

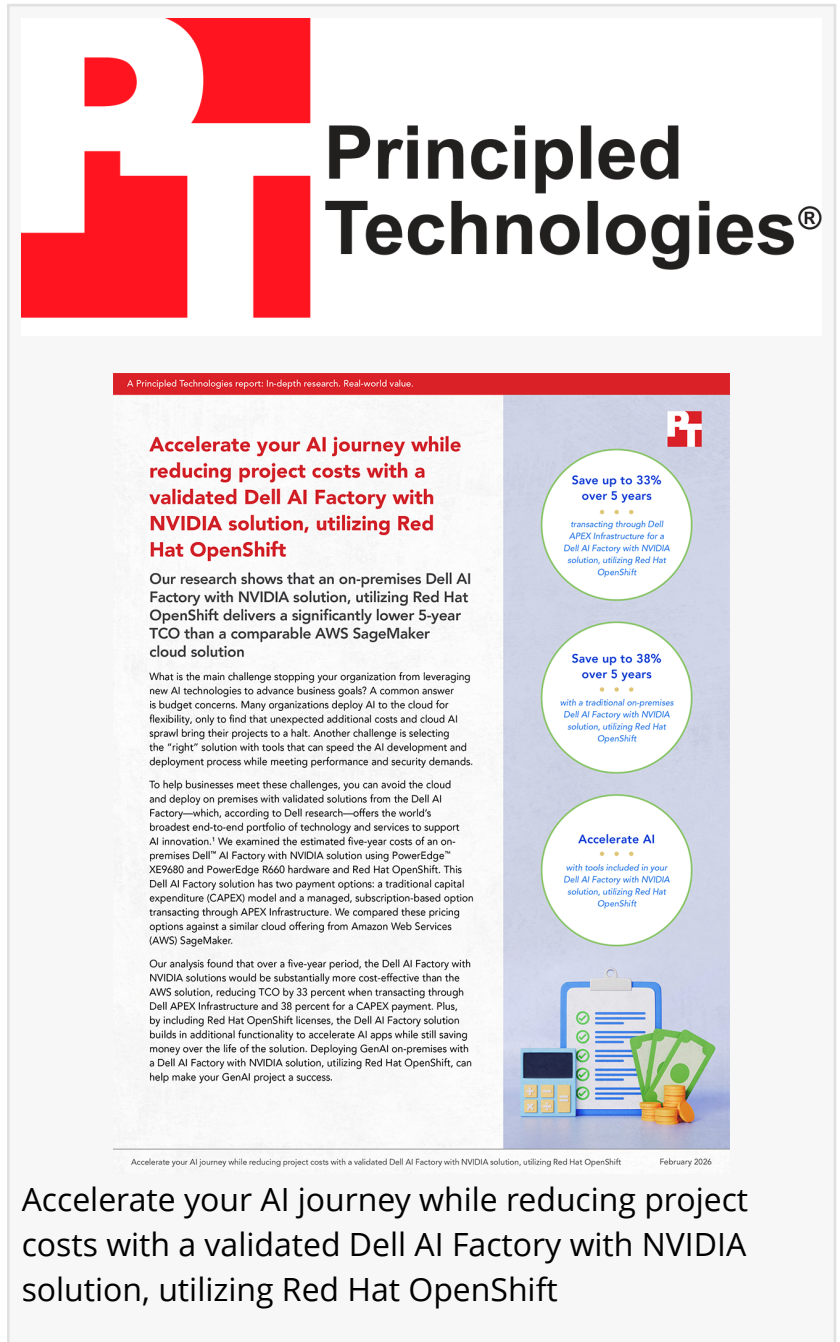
Third-party study: Dell AI Factory with NVIDIA solution utilizing Red Hat OpenShift can save costs versus AWS SageMaker

Principled Technologies (PT) compared the 5-year TCO of the two solutions and saw that the Dell solution could cost up to 38% less.

ROUND ROCK, TX, UNITED STATES, March 5, 2026 /EINPresswire.com/ -- Organizations pursuing GenAI initiatives have a range of challenges to contend with, but cost is a significant issue. To plan and budget properly, leaders investing in GenAI platforms need to understand what these solutions will cost over time.

Principled Technologies assessed the five-year total cost of ownership (TCO) of two solutions for GenAI workloads: Dell AI Factory with NVIDIA, utilizing Red Hat OpenShift, and an equivalent AWS SageMaker solution. PT looked at the cost of the Dell and NVIDIA solution both as a traditional on-premises solution, which an organization might buy outright, and as a subscription transacting through Dell APEX Infrastructure.

The report states, "Our analysis found that over a five-year period, the Dell AI Factory with NVIDIA solutions would be substantially more cost-effective than the AWS solution, reducing TCO by 33 percent when transacting through Dell APEX Infrastructure and 38 percent for a CAPEX payment. Plus, by



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Accelerate your AI journey while reducing project costs with a validated Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift

Our research shows that an on-premises Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift delivers a significantly lower 5-year TCO than a comparable AWS SageMaker cloud solution

What is the main challenge stopping your organization from leveraging new AI technologies to advance business goals? A common answer is budget concerns. Many organizations deploy AI to the cloud for flexibility, only to find that unexpected additional costs and cloud AI sprawl bring their projects to a halt. Another challenge is selecting the "right" solution with tools that can speed the AI development and deployment process while meeting performance and security demands.

To help businesses meet these challenges, you can avoid the cloud and deploy on premises with validated solutions from the Dell AI Factory—which, according to Dell research—offers the world's broadest end-to-end portfolio of technology and services to support AI innovation.¹ We examined the estimated five-year costs of an on-premises Dell AI Factory with NVIDIA solution using PowerEdge™ XE9680 and PowerEdge R660 hardware and Red Hat OpenShift. This Dell AI Factory solution has two payment options: a traditional capital expenditure (CAPEX) model and a managed, subscription-based option transacting through APEX Infrastructure. We compared these pricing options against a similar cloud offering from Amazon Web Services (AWS) SageMaker.

Our analysis found that over a five-year period, the Dell AI Factory with NVIDIA solutions would be substantially more cost-effective than the AWS solution, reducing TCO by 33 percent when transacting through Dell APEX Infrastructure and 38 percent for a CAPEX payment. Plus, by including Red Hat OpenShift licenses, the Dell AI Factory solution builds in additional functionality to accelerate AI apps while still saving money over the life of the solution. Deploying GenAI on-premises with a Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift, can help make your GenAI project a success.

Save up to 33% over 5 years
transacting through Dell APEX Infrastructure for a Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift

Save up to 38% over 5 years
with a traditional on-premises Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift

Accelerate AI
with tools included in your Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift

Accelerate your AI journey while reducing project costs with a validated Dell AI Factory with NVIDIA solution, utilizing Red Hat OpenShift February 2026

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It concludes, “Organizations looking to advance their AI initiatives can face significant challenges around cost management, solution selection, and operational efficiency. The on-premises Dell AI Factory with NVIDIA solution utilizing Red Hat OpenShift addresses these concerns by offering a cost-effective infrastructure for GenAI. Additionally, the trusted Red Hat OpenShift Container Platform provides a platform for cloud-native apps that integrates with Dell and NVIDIA hardware to help organizations start transforming business operations quickly. Our research shows that the Dell AI Factory with NVIDIA solution—either purchased upfront or transacting through Dell APEX Infrastructure—can save organizations up to 38 percent over hosting on AWS SageMaker.”

Read the report at <https://facts.pt/miHUul6> to learn more about how organizations can save money over five years with a Dell AI Factory with NVIDIA solution.

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.

Sharon Horton

Principled Technologies, Inc.

press@principledtechnologies.com

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