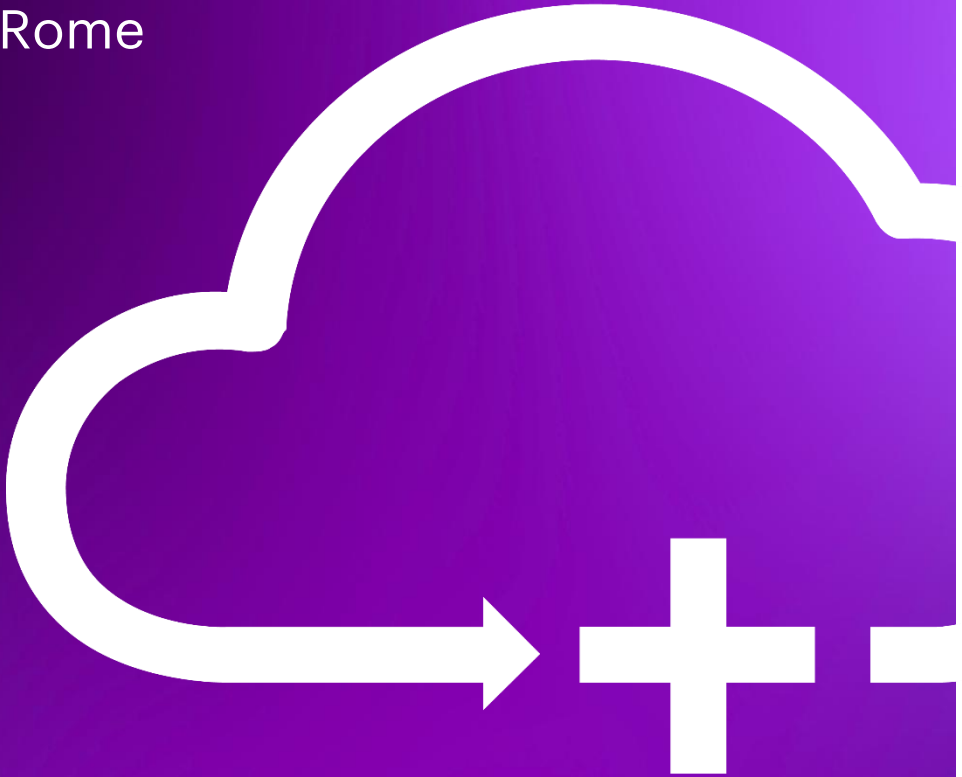


# Accenture & MongoDB

Accenture  
Cloud  
Innovation  
Rome

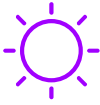


# Accenture Cloud Innovation Center

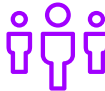
Pushing custom cloud solutions to the max.

Cloud delivers undeniable benefits – agility, rapid innovation and lower IT costs. The Accenture Cloud Innovation Center harnesses the full potential of Cloud to custom build latest generation solutions for our clients. We can give our clients access to a catalog of tested real cases to imagine, test and implement leading edge cloud services that can help take your business into tomorrow.

**Now.**



## Accenture Cloud Innovation Center Rome



ACIC Rome brings together Accenture's deep technical know-how and industry expertise to help companies deploy cloud to transform their journey to cloud. At a time when innovation is racing ahead, Accenture is broadening its collaboration with leading cloud solution vendors to have instant access

to the level of specialist services that can help meet our clients' specific business objectives. At ACIC Rome, **we bring together** not only the major technology vendors but **the best offerings** from emerging providers in step with market evolutions. Our clients benefit from the very latest real and tested solutions.

# About MongoDB

Headquartered in New York, MongoDB's mission is to empower innovators to create, transform, and disrupt industries with software. MongoDB's unified database platform was built to power the next generation of applications, and MongoDB is the most widely available, globally distributed database on the market.

MongoDB integrates capabilities for **operational data, search, real-time analytics,** and **AI-powered data retrieval.**

It helps organizations move faster, innovate more efficiently, and simplify complex architectures.

Millions of developers and over **50,000 customers** across almost every industry rely on MongoDB.

**70%** of the **Fortune 100** use MongoDB for their most important applications.

# MongoDB Atlas

## the best way to run

# MongoDB in the Cloud

MongoDB Atlas is a modern, cloud-native database that gives you the versatility you need to build a wide variety of applications — from fast transactional systems to AI-powered experiences. Power transactional processing, relevance-based and vector search, in-app analytics, and more through an elegant and integrated data architecture. Atlas provides a first-class experience through a flexible document data model and unified query interface, while meeting the most demanding requirements for resilience, scale, performance, and data privacy.

### Document Model & Query API



OLTP



Time  
Series



Full-Text  
Search



Real-Time  
Analytics



Stream  
Processing



Vector  
Search

Your Data

**Performance • Resilience • Scalability • Security**

**Global • Multi-Cloud • On Premises**

# The Partnership with MongoDB

ACIC and MongoDB have partnered to support the development of intelligent solutions that anticipate user needs and streamline operational processes through advanced AI technologies

01



02



03



04



# ACIC Use Case Catalog

**Intelligent Edge**

**Application  
Modernization**

**Infrastructure  
Engineering**

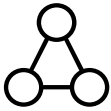
**Data Engineering &  
Applied AI/ML**



# Data Engineering & Applied AI/ML

Semantic search powered by  
MongoDB Atlas





## Context and client challenges

- With the advent of AI, optimizing semantic search has become crucial to ensure more accurate and relevant results, enabling businesses to fully leverage their data and enhance the user experience. The way we search for and retrieve information has profoundly changed. It is essential to understand the user's intent by interpreting the contextual meaning of search terms, rather than relying solely on literal keyword matches, to provide more precise and effective answer.



## New approach and solution

- To optimize our semantic search solution we leveraged a vectorDB based on MongoDB Atlas technology.
- With MongoDB Atlas not only we can ensure our customers the expected performance and scalability but, most importantly, we can guarantee the use of a solution compliant with the current leading security and data protection standards. But not only security.
- Only metadata and vector embeddings of documents and images are stored within MongoDB Atlas, while the physical files are archived in object storage to reduce costs and prevent an excessive data volume in the database.



## Client benefits

- **Efficiency:** Reduction of the time required to analyze large volumes of data.
- **Precision:** Guaranteeing better performance, allow to focus on improvement of semantic search and delivery of better results to users
- **Better understanding:** solution will support users facilitating the comprehension of relationships within the provided data
- **Scalability:** solution ready to scale in cloud, on-prem or hybrid scenarios.

## Contacts

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Ostiense 92, Roma

## Learn more

Find out about Accenture Cloud  
Innovation Center of Rome

[www.accenture.com/acicrome](http://www.accenture.com/acicrome)

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## About Accenture

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organizations build their digital core, optimize their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent- and innovation-led company with approximately 801,000 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology and leadership in cloud, data and AI with unmatched industry experience, functional expertise and global delivery capability. Our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Song, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients reinvent and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities.

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