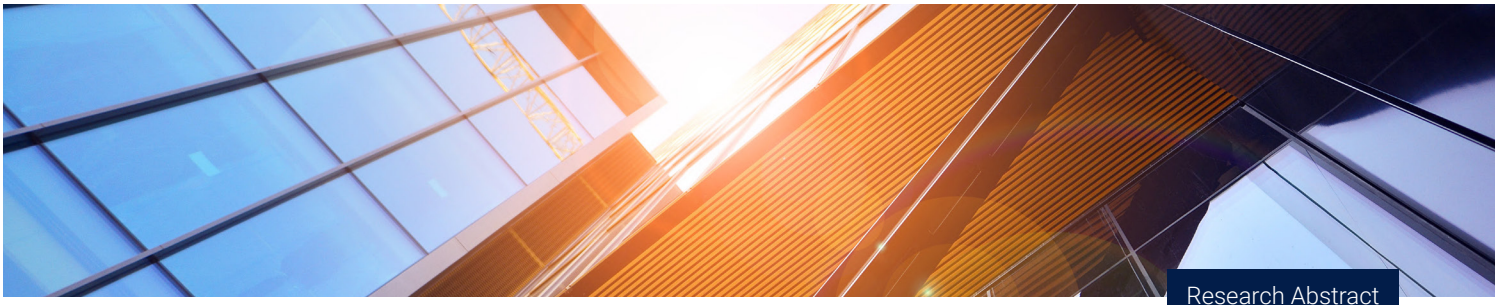


Research Abstract

PROWESS

# The Public Cloud Might Be Costing You More Than You Think

Analysis conducted by Prowess Consulting indicates that a private cloud solution with a disaggregated infrastructure could save money over the public cloud for a variety of workloads.

The rapid adoption of public cloud services has brought flexibility and scalability to organizations. It has also introduced challenges around cost predictability and infrastructure control. As organizations seek to regain visibility and governance over their IT environments, private cloud solutions offer a compelling alternative. One option for keeping cloud capabilities while reducing the associated costs and challenges is to adopt on-premises, private-cloud solutions.

Private-cloud solutions present a cost-efficient alternative to the public cloud, providing enhanced control, security, and customization. As organizations increasingly face challenges in cost predictability and infrastructure management with public cloud services, private clouds offer tailored infrastructure solutions that align precisely with operational needs. Private clouds can combine on-premises IT infrastructure with disaggregated compute and storage technologies, which can help ensure scalability, compliance, and performance without sacrificing governance.

### Highlights

Private clouds with Dell Technologies solutions can cost

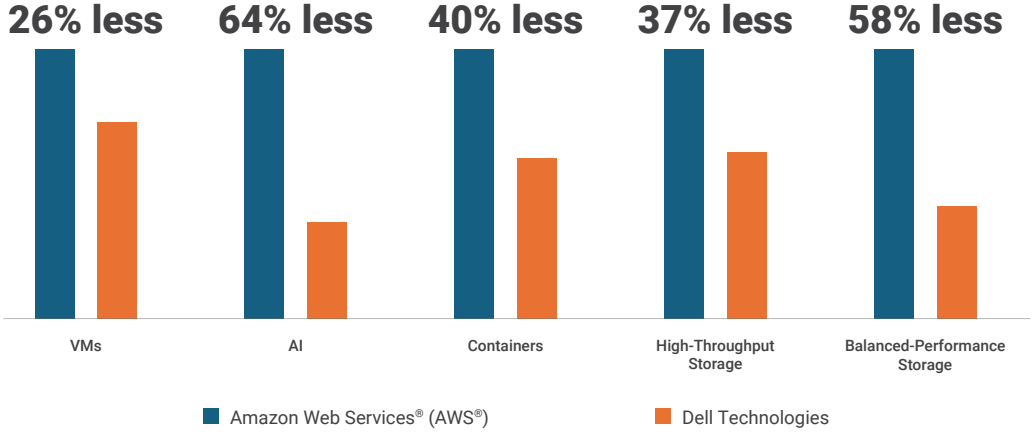
**26–64%**

less than public cloud options run on Amazon Web Services® (AWS®).[1]

## Evaluating the Private Cloud

In order to assess the price differential of a private cloud versus the public cloud, Prowess Consulting investigated the costs of running different workloads on public clouds versus multicloud solutions. We examined a matchup of Amazon Web Services® (AWS®) public-cloud instances and various Dell Technologies solutions as representative examples of options for running a variety of enterprise workloads. We discovered that private-cloud deployments with Dell Technologies solutions, on average, can cost 26–64% less than public-cloud options run on AWS.[1]

**Private-cloud deployments with Dell Technologies solutions cost less than public cloud options by up to:**



## Study Overview

We investigated the unit cost of running different workloads on public clouds through hyperscalers and with private cloud solutions. To make the comparison, we evaluated both exemplars using the following workload scenarios:

- Virtual machines (VMs)
- AI
- Containers
- High-throughput storage
- Balanced-performance storage

In all of these usage scenarios, the multicloud solution we examined brought significant savings relative to the public cloud.

## Get the full story by reading the technical research study:

"Cost Considerations for Placing Enterprise Workloads in Public Clouds"

### Endnotes

[1] Based on a comparison of Dell Technologies solutions against an Amazon Web Services® (AWS®) solution as of April 2025. For details, see: Prowess Consulting. "**Cost Considerations for Placing Enterprise Workloads in Public Clouds.**" September 2025.



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