

Principled Technologies study shows that an on-premises Dell AI Factory solution can reduce 4-year TCO for GenAI

A Dell AI Factory on-premises solution, paid for up front or using Dell APEX Infrastructure, cost less than competitive AWS and Azure solutions

ROUND ROCK, TX, UNITED STATES, July 28, 2025 /EINPresswire.com/ -- A major challenge facing organizations embarking on GenAI projects and hosting them in the cloud is the accrual of unexpected costs that force them to postpone or cancel their plans. The Dell AI Factory offers on-premises solutions capable of powering GenAI that can help keep these unexpected costs at bay and dramatically reduce the cost of a project over the next four years. To quantify the cost of various options, Principled Technologies evaluated the four-year total cost of ownership (TCO) for GenAI cloud solutions from AWS SageMaker and Azure Machine Learning as well as a Dell AI Factory on-premises solution using two payment models: CAPEX and via subscription with Dell APEX Infrastructure.

The report states, "According to our calculations, the Dell AI Factory solutions were the most cost-effective of the 4-year solutions we compared. The Dell APEX Infrastructure solution reduced costs by 62 percent compared to AWS and 60 percent compared to Azure. The same Dell AI Factory on-premises solution with no subscription (CAPEX model)



Report: Make GenAI investments go further with the Dell AI Factory

would reduce 4-year costs by 63 percent compared to the AWS solution and 61 percent compared to the Azure cloud solution we priced. Read on to see how choosing to run GenAI on premises with an on-premises Dell AI Factory solution can help your company make the most of your investment."

It concludes: "These results show that organizations looking to implement GenAI and reap the business benefits to come can find many advantages in an on-premises Dell AI Factory solution, whether they opt to purchase and manage it themselves or engage with Dell APEX Infrastructure. Choosing an on-premises Dell AI Factory solution could save your organization significantly over hosting GenAI in the cloud, while giving you control over the security and privacy of your data as well as any updates and changes to the environment, and while ensuring your environment is managed consistently."

To learn more about how choosing a Dell AI Factory on-premises solution can reduce the 4-year TCO of GenAI projects, read the report at <https://facts.pt/VdyUdP5> and see the infographic at <https://facts.pt/qGJDAoH>.

About Principled Technologies, Inc.

Principled Technologies, Inc. is the leading provider of technology marketing and learning & development services.

Principled Technologies, Inc. is located in Durham, North Carolina, USA. For more information, please visit www.principledtechnologies.com.

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Infographic: Make GenAI investments go further with the Dell AI Factory

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