



Striking the Right Balance: **How to Enable Greater Agility in the 'Multicloud Era'**

October 2019

Cloud Accelerates Digital Transformation

A New Wave of Multiplied Innovation on the Horizon

As industries rapidly realign around digital innovation, CIOs must race to reinvent their organizations for the fast-paced multiplied innovation world. This means reinventing IT around a distributed cloud infrastructure, public cloud software stacks, agile and cloud-native application development and deployment.

Cloud allows organizations to scale IT infrastructure as needed. This helps organizations to experiment new technologies and deploy proof-of-concepts.

78%

of CIOs in Turkey considered
cloud computing critical for
their organization's
DX strategy

Source: IDC Turkey CIO Summit Survey, N=105, April 2019

Cloud is an Enterprise Imperative

The development and execution of a strategy to transition to cloud is the foundation of every digital transformation initiative.

Factors Leading to Consider Cloud Services

40%

Hardware coming to the end of its life

29%

Datacenter requiring upgrade, expansion, or replacement

26%

Business demanding more agility and/or speed from IT

Source: IDC Turkey CIO Survey, N=207, April 2019

The 4 Business Imperatives:



Business Agility



Faster Go-To-Market



Operational Efficiency



Use of New Technologies

Changing Landscape in a Digital World

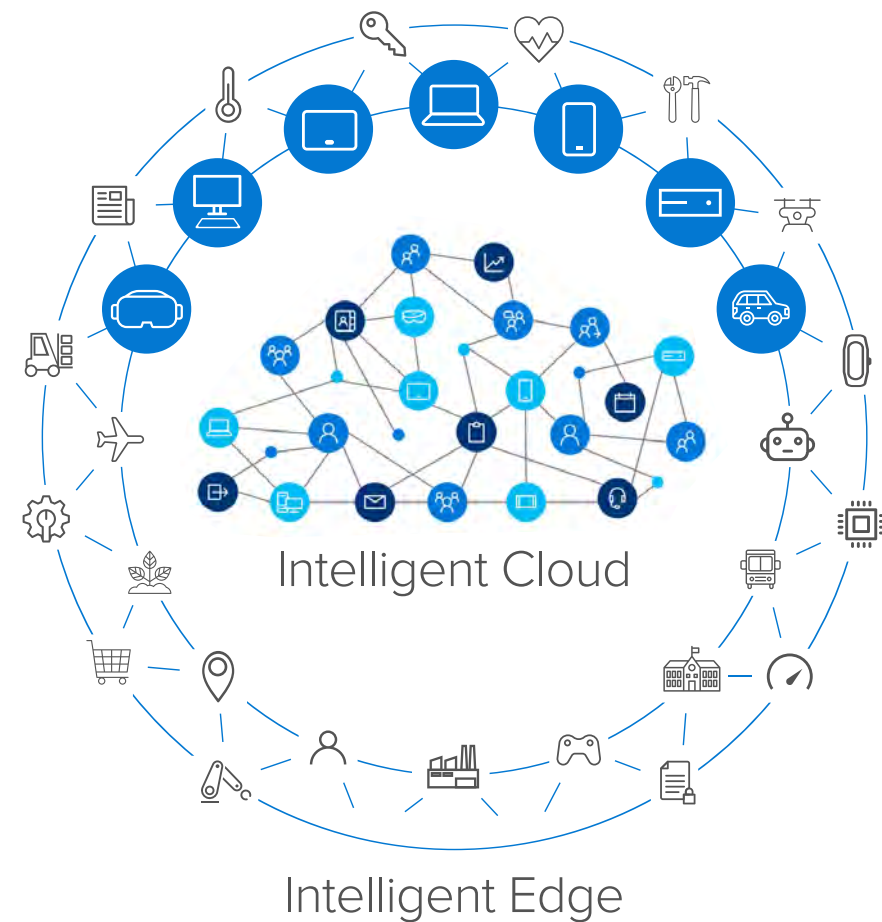
Organizations should accelerate their adoption of innovation accelerators, such as AI, machine learning, and IoT, to improve their business agility, thus gaining a competitive advantage.

These three questions should be asked before planning datacenter investments and IT resources:



Autonomous Network of the Future to Leverage Enterprises Cloud Adaptation

To benefit from the agility of the cloud, organizations should look beyond traditional network connections. Using autonomous networks — which are **highly resilient and dynamic cloud-native virtual network functions (VNF)** — to meet efficiency targets for public cloud-based applications is a rising trend.



Why Cloud Makes your Life Easier?

Cloud has already changed how IT has been architected and operated. The shift to cloud has been great for developers and business users, for whom cloud has hugely broadened the spectrum available for creativity. At the time of hyper competitiveness and disruption, cloud offers needed agility.

What are the Common Concerns about Multicloud?

Lack of unified control layer is the top challenge with using multiple cloud IaaS providers – this exposes a need for unified control and management.

Connectivity, scalability and availability also stand out as the main concerns for cloud technologies.

CIOs should ask these questions to overcome challenges:

How do they
avoid lock-in in
large clouds?

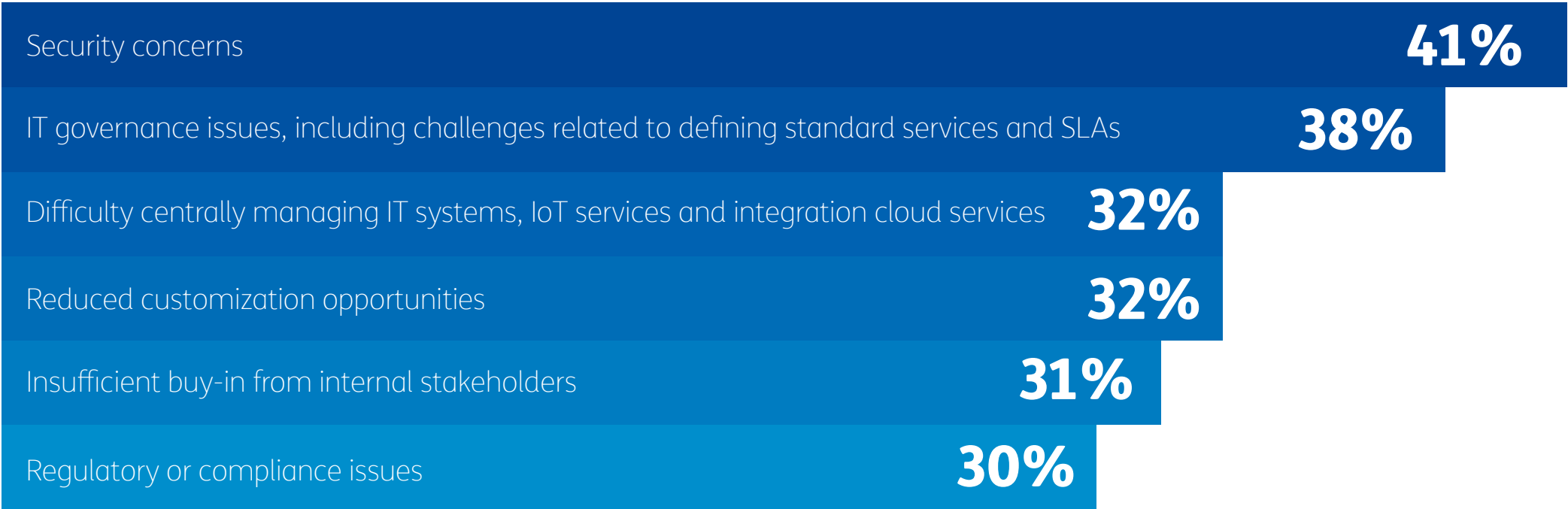
Can they patch
together the
multiple cloud
backends they
have?

How about
compliance, data
governance?

Can – or should –
they embrace
consumption
models where
they
pay-as-they-grow?

CIO Perspective: Main concerns about Cloud technologies

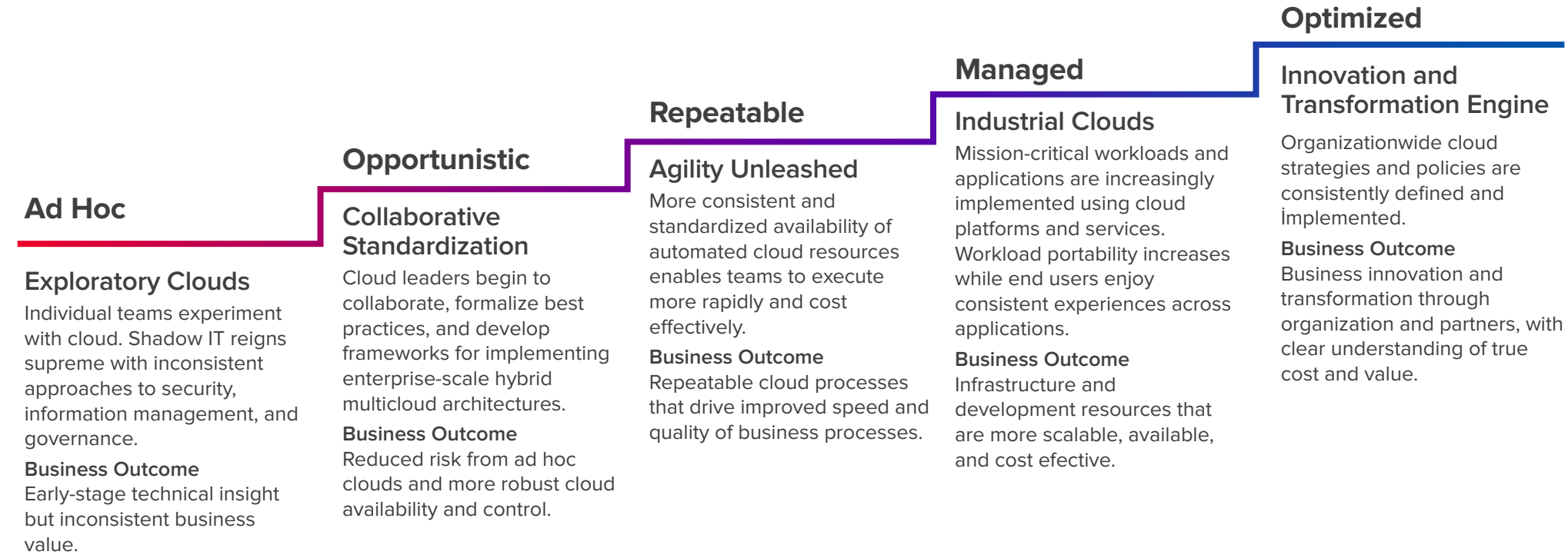
Which of the following best describe your organization's main concerns about Cloud technologies?



Source: IDC Turkey CIO Survey 2019, N=207

How to Measure Cloud Maturity?

As organizations move down the path of cloud adoption and exploration, they gain important cloud skills and knowledge, which ultimately helps them progress through the 5 stages.

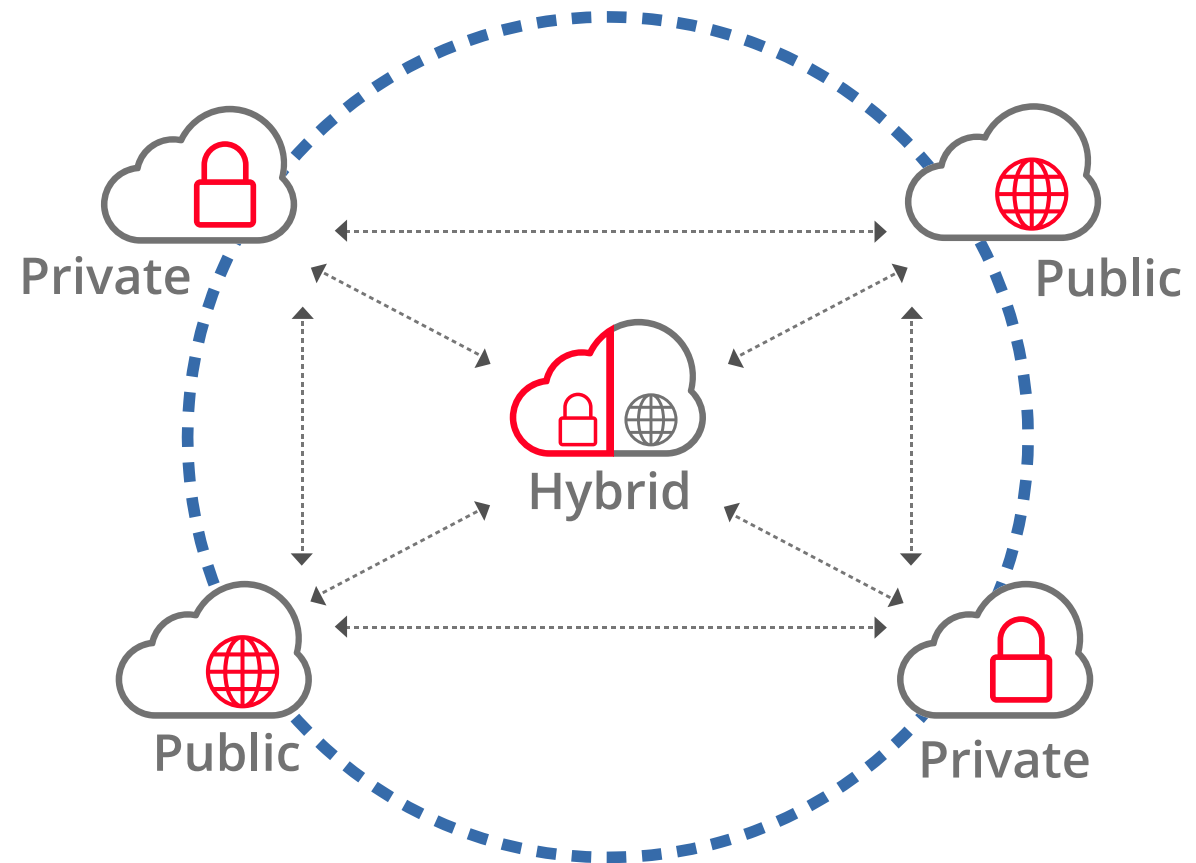


Source: IDC, 2019

Major Cloud Services Deployment Models

In the journey toward multicloud, workloads are repeatedly moved between cloud resources, and applications are modernized to ensure portability and performance in a cloud environment.

Together with the evolution and maturation of the market, hybrid and multicloud environments are becoming common.



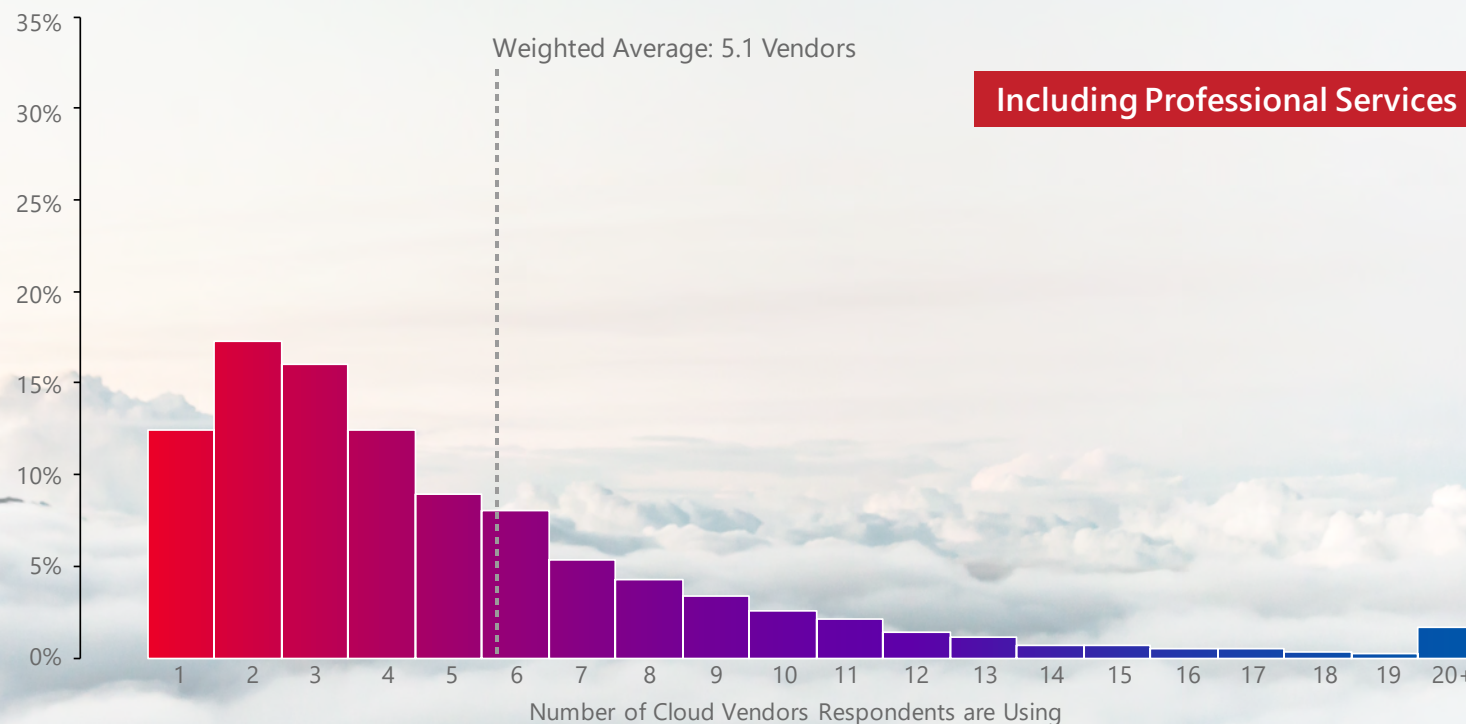
Multicloud Adoption is a Growing Trend

Multicloud management is becoming an enterprise priority.

The Future: Expansive Automation, Analytics, DevOps, Agile, Microservices, Containers, Serverless, Container as a Service, DBaaS SQL, and DRaaS, and the Hybrid cloud.

The results: Complexity skyrocketing, the Need of Strong understanding for Customer Journey

All is about management:








Source: IDC CloudView, May, 2018, N=5,740 worldwide respondents, unweighted

Strategy Behind Using Multicloud

The buildout of a solid management layer across multiple cloud environments implies a strategic will to control and direct how external and internal cloud resources should be used by developers or business units.

Key elements of a multicloud environment are:

-  *Next-gen foundation:* Which virtualized or containerized building blocks should we use?
-  *Glue:* Which cloud software platforms should we use? How can we automate them?
-  *Architectural thinking:* Which workloads' processes will be supported via cloud?
-  *New payment methods:* Capex-based payment, leasing, and pay as you go
-  *Compliance:* How do we ensure and manage cloud-infrastructure compliance?

The Shift From Multicloud Chaos to Multicloud Control

Multicloud automation, brokerage, and management is a subcategory of multicloud readiness.



Identify which workloads are best fit for public and private cloud



Hire cloud architects for developing multicloud strategy



Closely monitor the vendor landscape, security and regulatory developments

Design Your Cloud Strategy with a Unified Approach to Security



Assess your current cloud usage and associated security concerns.

Identify where your organization can benefit from migration.

Security serves as a driver as well as a challenge for adopting cloud. Enterprises should follow a meticulous path for their cloud migration

Build a detailed list of security concerns.

Review internal security policies.

Treat security as an enabler of rather than an inhibitor to cloud usage.

Prepare your enterprise to accelerate cloud adoption.

Maximize your cloud and IT performance with secure and scalable hyper-converged platform

- ✓ Embrace MultiCloud IT – **cloud-native** applications, systems and operations.
- ✓ Brokerage your distributed cloud resources – on-premises, public and private environments – through **CloudBlue, MultiCloud** automation platform.
- ✓ Access largest cloud **Marketplace** with self-ordering and self-provisioning tools, customizable for Partners and Resellers.
- ✓ Deploy your cloud in interconnected **carrier-neutral datacenters**, combining with tailored hybrid solutions including end-to-end connectivity, security and disaster recovery services.
- ✓ Discover Managed **Professional Services** provided by certified Competence Center.
- ✓ Leverage sophisticated telecommunication services; **Cloud Connect** – high reliable, flexible and scalable point to point connectivity to the most relevant Public Cloud Providers.

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