

# NEXT GENERATION DATA CENTER

Computacenter architects private cloud platforms based upon industry-leading software-defined infrastructure and automation, orchestration and containerization technologies. These solutions:

- provide cloud-like flexibility and elasticity with on-premises control
- reduce complexity with converged and hyperconverged platforms
- enable rapid provisioning and streamlined maintenance
- support cloud-native applications, microservices architectures and containers
- enable seamless management of on-premises and cloud workloads

Computacenter helps organizations modernize their data centers with private cloud solutions that enable greater agility and manageability.

Despite widespread migration to the cloud, onsite data centers remain a crucial part of enterprise IT strategies. However, data centers must become more agile to support today's dynamic workloads. Organizations are also looking to gain cloud-like flexibility, scalability and resilience throughout the IT infrastructure.

These trends are driving rapid uptake of private cloud technologies. An IDC study found that dedicated Infrastructure-as-a-Service is seeing 31 percent year-over-year growth as organizations invest in on-premises cloud technologies.

However, legacy technology silos and error-prone, manual processes create significant roadblocks. Operational complexity makes it difficult to interconnect workloads and data across public and private clouds, and to ensure availability, security and compliance. IT teams struggle to deliver on-demand access to IT resources across users and devices.

Computacenter helps customers develop a well-defined roadmap for implementing private cloud technologies, integrating them with existing IT infrastructure, and migrating applications and services. Customers gain elastic scalability, high levels of automation and streamlined management, with the security and performance of an on-premises environment.

## DELIVERING ON THE PROMISE OF THE PRIVATE CLOUD

According to the 2021 Flexera State of the Cloud Report, more than 80 percent of organizations have implemented or plan to implement at least one private cloud. A private cloud provides the business, technical and operational advantages of the cloud while enabling onsite control of applications and data.

The journey to the private cloud begins with hyperconverged and software-defined solutions that reduce complexity and enable seamless management across the distributed enterprise. Workloads can be deployed as easily on-premises as in the cloud and consumed like any other cloud service.

These solutions are augmented with automation, orchestration and containerization solutions that streamline provisioning and management and support cloud-native workloads. The result is an agile environment that accelerates digital transformation initiatives.

## THE COMPUTACENTER APPROACH

Computacenter is uniquely positioned to architect private cloud solutions that deliver on the promise of the next-gen data center. These solutions form the foundation of a future-proof infrastructure that reduces complexity and total cost of ownership. Organizations become better positioned to create new digital services and respond quickly to market changes.

We start by helping customers develop a data center modernization roadmap and application rationalization strategy. We then assist in evaluating industry-leading hyperconverged and software-defined technologies and define the private cloud architecture. Proofs of concept are developed as needed to demonstrate business value and conceptualize future modes of operation.

Our experienced engineers ensure the successful implementation and integration of private cloud technologies and automation, orchestration and containerization solutions. They also empower the in-house IT teams for long-term operation of the environment with knowledge transfers, upskilling and support.

## WHY COMPUTACENTER

Computacenter is recognized by ISG as a Hybrid and Private Cloud LEADER. Our team has completed thousands of projects leveraging the VMware portfolio, and we continue to increase our delivery skillsets and resources within VMware Cloud Foundation. Our offerings continue to evolve to meet changing customer requirements.

## Delivering Value: Content Delivery

A multichannel video program distributor needed to upgrade and modernize its legacy data centers to consolidate physical hardware, increase resilience and enable user self-provisioning.

Computacenter implemented a tightly integrated hyperconverged platform based upon Dell and VMware technologies. The extensible architecture incorporates cloud features, including centralized management, provisioning and governance. The customer also gained a standardized infrastructure that supports all of its applications, with a predictable cost model based on known building blocks.