

Striking the Right Balance: How to Enable Greater Agility in the 'Multicloud Era' October 2019



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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.



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:

How quickly does the organization need to complete the transformation to a predominantly cloud-based IT environment?

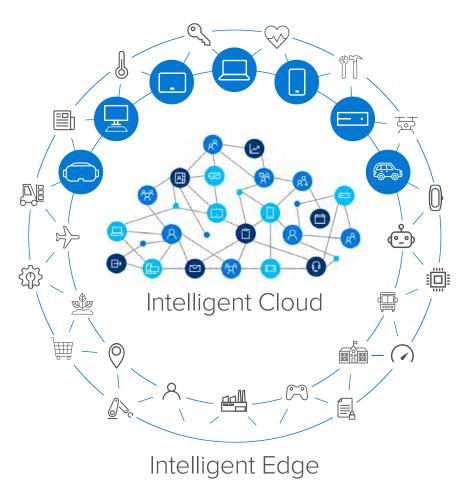


What are the best strategies for leveraging and managing the array of different on-premises and off-premises cloud options (e.g., private, public, or hybrid and laaS, PaaS, or SaaS)?



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 distruption, 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 availibility also stand out as the main concerns for cloud technologies.

CIOs should ask these questions to overcome challenges:





CIO Perspective: Main concerns about Cloud technologies

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

| Security concerns | | 4 | 1% |
|---|------|-----|----|
| IT governance issues, including challenges related to defining standard services and | SLAs | 38% | |
| Difficulty centrally managing IT systems, IoT services and integration cloud services | 32% | | - |
| Reduced customization opportunities | 32% | | |
| Insufficient buy-in from internal stakeholders 31 | 1% | | |
| Regulatory or compliance issues 30% | 6 | | |

Source: IDC Turkey CIO Survey 2019, N=207



Optimized

How to Measure Cloud Maturity?

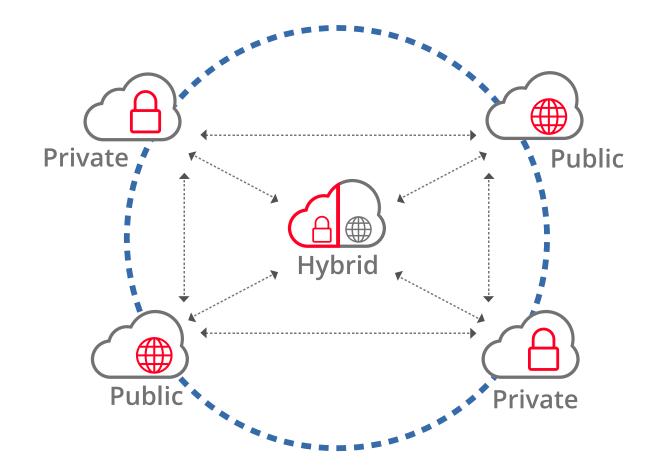
As organizations move down the path of cloud adoption and exploration, they gain important cloud skills and knowledge, which ultimately helps them progress through the 5 stages.

| | | Managed | | Innovation and | |
|---|--|--|---|--|--|
| | Repeatable Industrial Clouds Opportunistic Acility Unleashed Mission-critical workloads and | | | Transformation Engine Organizationwide cloud | |
| Ad Hoc | Collaborative Standardization | More consistent and standardized availability ofimplemente platforms ar | applications are increasingly implemented using cloud platforms and services. | strategies and policies are consistently defined and İmplemented. Business Outcome Business innovation and transformation through organization and partners, with clear understanding of true cost and value. | |
| Exploratory Clouds Individual teams experiment with cloud. Shadow IT reigns supreme with inconsistent approaches to security, information management, and governance. Business Outcome Early-stage technical insight but inconsistent business value. | Cloud leaders begin to collaborate, formalize best practices, and develop frameworks for implementing enterprise-scale hybrid multicloud architectures. Business Outcome Reduced risk from ad hoc clouds and more robust cloud availability and control. | automated cloud resources enables teams to execute more rapidly and cost effectively. Business Outcome Repeatable cloud processes that drive improved speed and quality of business processes. | Workload portability increases while end users enjoy consistent experiences across applications. Business Outcome Infrastructure and development resources that are more scalable, available, and cost efective. | | |
| urce: 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.

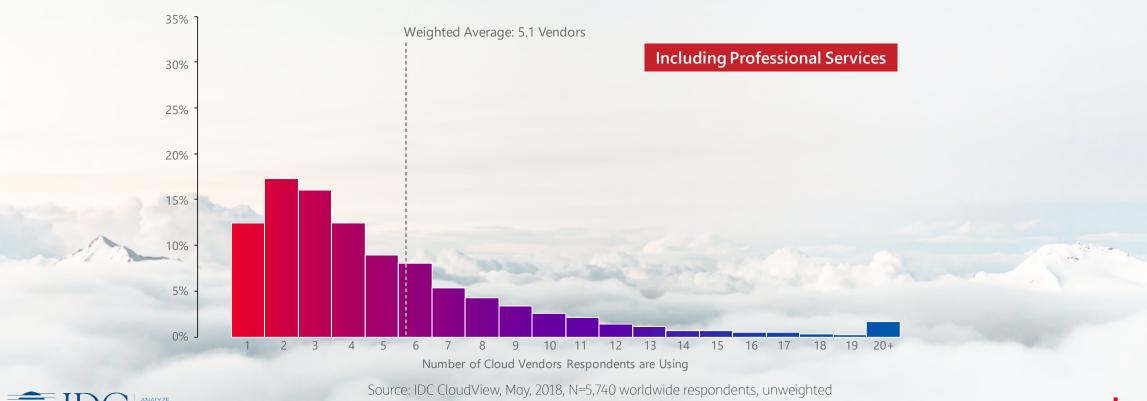




Multicloud Adoption is a Growing Trend

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:



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.

Visit www.tisparkle.com/our-platform/cloud-data-center-platform/multicloud-suite and contact sales sales-tr@tisparkle.com to learn more about Sparkle MultiCloud Automation Platform.

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| IDC TURKEY | Global Headquarters |
|-----------------------------------|-------------------------------|
| Zincirlikuyu Akademiler Sitesi, | 5 Speen Street Framingham, MA |
| D Blok Daire: 74 | 01701 USA |
| 34340 Beşiktaş – İstanbul, Turkey | P.508.872.8200 |
| +90 212 356-0282 | F.508.935.4015 |
| https://idc-community.com/ | www.idc.com |
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