Pinecone DB:

What is Pinecone?

Pinecone – Cloud-Native Vector Database for Scalable Search

❑ Fully managed vector database as a service.

❑ Designed for real-time, low-latency semantic search.

❑ Supports billions of vectors with namespaces and metadata.

❑ Optional hybrid search: dense + sparse indexing.

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Key Features of Pinecone

❑ **Serverless & Scalable**: No infra to manage.

❑ **Real-time search**: <100ms latency at scale.

❑ **Namespaces & Metadata**: Great for multi-tenant apps.

❑ **Hybrid Search**: Combines semantic and keyword-based results.

❑ **Integrated with OpenAI, Hugging Face, LangChain**.

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Use Cases for Pinecone

❑ Production RAG systems with OpenAI/Anthropic.

❑ Semantic search in SaaS and web apps.

❑ Multi-user AI chatbots with memory.

❑ Search over enterprise knowledge bases.

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