

# Cloudera + AMD: How a Hybrid Platform Can Help Enable Trusted Generative AI

Generative artificial intelligence (AI) is still in its infancy, but it already brings irresistible promise to help businesses serve their customers.

Organizations can use generative AI to quickly and economically sift through large volumes of their own data to help create relevant and high-quality text, audio, images and other content in response to prompts based on legions of training data. And hosted, open-source large language models (LLMs) can help organizations add enterprise data context to their outputs, producing more reliable responses while reducing false information (“hallucinations”).

## Harnessing the Power of Hybrid Cloud

Unlock the full potential of LLMs while maintaining data privacy and cost efficiency by considering hybrid cloud solutions. Here’s why:

**Public Cloud for Experimentation:** Public clouds are perfect for initial LLM experimentation, offering scalability for testing.

**Private Cloud for Cost Efficiency:** Deploying LLMs in a private cloud is a cost-effective solution for long-running deployments, saving on cloud expenses.

**Enhanced Data Security:** Private clouds ensure robust data security, shielding sensitive information from external threats and compliance issues.

**Hybrid Workflow Benefits:** A hybrid approach lets you combine the flexibility to the public cloud with the security of on-premises platforms, striking the ideal balance between experimentation and data protection.

**Real-Time Data Management:** Learn from an organization’s experience and where hybrid cloud solutions seamlessly incorporate public customer data in real-time — while safeguarding confidential information.

## Empower Your Hybrid Cloud Strategy With AMD EPYC

AMD stands as the premier choice for harnessing the potential of hybrid cloud environments. AMD has a strong portfolio of OEM and public cloud offerings, fortified by enhanced security features that help protect your sensitive data. Moreover, AMD delivers the exceptional computing power and data bandwidth critical for the smooth and efficient operation of LLMs.

## Accelerate AI Experimentation With Cloudera Machine Learning’s LLM Prototype

- Encourage experimentation and speed up AI application development within Cloudera Machine Learning with Applied ML Prototypes (AMPs).
- Deploy internal LLMs and vector databases with LLMs trained on private data sets within a secure environment for risk-free experimentation.
- Lower your TCO, keep sensitive data on-premises, maintain compliance and save the expense of long-running workloads in the cloud.

## Trusted Data: The Key to Balancing AI’s Value and Risk

**50%**  
of leaders see managing AI-related risk as a top challenge in scaling AI.<sup>1</sup>

**97%**  
of global executives agree that foundation models will enable connections across data types, revolutionizing the use of AI.<sup>2</sup>

**\$7T**  
Generative AI has the potential to raise the global GDP by 7%, or \$7 trillion, and lift productivity growth by 1.5% in the next 10 years.<sup>3</sup>

**100M**  
ChatGPT reached 100 million monthly users in January 2023, just two months after launch, making it the fastest-growing consumer app in history.<sup>4</sup>

### Resources

[How a Hybrid Platform Can Help Enable Trusted Generative AI](#)  
[Cloudera Enterprise AI](#)

[AMD AI Solutions](#)

<sup>1</sup> Deloitte AI Institute, State of AI in the Enterprise, 2022. <sup>2</sup> Accenture, Technology Vision Report, 2023. <sup>3</sup> Goldman Sachs, Intelligence, 2023. <sup>4</sup> UBS, Let’s Chat About ChatGPT, 2023.,