Computacenter

ON-PREMISES IT WORKLOADS:
KEY TECHNOLOGIES AND TRENDS

The cloud delivers proven benefits, but it's not suitable for every workload. Organizations are keeping mission-critical and transaction-intensive workloads on-premises, and are looking to update and modernize their data centers to meet growing demand. Private cloud technologies are a key area of investment.

94% of organizations will still use on-premises servers through 2023. [1]

52% of data and half of all workloads remain onsite today. [4]

30% of the typical IT budget is spent on on-premises hardware, compared to 26% on cloud services. [2]

31% growth of the dedicated Infrastructure-as-a-Service market is expected as organizations invest in private cloud technologies. [5]

80% of organizations have implemented or plan to implement at least one private cloud. [3]

41% of IT decision-makers say their private clouds are cheaper than the public cloud, with 17% citing automation as the key factor contributing to cost savings. [6]

1,2 Spiceworks Ziff Davis
3,4,5 IDC
6 451 Research

REASONS WHY ORGANIZATIONS MAINTAIN WORKLOADS ONSITE

PERFORMANCE

For high transaction workloads and large relationship databases, moving data to and from the cloud creates unacceptable levels of latency.

BUSINESS DISRUPTION

Many IT leaders are concerned about the disruption caused by migrating mission-critical workloads to the cloud.

SECURITY AND COMPLIANCE

Organizations often maintain sensitive data in a single-tenant environment to ensure security and meet regulatory compliance requirements.

COST CONCERNS

Most public cloud providers charge for data egress, so workloads that move a lot of data can get very expensive in the cloud.

LEGACY AND PROPRIETARY APPLICATIONS

Some legacy applications and those that depend on proprietary hardware and chipsets aren't compatible with cloud architectures.

FACTORS DRIVING PRIVATE CLOUD ADOPTION

GREATER AGILITY

Private clouds provide the flexibility and scalability of the public cloud while maintaining onsite control.

RAPID PROVISIONING

Replacing legacy technology silos with software-defined architectures enables IT teams to roll out new services faster to meet business demand.

STREAMLINED MANAGEMENT

Hyperconverged platforms and automation and orchestration tools reduce complexity and eliminate many error-prone manual tasks.

FUTURE-PROOF ENVIRONMENT

Private cloud technologies enhance support for cloud-native applications, microservices architectures and containers.

Want to learn more?

Please contact your Computacenter team to discuss how we may better support your office environment.

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