

# CONSIDERATIONS FOR SUCCESSFUL APPLICATION MODERNIZATION ON THE NEXT WAVE OF CLOUD

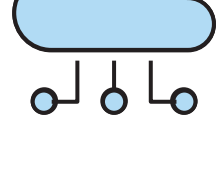


## A COMPETITIVE DIGITAL POSTURE REQUIRES PROFOUND TRANSFORMATION OF THE CORE BUSINESS APPLICATIONS USING PUBLIC CLOUD

### WAVE 1:

#### Gauging the business possibilities of cloud

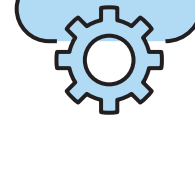
Creating and/or extending application functionality supporting customer engagement and business operations



### WAVE 2:

#### Executing on application transformation ambitions

Moving enterprise-sensitive and mission-critical application workloads to public cloud

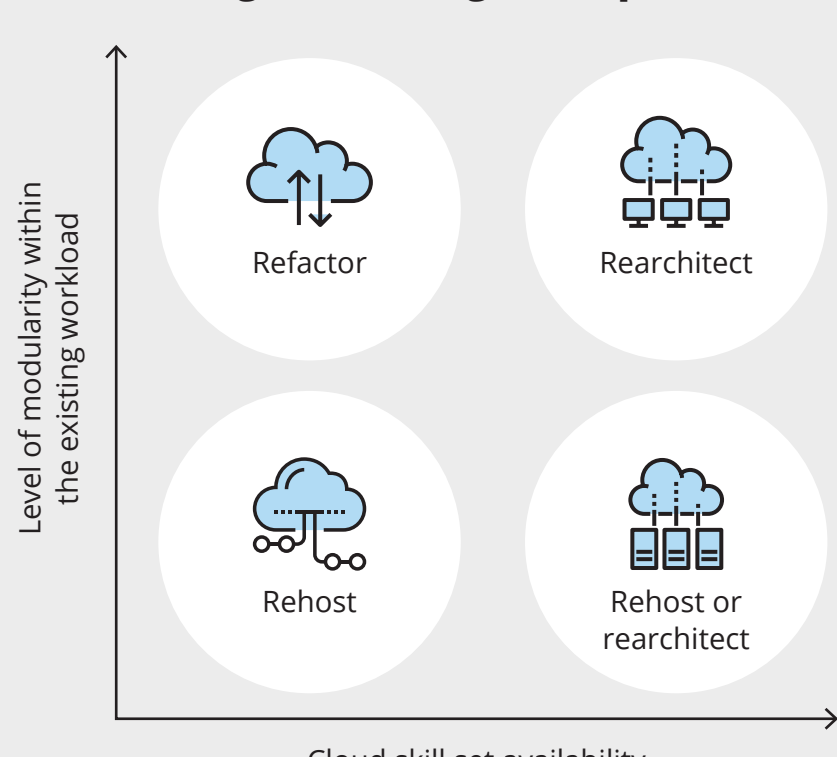


## ENTERPRISE JOURNEY TO CLOUD

We are entering the second wave of cloud. This phase is defined by complex application transformation programs toward cloud native.

## SUCCESSFUL APPLICATION TRANSFORMATION TO CLOUD IS UNDERPINNED BY A ROBUST CLOUD INFRASTRUCTURE STRATEGY

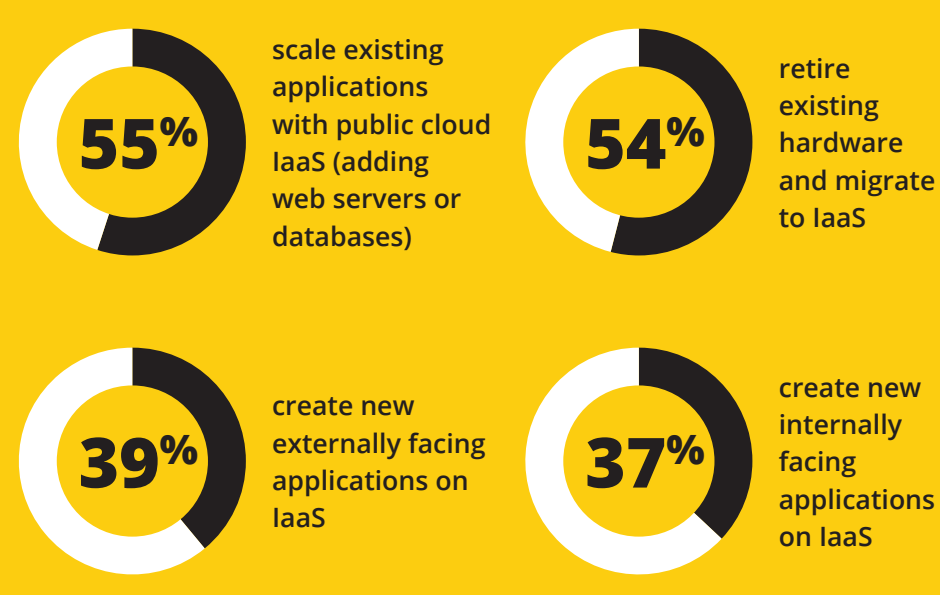
### Transformation of the core: considerations for selecting a cloud migration path



According to IDC's survey research, IBM Public Cloud is consistently in the top 2 public cloud destinations for SAP workloads in Europe.

## PUBLIC CLOUD INFRASTRUCTURE FACILITATES APPLICATION TRANSFORMATION

### Drivers of public cloud IaaS adoption



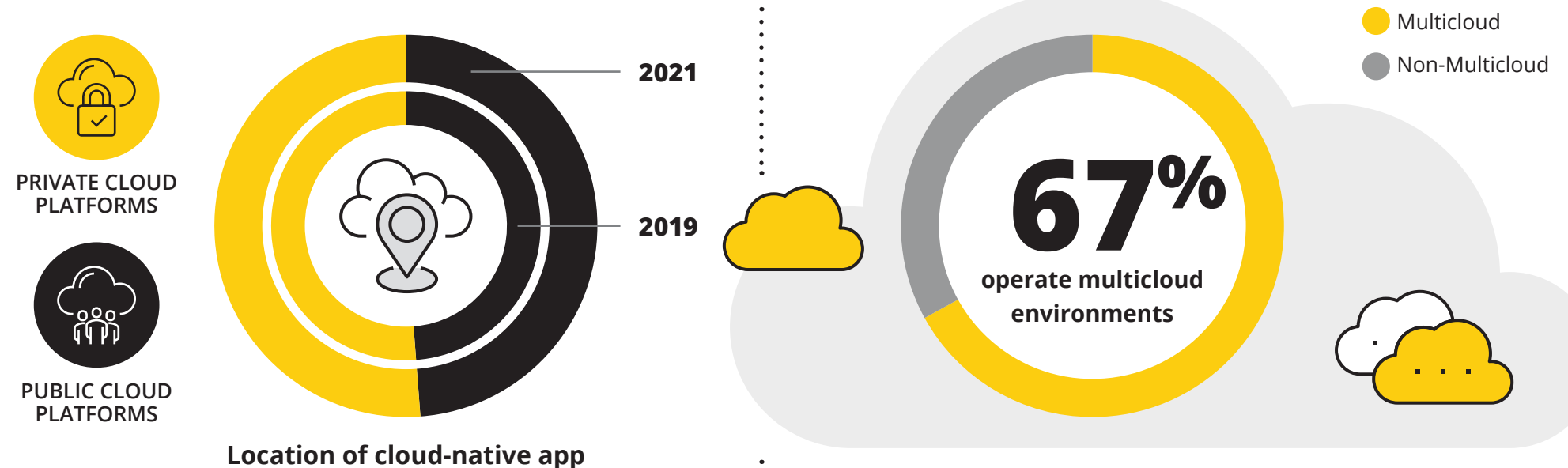
### Benefits of public cloud IaaS, especially in times of uncertainty

- Flexibility to address unexpected demand due to scalability of cloud
- Business continuity and disaster recovery — ability to fail over to cloud when you cannot use your own datacenter resources
- Agility to respond to unforeseen circumstances quickly
- Ability to right-size your cloud spend to your requirements
- Enterprise-grade security for all users, applications, and data

Source: IDC's European Cloud Survey, n = 301

Public cloud IaaS is appealing for both net-new cloud-native applications and core traditional app modernization including SAP and other enterprise application workloads.

## TO CATER FOR THE WHOLE SPECTRUM OF APPLICATIONS, YOU NEED BOTH HYBRID AND MULTICLOUD ARCHITECTURES



Organizations in Europe run a well-balanced strategy to build and deploy their cloud-native app estates on private and public cloud platforms. To maximize cloud-native investments, organizations need to have strong hybrid cloud frameworks in place.

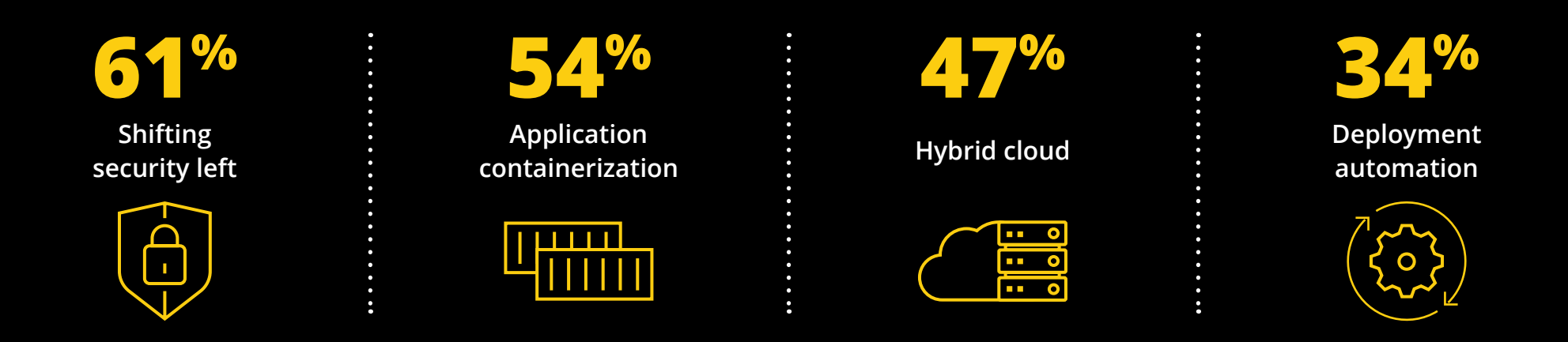
The ability to orchestrate and govern a multitude of cloud environments from one main platform is key to ensure security, governance, and control over heterogeneous environments. To take full advantage of a diverse set of cloud investments, organizations need to build robust multicloud management capabilities and a container-based infrastructure.

Public cloud plays a key role for application modernization and cloud-native application development and deployment, either in hybrid cloud or multicloud architectures.

## KEY ACCELERATORS FOR APPLICATION TRANSFORMATION

To overcome challenges in application transformation, organizations need to define the right application delivery blueprint. Key investments related to the application development and deployment platform include:

### Top investment priorities to accelerate application delivery

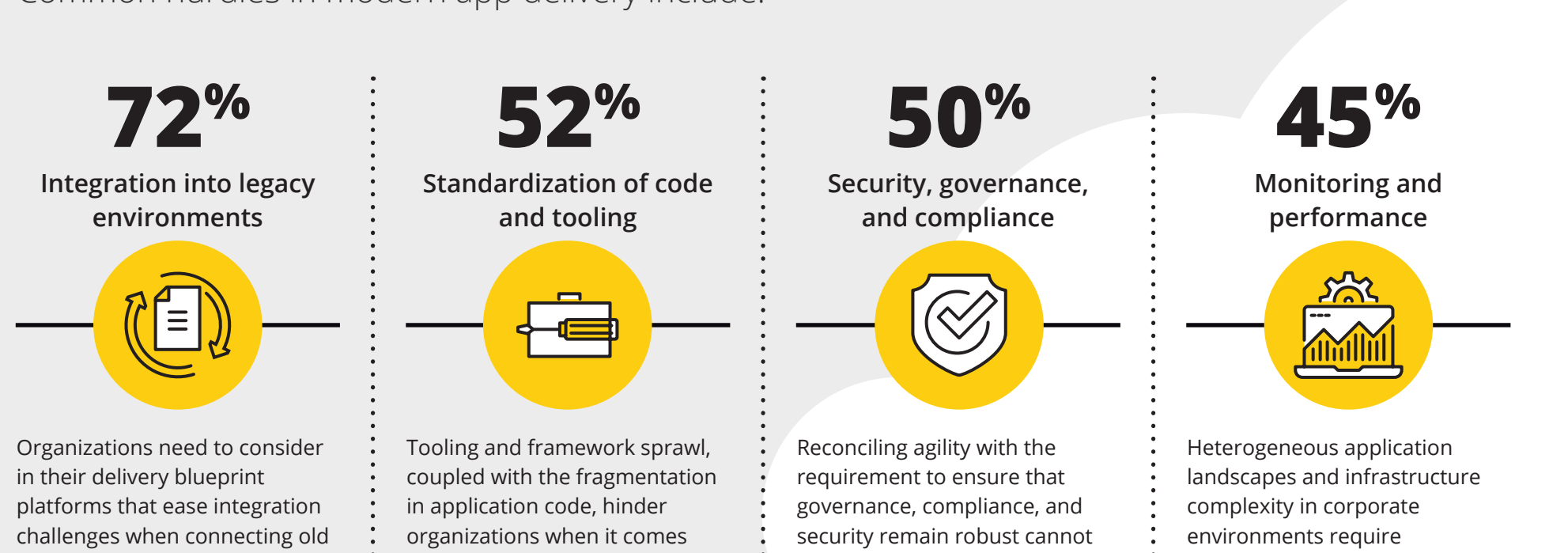


Source: IDC European Accelerated Application Delivery Survey, 2019

The ability to deliver digital innovation at scale, speed, and quality critically depends on the application development and deployment platform choices each organization makes.

## THE APPLICATION DEVELOPMENT AND DELIVERY PLATFORM IS A MAKE OR BREAK IN APPLICATION TRANSFORMATION AT SCALE

Common hurdles in modern app delivery include:



Organizations need to consider in their delivery blueprint platforms that ease integration challenges when connecting old and new application estates.

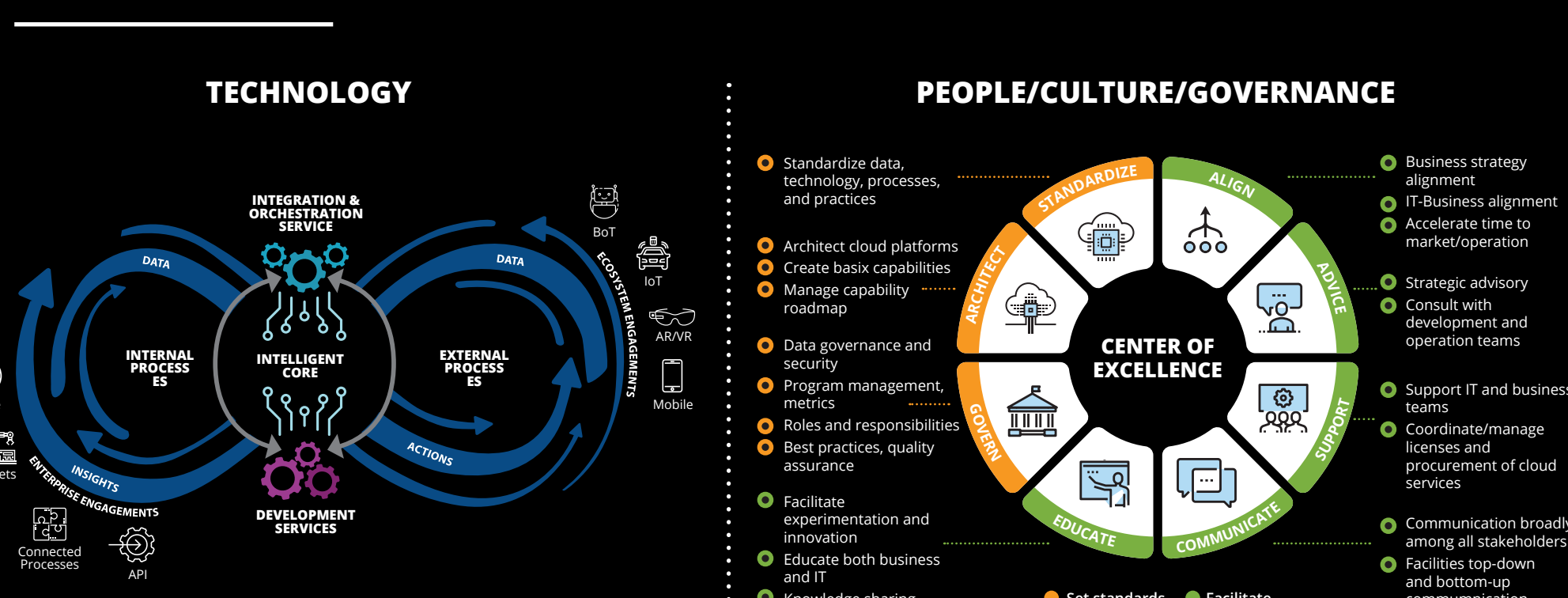
Tooling and framework sprawl, coupled with the fragmentation in application code, hinder organizations when it comes to moving faster in delivery application.

Reconciling agility with the requirement to ensure that governance, compliance, and security remain robust, and be an afterthought.

Heterogeneous application landscapes and infrastructure complexity in corporate environments require enterprise-class observability and control.

Choosing the right application development and deployment platform is a strategic decision with profound implications for an organization's success in the digital economy.

## WHAT DOES A SUCCESSFUL CLOUD DELIVERY BLUEPRINT LOOK LIKE?



Application modernization with public cloud is not only a technology transformation, but also an organizational transformation. Cloud centers of excellence are emerging to provide guidelines, standards, and governance, as well as inspiration for future cloud projects.

Register to this webinar to learn more: <http://ibm.biz/the-next-wave-of-cloud>