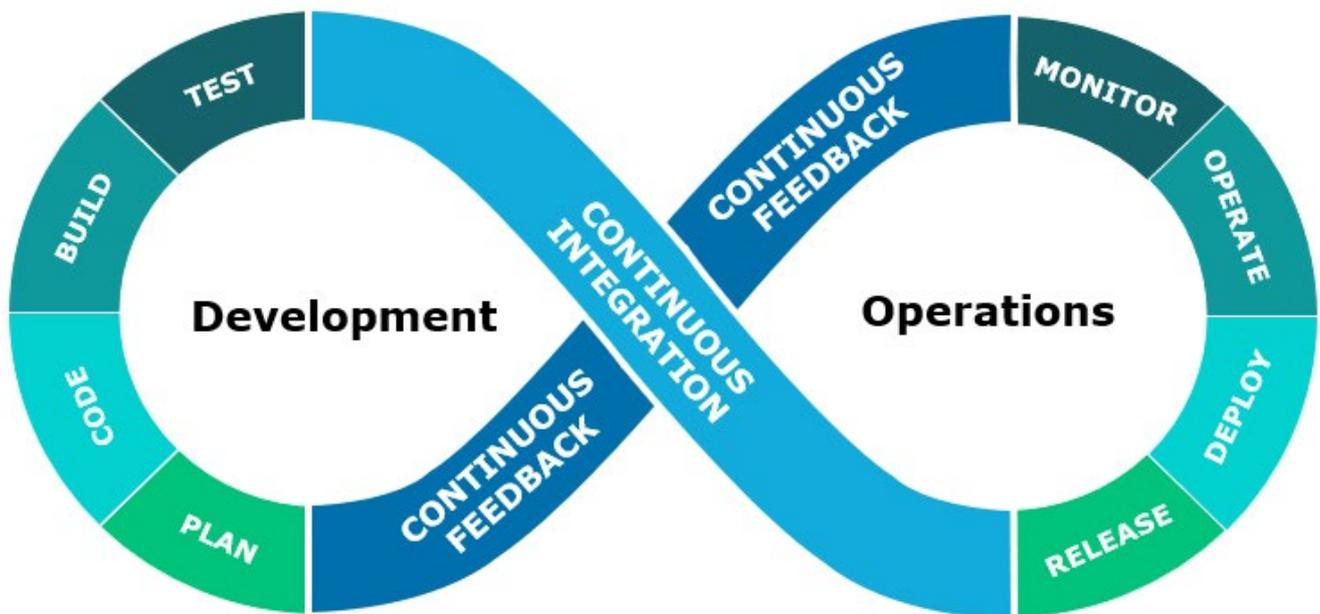
- With microservices, an architecture enables organizations to make applications available faster and in a more controlled and reliable sequence when compared to a [traditional monolithic approach](#).
- With their ability to run in any environment, [containerized applications](#) can be operated in the same way, regardless of their environment, which allows businesses to build their delivery pipeline more easily and speed up their value to customers.
- While not necessarily the best option for every application, [serverless computing](#) can help your business with faster deployments of features and also brings cost savings as you pay only for the computing power that is used.

Learn more:

[> Decision frameworks help make smart choices when migrating business applications to serverless services](#)



DevOps is more than integration. It's also a delivery philosophy.



Without DevOps, cloud native isn't possible. And for DevOps to work properly and for it to be an enabler of cloud native, a suitable culture is necessary to be in place.

CALMS -- Culture, Automation, Lean, Measurement and Sharing -- helps to ensure a precise overall culture in a truly DevOps-driven fashion. Each aspect of CALMS plays a role in coming together to enable an organization to become a cloud DevOps powerhouse.



Culture begins at the very top and requires an embracing by top leaders of any organization to succeed. This culture means looking at how teams are organized and providing them with a genuine sense of empowerment to make decisions.



Automation is at the heart of DevOps, offering higher customer quality at a faster pace. While it's good to consider automating as much as possible, think about what's truly beneficial to automate when you consider time, effort and budget.



Lean embraces [agile delivery](#) principles, providing smoother workflows, snappier processes and responsiveness to the cloud DevOps organization. Lean operations increase the value delivered to customers while eliminating waste.



Measurement allows your people to improve because, as we know, you cannot improve what you cannot measure. One key here is to wisely choose a select few effective metrics, allowing a more detailed level of focus and following up on those in a more practical way with embedded tracking to your automation pipeline.



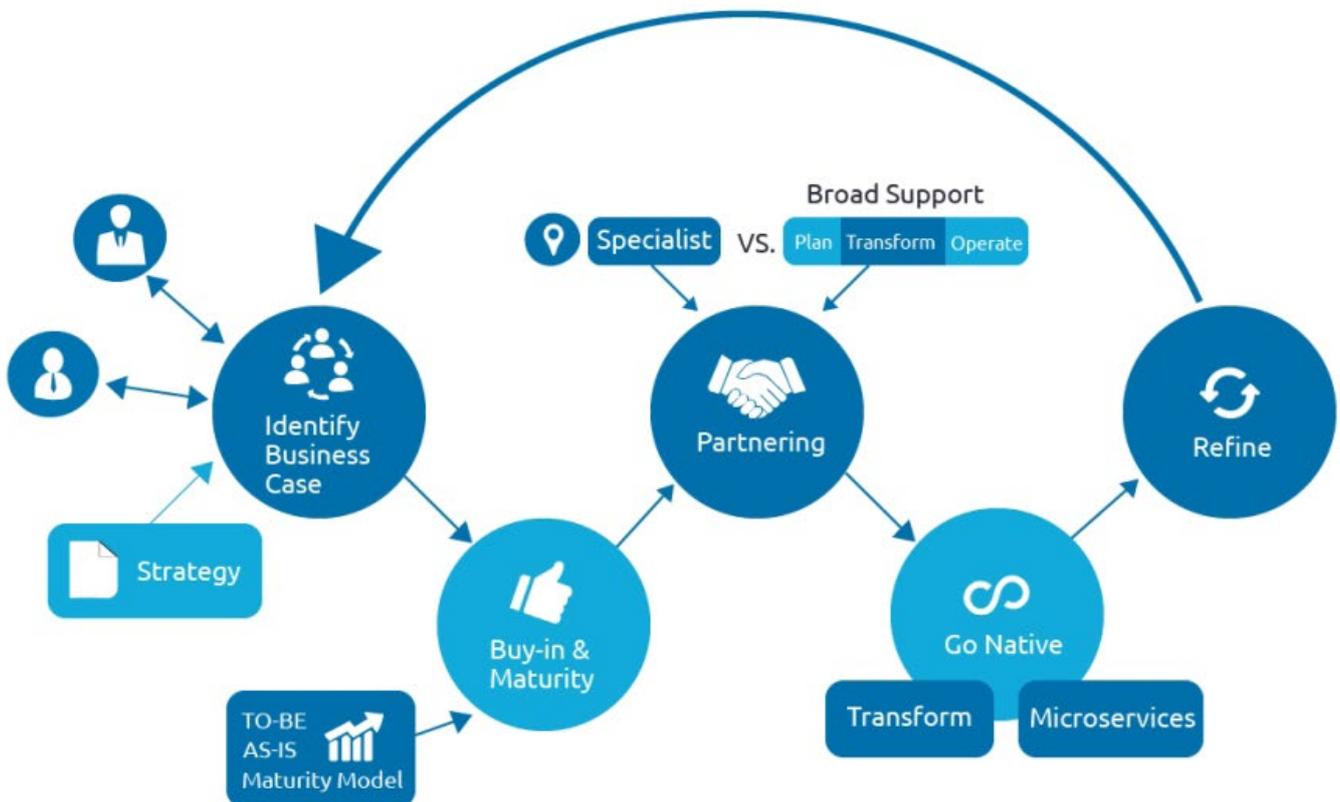
Sharing means being open, which is no different in the DevOps world. It's a key pillar in the culture shift while being open, sincere, trustworthy and having a sense of empowerment. Sharing is vital throughout the entire cloud DevOps transformation, from the start into the later stages.

Learn more:

[> Moving to A Cloud DevOps Culture – The CALMS Framework](#)



With our global cloud expertise with global brands and organizations, we have found that continuing your journey to cloud-first growth can be driven into five phases. These phases can be used as a general guide for cloud native planning, making the transformation, and operating the cloud-first model successfully.





PHASE 1: Identifying a business case for cloud native

Common sources of viable cloud projects are the automation of customer service and a demand for entirely new services.



PHASE 2: Getting buy-in and preparing the organization

A concrete description of the problem and the cloud's role in the solution help to sell the idea internally. Consider also the importance of understanding what implications a move to the cloud may have on employees' and even entire departments' roles and responsibilities.



PHASE 3: Selecting a cloud transformation partner

Your organization will have specific needs that weigh most in partner selection, and the nature of the cloud project also dictates these. In general, there are two types of approaches, one using in-house cloud expertise and outsourcing only the riskiest of areas. The other option is to choose an end-to-end service partner like Capgemini to drive the transformation from planning to execution and operating the new model.



PHASE 4: Going cloud native – the migration

Cloud migration is often associated with legacy applications. However, some of those old applications can also be re-architected to transform them into granular microservice-based applications taking advantage of cloud PaaS services.



PHASE 5: Refining cloud processes and capabilities

The long-term cloud transformation must keep moving forward. These considerations are the backbone of operating a continuously developing cloud application portfolio, including architecture governance, continuously optimizing cloud economics and maintaining a complete view of your cloud infrastructure to ensure readiness for future cloud projects and strategies.

Learn more:



[Roadmap to Cloud Native: 5 Phases to Cloud Success](#)



Our position as global cloud leaders means clients put their trust in us more because we bring:

- Passion and motivation to discover innovative future cloud solutions, resulting in more business impact.
- World-leading cloud experts with proven experience in some of the most challenging digital transformation endeavors.
- Proven know-how with developing around the world's most powerful cloud solution platforms, including Microsoft Azure, Amazon Web Services (AWS) and Google Cloud.
- Desire to deliver customer value with improved quality to the market faster and more efficiently with our in-depth DevOps methodology.
- Modern, streamlined agile ways of working with our clients to offer clean and functional cloud service solutions.

Actions speak louder than words, and we look forward to helping your organization make an impact through the power of the cloud.



We hope this compact guide and included links to more detailed information on each area will lead you and your organization to a successful end-to-end cloud transformation.

Ready to accelerate your business impact while providing innovative experiences to your customers?

Contact us

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