

A faster way to bring enterprise data to generative AI

Leverage RAG to quickly launch intelligent applications

Organizations can struggle to bring enterprise data to generative AI due to the need to support new vector data requirements and deliver flows of multimodal data to foundational models.

MongoDB Atlas and Amazon Bedrock solve this problem with a fully managed, end-to-end retrieval-augmented generation (RAG) workflow.

How it works

With the click of a button, Amazon Bedrock now integrates MongoDB Atlas as a vector database into its fully-managed RAG workflow, negating the need to build custom integrations to data sources or manage data flows.

Companies using MongoDB Atlas and Amazon Bedrock can now rapidly deploy and scale generative AI applications grounded in the latest up-to-date and accurate enterprise data. For enterprises with demanding privacy requirements, this capability is also available through AWS PrivateLink.

With MongoDB and Amazon Web Services (AWS), you can build enterprise-ready applications that:

- Leverage unstructured data for valuable insights
- Deliver personalized, generative AI-powered experiences
- Provide intelligent, context-aware search and recommendation features

In collaboration with:



**Customer success:
Accelerating time to value
for CSRs in healthcare**

Novo Nordisk is a global healthcare company that pioneers scientific breakthroughs, expands access to its medicines, and works to prevent and ultimately cure disease. Novo Nordisk sought an opportunity to use generative AI to drive efficiencies in the production of clinical study reports (CSRs), which are documents that play a significant role in the development process for new medication.

Utilizing Amazon Bedrock and MongoDB Atlas, the company built NovoScribe to automate and streamline the creation of CSRs. NovoScribe compiles around 30 percent of all CSRs for Novo Nordisk, reducing the time it takes to create reports from 12 weeks to 10 minutes. With help from AWS and MongoDB, Novo Nordisk is leveraging generative AI to accelerate how quickly it can get new medicines approved and delivered to patients.

Key benefits



Streamline your generative AI stack

MongoDB Atlas combines operational data, vector data, and metadata in a single database, removing the need for a separate bolt-on vector database. This allows you to avoid copying and synchronizing data between different systems. With MongoDB and AWS, you can focus on building customer experiences instead of managing infrastructure.



Data flexibility

MongoDB's document-based architecture allows development teams to easily model relationships between application and AI-related data. MongoDB Atlas' unified API enables combining vector search with other query capabilities, such as text and geo-spatial search, for advanced filters.



Scale efficiently and optimize resources

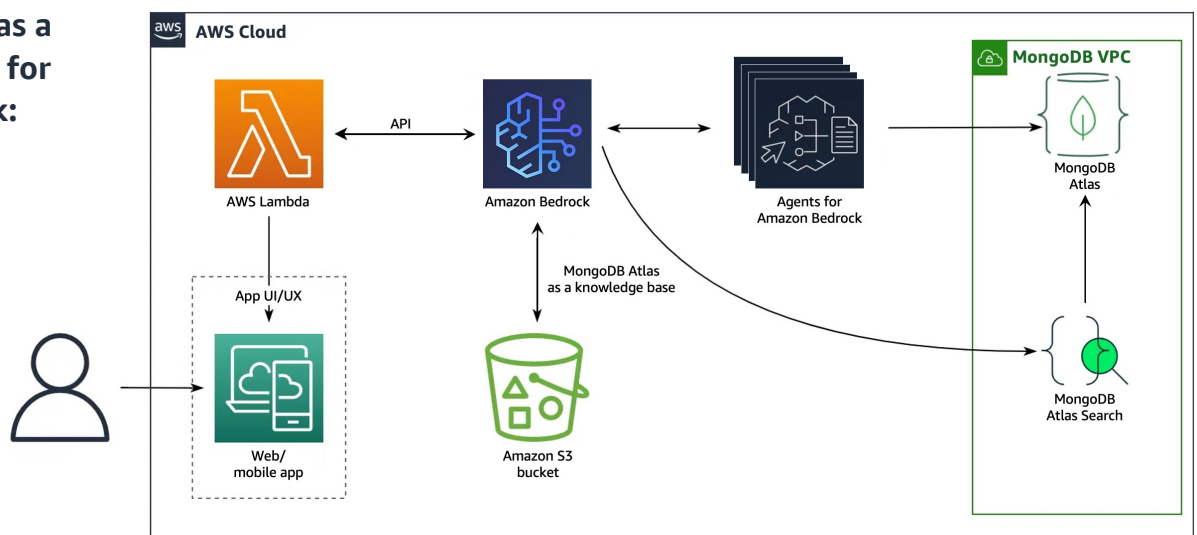
MongoDB Atlas Search Nodes on AWS allow you to set up dedicated infrastructure for Atlas Vector Search workloads. Optimize compute resources to scale search and database independently, delivering better performance and higher availability. Get up to 60 percent faster query times and optimize costs when you isolate and scale generative AI workloads using MongoDB Atlas Search Nodes.



Improve developer efficiency

Amazon Q is trained on thousands of lines of MongoDB query code. Junior developers can use suggestions from the coding assistant to accelerate software development. Using Amazon Q, senior developers can concentrate on refinement and performance instead of boilerplate and mundane code.

MongoDB Atlas as a knowledge base for Amazon Bedrock:



Generative AI on AWS

Start generating innovation with these performant, cost-effective, and easy-to-use tools purpose-built for generative AI.



Amazon Bedrock

The easiest way to build and scale generative AI applications with foundation models.



Amazon SageMaker

Build, train, and deploy machine learning models at scale.



Amazon SageMaker JumpStart

Deploy prebuilt machine learning solutions in just a few clicks.



Amazon Q

A generative AI-powered assistant for accelerating software development and leveraging companies' internal data.

[Learn more >](#)

Seamlessly bring enterprise data to generative AI applications.
[Get started for free](#) with MongoDB Atlas in AWS Marketplace.

About MongoDB

MongoDB's developer data platform integrates all of the data services you need to build intelligent applications in a unified developer experience on AWS. It handles transactional workloads, app-driven analytics, full-text search, vectorized data, stream data processing, and more, all while reducing data infrastructure sprawl and complexity.