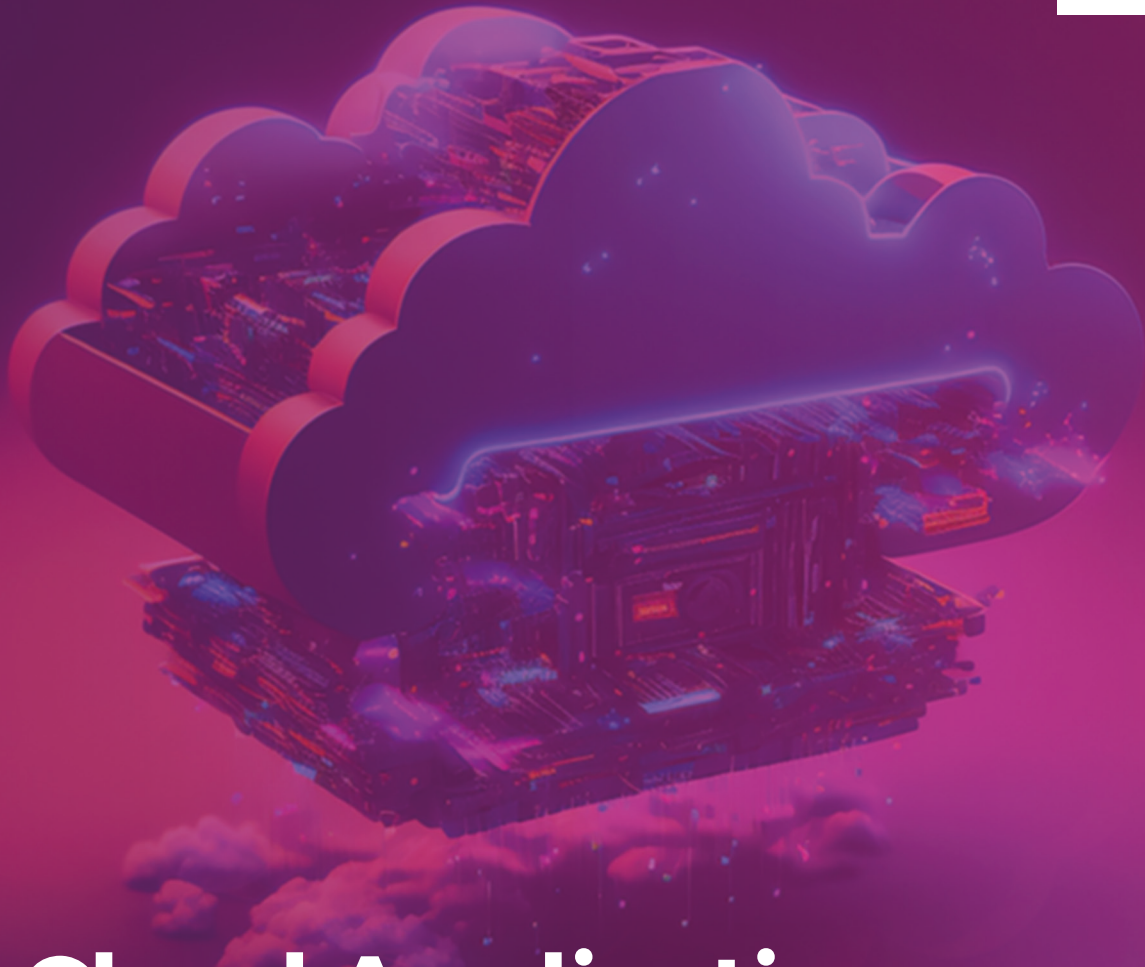




TRANSITION
TECHNOLOGIES



Cloud Application Development and Modernization

Transform your business
with next-gen cloud applications

40%

of European companies claim that the **cloud is necessary** to support application modernization.

Source: IDC

50%

and more global companies are predicted to **adopt serverless** functioned platforms by 2025, compared to only 20% in 2021.

Source: Gartner

23%

of a CAGR (Compound Annual Growth Rate) with the **global serverless architecture market** projected to increase from USD 7,585 million in 2020 to USD 21,105 million in 2025.

Source: GlobalNewswire

28%

potential **increase in revenue** by transitioning from basic cloud infrastructure to containerization.

Source: AWS's 2022 Report

Navigating market dynamics

In today's dynamic business landscape, when it comes to keeping up with market trends, achieving flexible scalability, managing costs, and staying innovative, **companies face various challenges:**



Coping with evolving market trends

In an ever-changing world, businesses strive to minimize time-to-market in order to meet customer expectations and stay ahead of the competition.



Overcoming persistent challenges

Without access to innovative and modern technologies, solving existing problems and identifying new ones becomes increasingly difficult.



Cost concerns and unpredictability

Serverless and Cloud Native app development heavily relies on pay-as-you-go cloud services, what can lead to challenges in predicting and controlling costs, requiring careful consideration by the cloud architect leading the project.



Flexible business scalability dilemma

Traditional IT infrastructure is designed with fixed capacities, making it hard to scale quickly and adapt to fluctuating demand or growth, necessitating substantial investments in hardware, software, and personnel.

Maximizing cloud computing capabilities for modern applications

Cloud Transformation requires continuous adjusting to the most-effective technology standards and choosing more **advanced migration approaches delivering more value** for the company and its customers.

Exploring the capabilities of **Serverless** and **Cloud Native** approaches opens up new possibilities for modern application development. By leveraging the power of cloud computing, these innovative strategies offer benefits such as accelerated time-to-market, improved scalability, and streamlined infrastructure management.

Serverless is a cloud computing model that allows organizations to **build and run applications without the need to manage servers**. Instead, specific public cloud services are triggered by events, and the infrastructure is taken care of by the cloud provider.

Serverless is considered the **closest solution to the true concept of cloud computing**, as it offers:

- scalability,
- high availability,
- the ability to pay only for the resources utilized.

In this model, code is typically **deployed within containers**, which are activated in response to specific events such as HTTP requests, database events, alerts, or scheduled tasks. This approach is known as **Function as a Service (FaaS)**, with different names depending on the cloud provider (e.g., **AWS Lambda, Azure Functions, Google Functions**).

Cloud Native is a modern approach to building and running applications that **fully utilizes the capabilities of cloud computing**. It involves designing applications specifically for the cloud, taking advantage of cloud-native services and architectures.

In this approach, **applications are broken down into smaller components called microservices**, which work together to perform specific functions. These **microservices are packaged as containers**, making them easy to deploy, scale, and manage in the cloud.

The main benefit of adopting a Cloud Native approach is the ability to fully leverage cloud capabilities like scalability, elasticity, and agility. It also provides **a pathway for modernizing existing applications and migrating them to the cloud**.

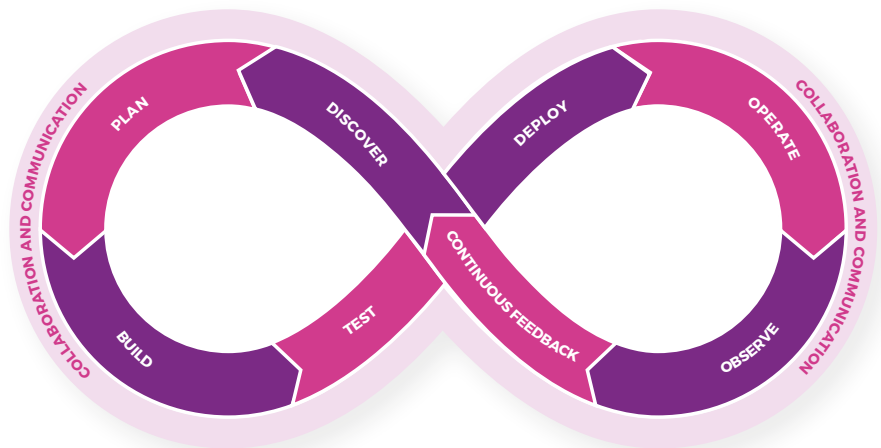
Before you start app migration and modernization project remember about DevOps

DevOps plays a **crucial role in cloud development and application modernization** by fostering collaboration and streamlining the development and deployment processes.

With the complexities involved in migrating and modernizing applications in the cloud, DevOps practices help **break down silos between development and operations teams**, enabling seamless communication, continuous integration, and delivery.

This collaborative approach ensures faster and more **efficient cloud migration**, promotes scalability and resilience, and allows for **continuous improvements** and rapid iterations in the cloud environment.

Ultimately, DevOps practices are **vital in maximizing the benefits of cloud migration and application modernization**, leading to increased agility, improved quality, and enhanced customer satisfaction.



Value-added proposition

Cloud Native takes full advantage of public cloud portfolio. **Containers** and **microservice** makes them easier to maintain thanks to **DevOps best practices** and they are fully scalable.

When working with us, you can expect:

- Cost reduction and improved cost management
- Applications delivered in a microservices architecture, making development, updates, and maintenance easier
- Improved scalability, both vertically and horizontally if needed
- By implementing the best DevOps practices, automation, and CI/CD pipelines, you can achieve the shortest time to market
- Enhanced security of infrastructure and applications while providing improved observability capabilities with alerts and notifications
- As a single-source vendor, we manage the entire migration process and provide post-deployment management and support



What are the benefits?

By leveraging the power of cloud technology and embracing Cloud Native & Serverless approach, we bring forth a host of advantages that transform the way you operate by:



Enhanced reliability

Applications built with the Cloud Native model inherently prioritize high availability. They are designed to keep functioning even in the face of potential disruptions.



Flexible scalability

Gone are the days of guessing the required computing power or database capacity for your system. Serverless technology dynamically adjusts resources based on demand.



Swift deployment

With Serverless architecture, hardware and configuration concerns become a thing of the past. Real-time server provisioning eliminates waiting times, allowing for quick and seamless deployment.



Optimized costs

By leveraging Cloud Native applications and adopting the Serverless model, you only pay for actual resource usage. Computing capacity is allocated in response to specific events.



Enhanced security

Cloud application development provides robust security features to safeguard sensitive business data. Cloud service providers employ advanced encryption technologies and strict access controls.



Server management offload

When embracing the Serverless approach, the responsibility of server management falls on the cloud provider. This eliminates the need for your team to handle server maintenance tasks.

Contact us!

Transition
Technologies PSC

contact@tppsc.com
www.tppsc.com



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