Increase your speed to market with multicloud management

orange™ Business Services

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Agility is paramount in today's fast-moving touchless digital economy. Enterprises demand rapid provisioning of applications to meet targets and speed up time to market. Cloud can provide these resources in a fast, flexible and efficient way, and our multicloud management service allows you to select the clouds that best serve your needs.

Traditional infrastructure can be rigid and unwieldly, making it almost impossible to meet modern business needs. On the other hand, cloud infrastructure-as-a-service (IaaS) provides the scope and elasticity needed by enterprises to move quickly and easily. It also enables digital transformation and can reduce IT infrastructure total cost of ownership (TCO).

The last thing a CIO wants to worry about is whether an enterprise's infrastructure can keep up with business demands and innovation projects. IaaS provides a very effective answer: it is scalable, agile and flexible, which speeds up time to market by providing easy access to key computing requirements. Nevertheless, most legacy applications must be re-architected or re-platformed to take advantage of the scalability of IaaS.

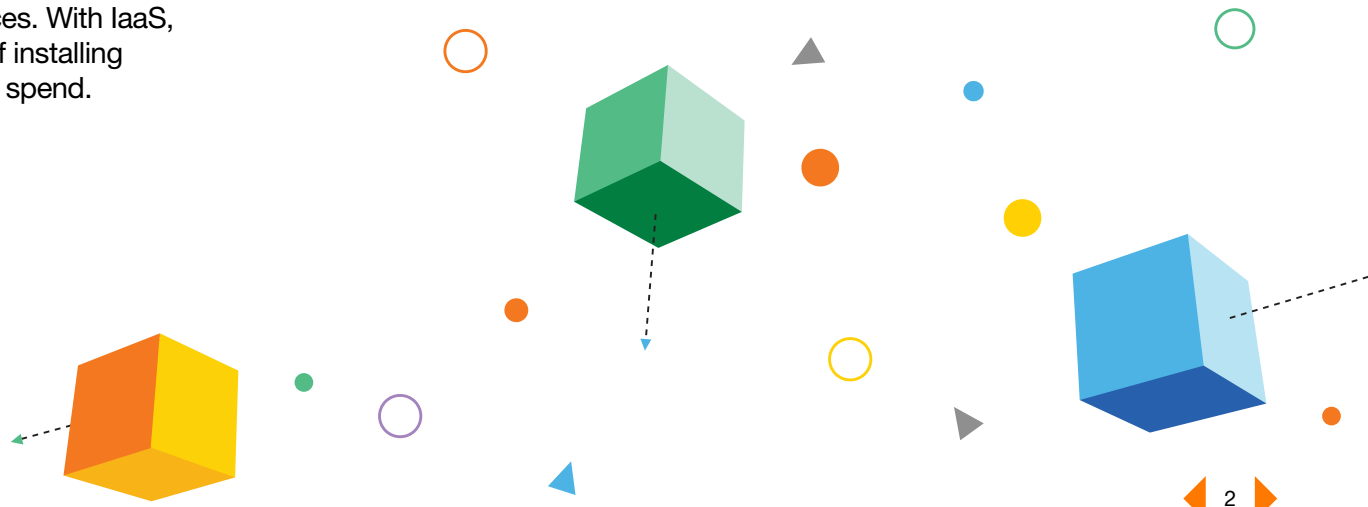
IaaS represents an appealing consumption model for IT resources. With IaaS, IT services can be delivered via a subscription model, instead of installing them internally, eliminating up-front costs and reducing support spend.

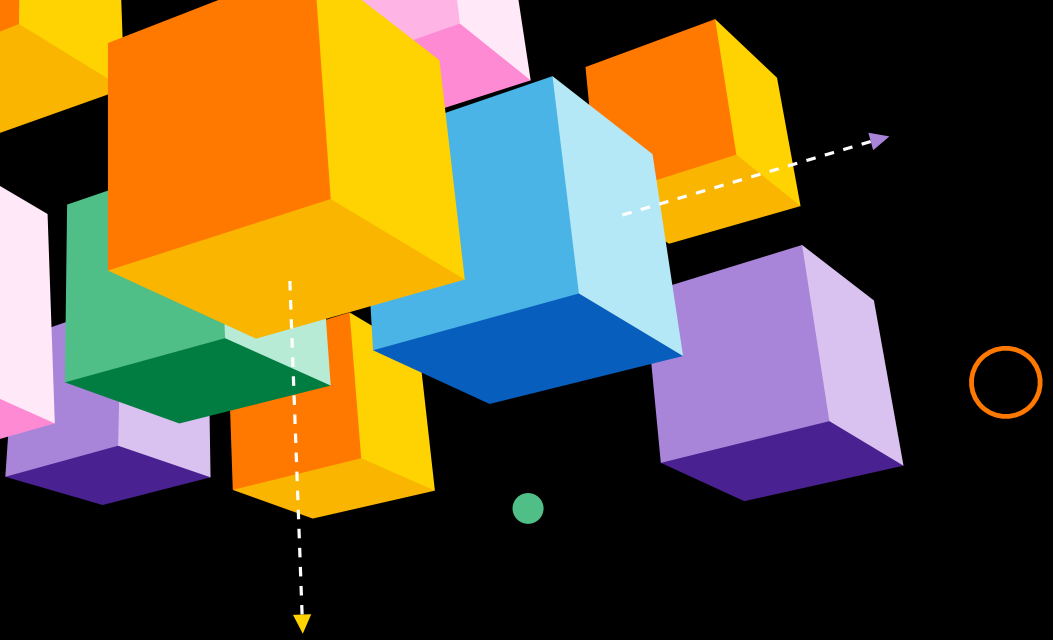
Value-added services

In the past few years, cloud providers have developed value-added services such as container-as-a-service (CaaS) and database-as-a-service (DbaaS) together with analytics, cognitive and machine learning services (MLaaS).

Enterprises should focus on consuming these value-added services directly. They are natively scalable and resilient as opposed to raw infrastructure services. But with so much choice it is easy to end up with a patchwork of cloud solutions, which can undermine your business goals. Complexity is one of the reasons enterprises are increasingly turning to a managed multicloud solution.

Here at Orange Business Services we believe that the focus needs to be on the applications and services that cloud delivers, rather than the IaaS itself. We offer you the capability to define a multicloud strategy that best fits your needs. This includes migrating or rebuilding services and outsourcing your applications via an a la carte solution designed to match your specific business IT requirements from a fully-managed IaaS, irrespective of the cloud provider.





Vendor-neutral managed application services

Our managed application services are available on Flexible Engine, Amazon Web Services (AWS), Microsoft Azure, Google Cloud platform or private cloud solutions. You have the choice of selecting your existing cloud platform or moving to multicloud management. Based on your business requirements you can choose the location of your data and we can support you in one of our data centers worldwide.

Our global team of experts, with extensive experience in cloud architecture, design, migration, application testing and optimization will ensure that your cloud migration is a smooth as possible.

Key features of our managed IaaS include:

- Rapid deployment
- Self-service on demand
- Move from a Capex to an Opex model
- Delivery on subscription basis
- Predictable uptime
- Scalability

Multicloud is the new normal

A multicloud architecture enables enterprises to leverage the power of several clouds. It allows them to avoid vendor lock-in, choose the best available platform for workflow and development projects, and minimize risk. On average our customers use between four and five clouds, which is typical worldwide.

Transitioning an IT infrastructure to cloud is not as simple as it sounds. With multicloud, for example, you need the cloud skills and competencies to deal with each cloud provider involved. You will need to track any vendor changes or innovations, pay attention to security and interoperability, while designing a comprehensive management framework to support your cloud execution in an effective way.

With Orange Business Services you are free to choose your cloud platform. We can manage as much or as little as you want on your behalf. We take time to understand your business model and roadmap to ensure your enterprise gets the optimized cloud experience it needs to improve efficiencies, productivity and processes.

By 2025, 60% of enterprise IT infrastructure spending will be allocated to public cloud and a quarter of enterprise IT applications will run on public cloud services[1]

By 2022, 60% of organizations will have invested in automation, orchestration, and development life-cycle management of cloud-native applications and platforms[2]

Building a cloud-ready network

Regardless of cloud type, the network is paramount. Without networks, users cannot access their cloud services. As a network-native digital services company we are positioned as a full-stack player, providing an end-to-end journey to the cloud via our network.

Orange offers the innate capabilities to manage all cloud connectivity, from the local partner site through to the cloud network.

Ensuring cloud infrastructure security

Security is a critical element of the Orange cloud offering. We secure our solutions by design and apply strong security processes, methodology and patterns when delivering managed services on any cloud.

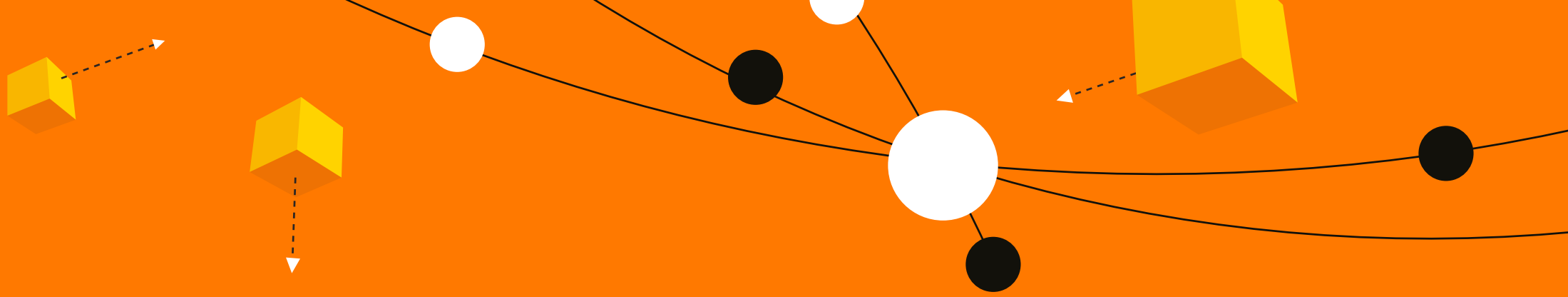
Our Orange Cyberdefense advisory services support clients in adopting cloud services securely, by:

- Advising on all elements of cloud security, from governance and principles through to architecture and design.
- Providing guidance across all areas of cloud security and help in the implementation phase.
- Experience of building services across IaaS, PaaS and SaaS, and securing interactions across hybrid environments.
- Partnerships with leading technology vendors, enabling us to bring across best practices from their implementations.
- Offering an encryption service if required.
- Detecting cyberattacks and fraud attempts through our Cyber Security Operations Center (CyberSOC) to help fight against cybercrime.

Multicloud complexities

The complexities associated with multicloud are a major challenge. It is essential to have end-to-end visibility across cloud resources to monitor and manage the services, and ensure provisioning is optimized.

Multicloud requires that you manage contracts from multiple suppliers, use strong governance in creating service catalogs and have a single portal to manage the multicloud estate. A multicloud management service provider can take over operations management on your behalf, so that your IT teams can concentrate their efforts on pushing the business forward.



Five steps to multicloud with Orange Business Services

Follow these five steps to take a structured approach to multicloud adoption and management, at any stage of your cloud journey.

1 **Assess your current IT legacy system with discovery tools that give a comprehensive view of apps, flow, etc.** This will define your cloud trajectory and build a migration roadmap. It may also help you to select a suitable cloud. If you have several Microsoft licenses, for example, it may be practical to run with Azure. With the roadmap complete, we migrate your apps from the enterprise data center to the cloud. If you already have applications running in different clouds and want Orange Business Services to manage them, we assess the architecture by running our monitoring tools on top. We check application construction, what they do and then commit to running them.

2 **Implementing a multicloud strategy requires clarity on workloads and individual user needs to use the best services for mission-critical applications, high-volume workloads, etc.** We usually recommend our customers consider a primary cloud provider complemented by additional cloud providers for specific domains. This allows us to design an application-per-application strategy when choosing and migrating applications to the cloud. We can help you map your workloads to make the most efficient use of your infrastructure and applications – ensuring you have scalability and performance for future needs.

3 **The real benefit of cloud comes from building and deploying cloud-native applications that leverage automated cloud services proposed by the providers.** We support this transformation by integrating your continuous integration (CI) and continuous delivery (CD) chain in the cloud ecosystem and setting up a DevOps factory that matches your processes. CI/CD is a way of delivering apps to customers by adopting automation into the stages of app development. We can also help in the scripting and automation of your cloud services.

4 **Governance mechanisms must be in place from the beginning.** This is key to adopting an efficient FinOps approach to optimize cloud consumption. It should cover data governance, privacy and security. We work in close collaboration with Orange Cyberdefense, applying vulnerability scans, distributed denial of service (DDoS) protection and so forth.

5 **Avoid patchwork, ad hoc cloud adoption. This isn't sustainable in terms of security, cost and operational efficiencies.** You must have a comprehensive cloud strategy based on what works for your unique business requirements. There is no one-size-fits-all cloud adoption strategy.

Find out more about how Orange Business Services can help you access unmatched flexibility by adopting cloud services: https://www.orange-business.com/en/focus/multicloud

Sources:
1. IDC FutureScape: Worldwide Cloud 2020 Predictions
2. IDC FutureScape: Worldwide Cloud 2020 Predictions

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