



Banco Bmg Reduces **API Management Time by 80%** with Sensedia's Solution

Institution Invests in Modernization to Transform Digital Infrastructure

In an increasingly innovation-driven landscape, companies across industries face the challenge of integrating technologies to achieve greater agility in their processes.

Banco Bmg, one of Brazil's leading financial institutions, recognized modernization as a strategic opportunity to stay ahead of the technology curve and deliver innovative experiences aligned with customer expectations.






Partnering with Sensedia, an API management and Integrations leader, has given the institution a robust, flexible platform that streamlines infrastructure migration and accelerates digital transformation, delivering impressive results.



The Need for Modernization

Before partnering with Sensedia, Banco Bmg faced several digital challenges related to integration. With APIs published on a less modern gateway, the bank encountered difficulties in creating new integrations and applying updates efficiently.

The on-premises solution also presented key limitations, such as:

-  Limited flexibility to support new business models and integrations
-  High latency in operations, negatively affecting consumer experience
-  Scalability issues that hindered the bank's growth
-  Operational bottlenecks due to the complexity of integration management
-  High maintenance costs associated with the legacy infrastructure

With the growing volume of transactions and rising digital demands, the need for a more modern and scalable API management platform became clear.

“We’re seeing significant growth in our client base and, consequently, greater operational complexity. Modernizing our technology infrastructure has become essential—it enables us to scale securely and effectively meet market demands,” says Everton Queiroz, IT Superintendent at Banco Bmg.





Results and Benefits for Banco Bmg

By modernizing its API infrastructure, Banco Bmg achieved significant results:

- **87% reduction in mobile app login time**, improving the customer experience.
- **80% reduction** in the time required to create and manage new APIs
- **API response times consistently under 100ms**
- **Capacity to handle over 2 billion** requests per month
- **Enhanced API security and monitoring** through interceptors and middleware

“The new architecture has delivered real gains in availability and efficiency—both essential for our growth and customer satisfaction. This evolution was a key step toward the future, enabling us to advance in API orchestration, revenue predictability, and the expansion of our partners’ digital journey,” says Jadson, IT Manager at Banco Bmg.

Looking ahead, Banco Bmg is focused on:

- Expanding its portfolio of financial products
- Investing in emerging technologies for Open Finance
- Scaling its Developer Portal to support new integrations
- Continuously improving security and regulatory compliance

The Migration Process

With a structured framework for API gateway modernization, Sensedia ensured a smooth and secure transition from the previous solution to its API management platform. The process is divided into five key phases:

1

Assessment: mapping existing APIs, identifying dependencies, and defining the migration strategy.

2

Planning: developing a migration roadmap using a lift-and-shift approach to ensure operational continuity.

3

Execution: Implementing the new infrastructure and gradually migrating APIs onto Sensedia's API Management platform.

4

Validation & Monitoring: conducting rigorous testing to ensure stability and performance.

5

Go-live & Optimization: launching the production environment, followed by continuous monitoring and performance tuning.

Working collaboratively, Sensedia and Banco Bmg embarked on a year-long, hands-on journey. The process involved numerous meetings, strategic adjustments, and challenges along the way



We manage around 300 APIs and over 1,600 operations, with numerous applications depending on these integrations. This made the API gateway modernization a highly critical process—one that required precision and care. Therefore, transitioning gateways had to be executed meticulously,” explains Jadson, the bank’s IT Manager.



Conclusion

The partnership between Sensedia and Banco Bmg demonstrates how modernizing API infrastructure can transform a complex operational environment into a solid foundation for sustainable growth.

The migration to a new API gateway not only improved performance and security, but also enabled greater agility in innovation and digital expansion.

The transition was strategically planned and carefully executed, ensuring a smooth and secure migration without disrupting the bank's core operations.

By choosing a comprehensive and robust API management solution, Banco Bmg now operates on an infrastructure that supports continuous innovation, accelerates business growth, and facilitates faster responses to market changes, enabling efficient implementation of new digital strategies.



The result was a complete and successful modernization of the integrations and all their dependencies, minimizing operational impact and ensuring zero disruption to the bank's operations."



Fernanda Vasconcelos

IT Manager for the Finance and Energy sectors at Sensedia

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