TechTarget’s Enterprise Strategy Group (ESG) conducted an in-depth survey of 350 IT professionals responsible for evaluating, purchasing, and managing applications and infrastructure at large midmarket and enterprise organizations in order to better understand the strategy, process, personas, and considerations involved in multi-cloud application deployment and migration decisions. The results show that distributed application environments spanning multiple public clouds, data centers, and edge and colocation locations are the present and future reality for IT. In addition, trends identified in this research point toward a more even distribution of applications and spending across on- and off-premise environments in the future and away from consolidation at any single location.

**The Rise of Distributed Workloads and Its Impact on IT Decision Making**


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Today’s average application environment is highly distributed, with most organizations deploying and managing applications at least on two on-premises data centers, two colocation data centers, two public cloud IaaS locations, and two public cloud PaaS locations.

Cloud Deployment Barriers Reveal Crucial Justifications for On-premises Infrastructure

When selecting a deployment location for existing applications, **DATA ACCESS AND MOBILITY** was identified by more than half (54%) of organizations as a carefully evaluated requirement.

Applications and Data Are Vital, but Organizations Struggle with Placing Them Where They Work Best

These challenges include the cost, complexity, and risk associated with migrating and refactoring applications for the cloud.

Conclusion

Multi-cloud offers strategic benefits, as well as challenges. Organizations need to partner with a vendor that can help them place workloads according to business needs, rather than technological limits.

Dell Technologies solutions offer a broad portfolio of industry leading technologies, as well as partnerships across the multi-cloud ecosystem, with more than 400 validated designs to accelerate your multi-cloud journey.

Dell APEX delivers cloud experiences wherever organizations have applications and data, whether on premises, in a colocation, at the edge, or in public clouds, enabling optimal workload and data placement. In addition, APEX offers organizations simple business and management experiences while increasing the agility of their IT and development organizations.

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