CLOUD ORCHESTRATION

A global trend in the context of digital transformation

In American pop culture an orchestra is described as a creature and the conductor as "the dragon tamer". It's an apt analogy for the universe of multi-cloud IT ecosystems, where orchestration is the key to taming the complex mix of cloud and traditional IT environments and obtaining real business value out of it.

Orchestration as a success factor

Businesses across the world are adopting cloud orchestration to accelerate their infrastructure deployment and provisioning. Cloud orchestration tools enable a business to reduce costs, ensure that their employees are working on more strategic initiatives and enable artificial intelligence to manage everyday activities.

64%
of those stating to be
"EXTREMELY SUCCESSFUL"
with the cloud, were using
cloud orchestration

32%
believe that a
LACK OF INTERNAL SKILLS
is limiting their success
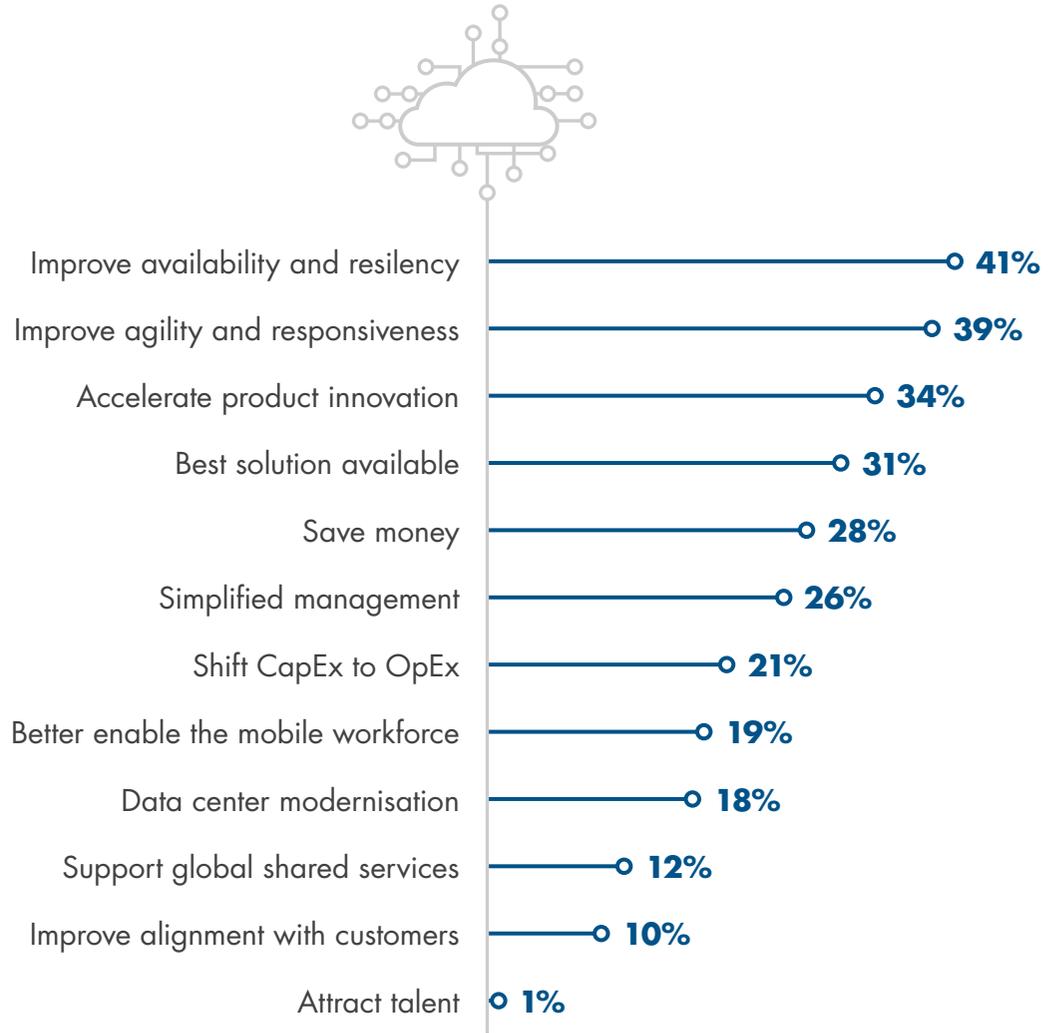concerning execution
of businesses via cloud

9 out of 10
WOULD VALUE
a partner who can advise on
cloud strategy, carry out cloud
migration and put the infrastructure
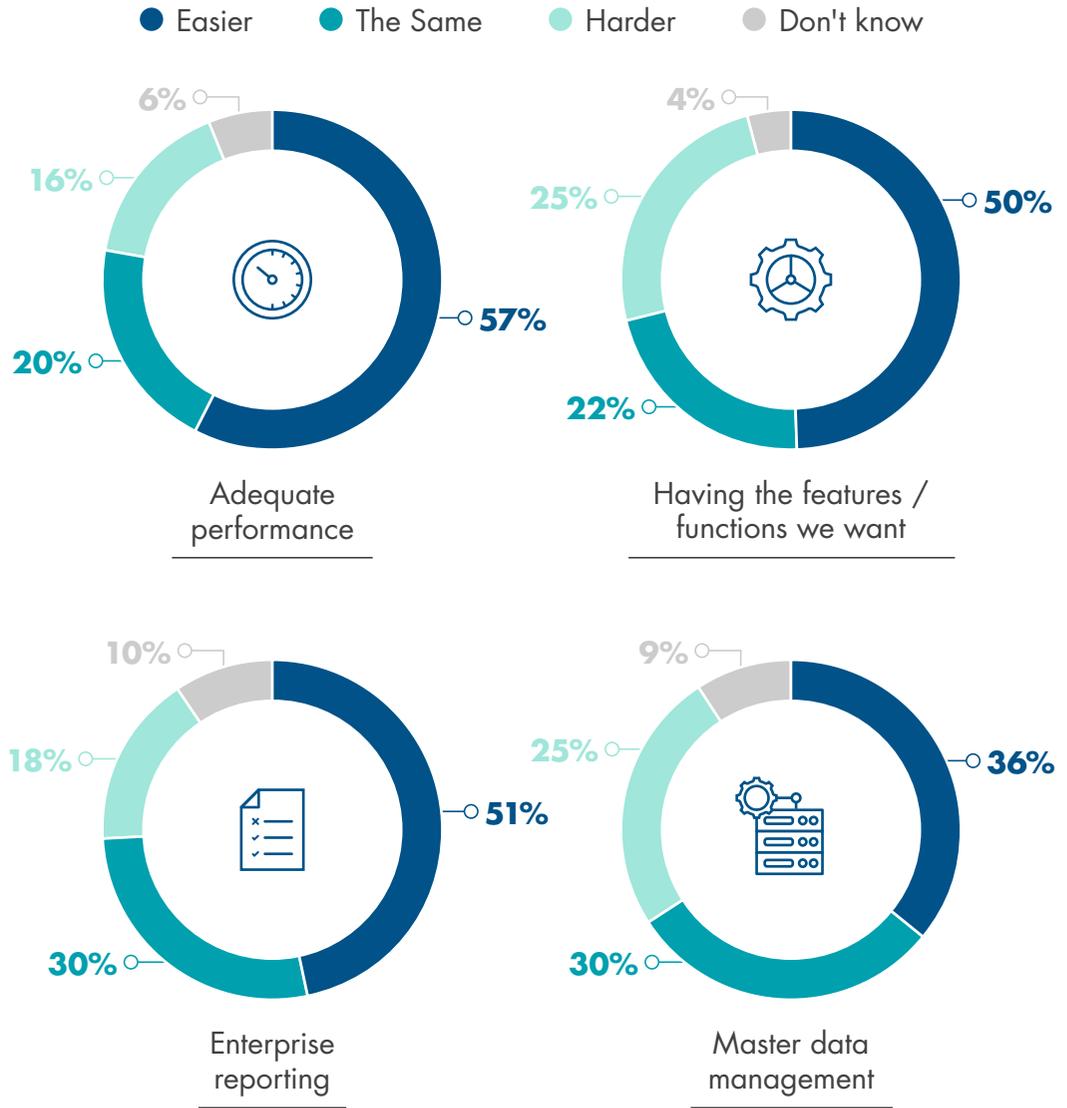in place

Why use the cloud in the first place?

Reasons for using/adopting cloud technology worldwide, as of 2017

The most important reasons to adopt cloud technology are the improvement of availability, resilency, agility and responsiveness as well as accelaration of product innovations.
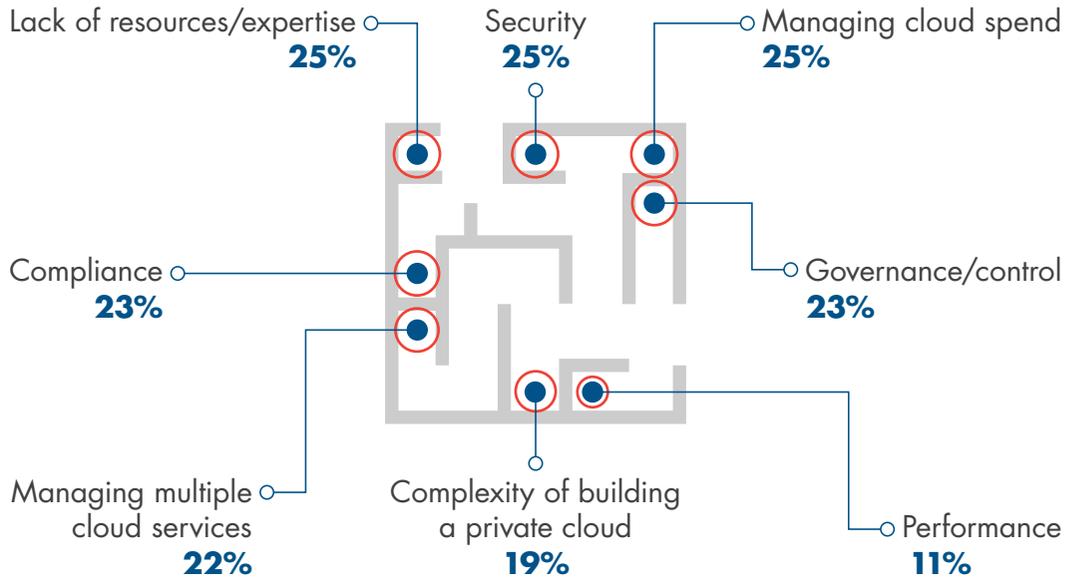
Improve availability and resilency	**41%**
Improve agility and responsiveness	**39%**
Accelerate product innovation	**34%**
Best solution available	**31%**
Save money	**28%**
Simplified management	**26%**
Shift CapEx to OpEx	**21%**
Better enable the mobile workforce	**19%**
Data center modernisation	**18%**
Support global shared services	**12%**
Improve alignment with customers	**10%**
Attract talent	**1%**

Work-relief through the cloud environment. There is a visible advantage for the following subjects when using them in a cloud environment.

● Easier ● The Same ● Harder ● Don't know

Adequate performance

6%
16%
20%
57%

Having the features / functions we want

4%
25%
22%
50%

Enterprise reporting

10%
18%
30%
51%

Master data management

9%
25%
30%
36%

There are a number of challenges to consider when integrating a cloud system into the business environment.

Challenges created by the Cloud

Lack of resources/expertise
25%

Security
25%

Managing cloud spend
25%

Compliance
23%

Governance/control
23%

Managing multiple cloud services
22%

Complexity of building a private cloud
19%

Performance
11%

Partnering up could help you to overcome those challenges created by the cloud and in the same time deliver many advantages.

The main reasons to look for a partner to outsource your cloud orchestration solution

FREE up resources to focus on core business

PROVIDE access to skills not available in-house

SAVE money

IMPROVE flexibility in use of resources

Moving from "THE IT-DEPARTMENT DOES SOMETHING" to "THE IT-DEPARTMENT MANAGES TRANSFORMATION"

CIOs are the key link to the cloud and partnering up

The last thing a CIO wants to worry about, when working to improve an organization, is whether the infrastructure can keep the pace with the need to innovate and respond to competitive pressures. Working together with a strong partner that orchestrates your clouds is a good solution to the problem.

Orchestration helps create predictable processes, thereby reducing the chance of errors. This set of predictable processes can be automated. Thus, orchestration improves consistency and increases reliability across IT.

In cloud experienced environments the CIO has more often taken a leadership role concerning the move to the cloud.

CIOs in cloud leading companies receive the most benefit since they can now focus more on strategic elements within the company.

CIO has taken a leadership role in the move to cloud

Cloud Novices **31%**   Cloud Followers **37%**   Cloud Leaders **62%**

Cloud has freed up IT organization to focus on more strategic things

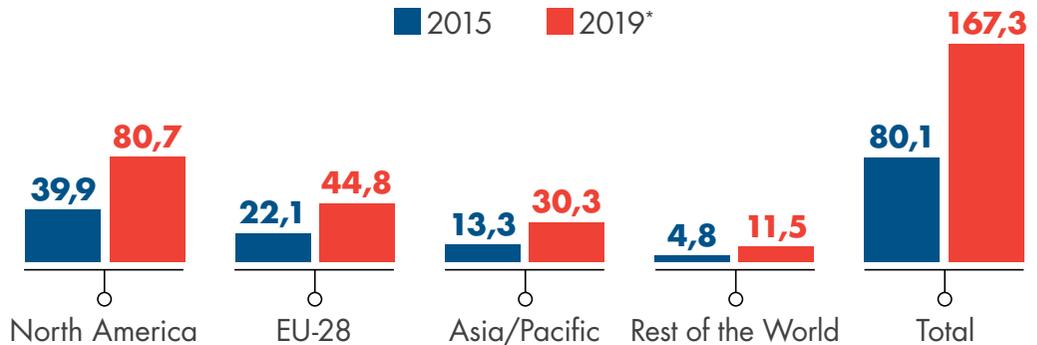Cloud Novices **35%**   Cloud Followers **36%**   Cloud Leaders **52%**

CIOs have the opportunity to be a KEY ENABLER AND INNOVATOR in the migration to an as-a-service model

71% SAY STRATEGIC INFLUENCE OF THE CIO IS GROWING
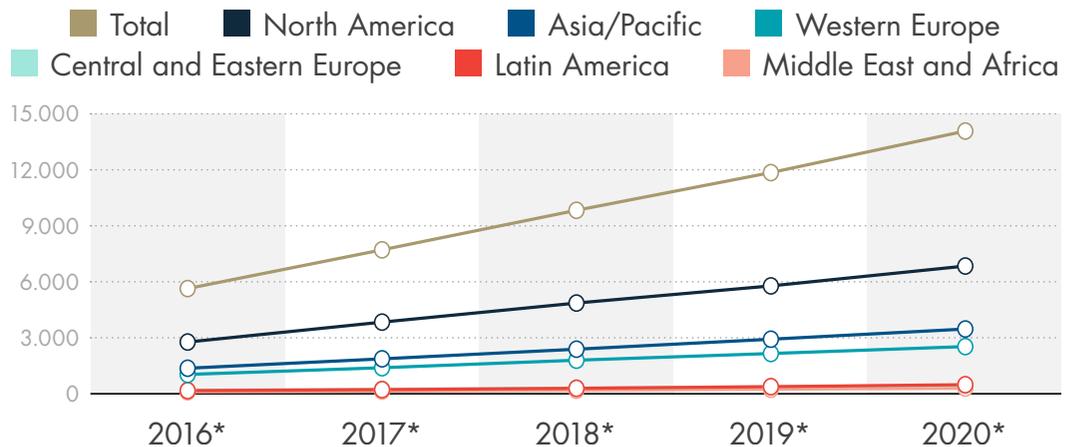
The unstoppable rise of the cloud

The cloud market has been steadily growing and there is no end in sight. Quite the reverse, more and more complexity and volume is being added to the system.

Cloud has been, is and will continue to grow. The revenue in the market is predicted to more than double from 2015 to 2019.

Global revenue of the enterprise cloud computing market by region from 2013 to 2019 (in billion euros)

■ 2015   ■ 2019*

	North America	EU-28	Asia/Pacific	Rest of the World	Total
2015	39,9	22,1	13,3	4,8	80,1
2019*	80,7	44,8	30,3	11,5	167,3

Not only the revenue will see a huge growth. The global cloud traffic is predicted to grow in an even higher percentage.

Global cloud traffic worldwide from 2014 to 2020, by region (in exabytes per year)

■ Total   ■ North America   ■ Asia/Pacific   ■ Western Europe
■ Central and Eastern Europe   ■ Latin America   ■ Middle East and Africa

There are a number of challenges to consider when integrating a cloud system into the business environment.

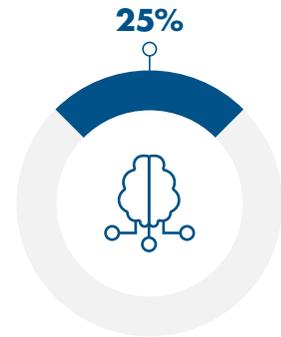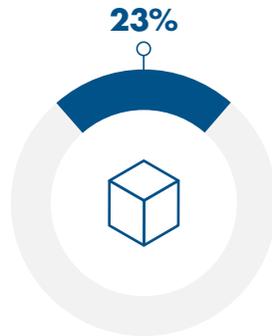Which of the following will have the most measurable impact on your business?
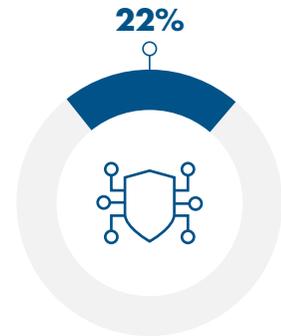
25%

Cloud computing

25%

Internet of Things

25%

Artificial Intelligence

23%

3D printing

23%

Virtual reality

22%

Blockchain

Along with mega trends such as IoT and AI, cloud computing remains on top of the agenda for every business

It is interesting to note in this context that the cloud is one of the key enabling factors for both IoT and AI scenarios.

Only hyped topics such as 3D, VR, and blockchain are of comparable significance at the moment. They, however, still have to prove their long-term relevance.

Conclusion: There can be no digital transformation without the right cloud solution.

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