



Press Release

KIOXIA AiSAQ™ Technology Integrated into Milvus Vector Database

Integration with leading vector database enables ease of adoption within the open-source community and taking full advantage of SSD-optimised vector search capabilities

Germany, Düsseldorf, 17 December 2025 – [KIOXIA Europe](#) today announced that its KIOXIA AiSAQ™, which is Approximate Nearest Neighbor Search (ANNS) software technology, has been integrated into the open-source vector database Milvus beginning with version v2.6.4. With this integration, Milvus users can take full advantage of AiSAQ SSD-optimised vector search capabilities, providing developers and enterprises with a practical and cost-efficient path to scaling AI applications without facing the difficulty of scaling DRAM memory size typically associated with large-scale vector search.

“The AI industry is shifting from building massive foundation models to deploying scalable, cost-effective inference solutions that address real-world challenges. RAG (Retrieval Augmented Generation) is central to this transition, and AiSAQ technology was developed to help the community leverage SSD-based vector architectures,” explains Axel Störmann, VP & Chief Technology Officer at KIOXIA Europe GmbH. “Its integration into the Milvus ecosystem enhances ease of adoption within the open-source community and supports developers building faster, more efficient AI applications.”

First announced earlier this year, AiSAQ is an open-source software technology designed to dramatically improve vector scalability by storing all RAG-related database elements on SSDs^[1]. As DRAM scalability has become a critical bottleneck for high-volume inference and RAG workloads, AiSAQ technology provides a breakthrough by sharply reducing DRAM requirements while maintaining high-quality vector search accuracy.

With AiSAQ technology now integrated into Milvus, KIOXIA and the open-source community are enabling a new class of scalable, cost-efficient vector search solutions designed to meet the rapidly growing demands of modern AI applications.

Please follow the link to download KIOXIA AiSAQ open-source software.

<https://github.com/kioxia-jp/aisaq-diskann>

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Notes:

[1] KIOXIA AiSAQ Technology Designed to Reduce DRAM Requirements in Generative AI Systems
Released as Open Source Software

<https://www.kioxia.com/en-jp/business/news/2025/20250128-1.html>

*KIOXIA AiSAQ is a trademark of KIOXIA.

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About KIOXIA Europe GmbH

KIOXIA Europe GmbH is the European-based subsidiary of KIOXIA Corporation, a leading worldwide supplier of flash memory and solid-state drives (SSDs). From the invention of NAND flash memory to today's renowned BiCS FLASH™ 3D flash memory KIOXIA continues to pioneer innovative memory solutions and services that enrich people's lives and expand society's horizons. The company's innovative BiCS FLASH™ 3D flash memory technology is shaping the future of storage in high-density applications, including advanced smartphones, PCs, automotive systems, data centers and generative AI systems.

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