

# The 10 biggest IT challenges in the data center

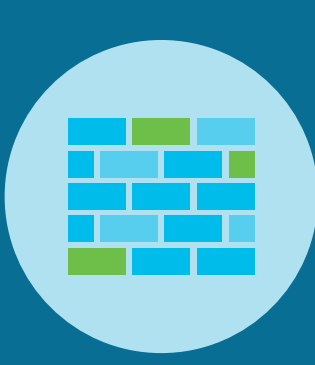


IT managers face many conflicting priorities:



Maintaining flexibility

vs.



Guaranteeing stability



Using new technologies

vs.



Reducing risk



Investing in technology

vs.



Having a lower IT budget



Comprehensive IT security

vs.



Open IT infrastructure

Get your technology ready today for IT evolution in a future where there's nothing center-ed about your data anymore:     



## Data center in a hybrid/multicloud

Rapid adoption of cloud infrastructure and services must be planned for due to more workloads migrating to the cloud and increased demand from technologies such as Artificial Intelligence (AI), Machine Learning (ML), and Internet of Things (IoT), which need a lot of computing power.



## More complexity with containers and microservices

Containers and microservices are the new types of application for development and operations (DevOps) in the cloud. You must ensure your infrastructure is able to meet the new demands these applications place on your infrastructure.



## Business-driven IT

By 2021, 50% of IT expenditure will come from business units instead of traditional IT departments\*. Meeting the needs of Line of Business (LoB) Managers will be increasingly important for IT teams moving forward.



## IT as an enabler of services

IT and the data center must deliver the right service, at the right speed, from the right service provider, at the right price. This means IT infrastructure requirements must be defined precisely.



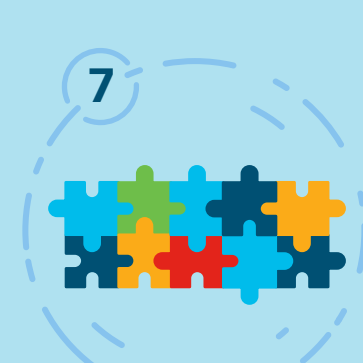
## IT as part of the multi-cloud world

There is an increasing gap between the needs of cloud applications and LoBs and what IT infrastructure can deliver. IT teams need new processes and tools to provide reliable and secure support for applications, data, and end users.



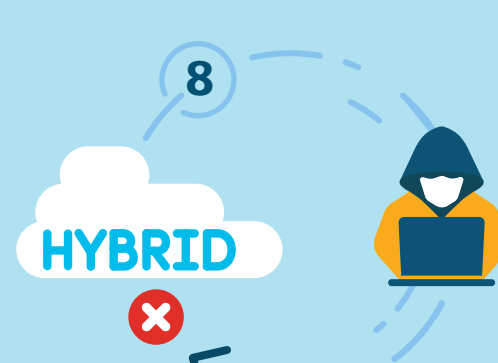
## Effective resource planning

Availability of applications and data is critical, but so too are capacity, load and density. With the right analysis and tools, IT can ensure investments are focused in the right areas to increase efficiency and avoid over-provisioning.



## Multi-vendor strategy

Hardware and software are typically procured from multiple vendors. Choosing a single strategic IT vendor means you can simplify your infrastructure, secure your investment and implement an end-to-end strategy that meets all of your current and future needs.



## Cyber security strategy

There is the ever-present threat of cyberattacks. The correct security tools must be available if a company decides to go for a hybrid-cloud model.



## New IT investments

Devices often fail to keep pace with the needs of new technologies and rapidly evolving markets. A key question is whether your organisation should rip and replace or modernize. With the right strategic partner, you can find the best model for you and future-proof more effectively.



## The hyperconvergence hype

Everyone is talking about hyperconverged infrastructure (HCI). But not all forms of HCI are made equal and first-generation platforms cannot support all applications. As a result, careful consideration should be given to whether an HCI solution can meet all of your needs when it comes to performance, scale and security.

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Gartner: <https://www.gartner.com/newsroom/id/3616417>

\*IDC: <https://www.idc.com/getdoc.jsp?containerId=prEMEA43728418>