NTT DATA

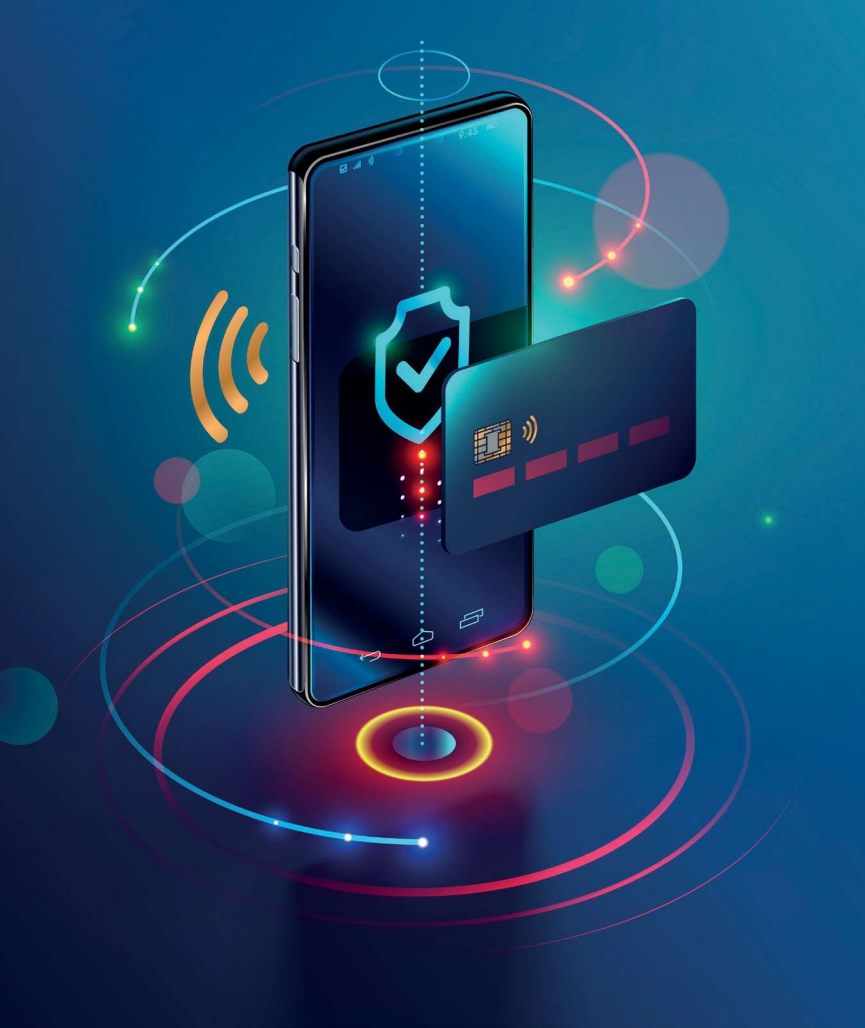# Modernization of applications in the insurance sector

When the joint venture was formalised, in 2008, Sabadell Seguros y Pensiones took the strategic decision to build on the technological platforms of both forming entities in the management of operational matters and for giving service to their clients. Their wager has proved costly and inflexible.

B Sabadell
Seguros y pensiones

Sabadell Seguros y Pensiones, an alliance set to lead the bancassurance sector

Sabadell Seguros y Pensiones (internal distinctive used to name the joint venture formed by the following three legal entities: BANSABADELL VIDA, S.A, BANSABADELL SEGUROS GENERALES and S.A. DE SEGUROS Y REASEGUROS, BANSABADELL PENSIONES E.G.F.P., S.A.) born in 2008 as a result of the agreement between Banco Sabadell and the Zurich Seguros group for the management of the bancassurance business, and now is among the 10 main insurers in the Spanish market, with over 6% of the market share and a million and a half clients.

The initial challenge for NTT DATA was to develop a cloud architecture for deploying Sabadell Seguros y Pensiones new digital applications' offer in an agile and autonomous way:

Availability of a technological infrastructure in the cloud with their own data processing centre

Creation of their own autonomous IT team for developing and implementing the applications in the cloud
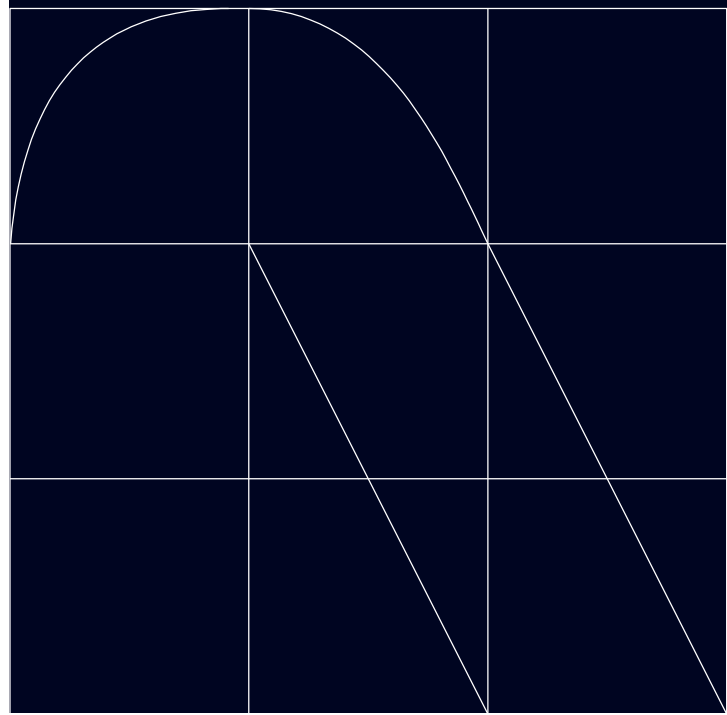
Improvement of time-to-market for digital applications

Offer total transparency as regards costs and payment for consumption

Great scalability of digital applications

THE CHALLENGE
Developing a global platform for launching digital applications

As part of the joint venture's digital transformation, the client in 2020 required a new business platform to disengage from legacy systems inherited at inception, which were proving to be costly and unwieldy.

In this context, Sabadell Seguros y Pensiones identified the need for implementing a new web application architecture and an IT platform that used Amazon Web Services' public cloud (AWS) in order to increase agility, reduce costs and accelerate innovation.

THE SOLUTION

AWS' technology for modernizing applications

The response was the implementation of Amazon Web Services' technology for launching a **global, scalable and agile platform.**

AWS' cloud platform is the world's most widely used and complete, and it offers more than 200 comprehensive date centre services at the global scale. Millions of clients, including emerging firms with rapid growths, major companies and leading governmental organisations, are using AWS for **reducing costs, enhancing agility and innovating** at a faster pace.

NTT DATA has become the partner for Sabadell Seguros y Pensiones, combining its know-how of the insurance business and the participant entities in the alliance, with its expert knowledge of the AWS platform. In short, the challenge consisted in creating a cloud architecture from scratch released in about 14 months with all the underlying infraestructure.

The new platform, going with the name Olimpo, was implemented with the aims of **maximising value delivery** to the **business and reducing time**-to-market for further developments, based on the use of some AWS important services like **Amazon EKS** – a managed Kubernetes service to run containers – and **Amazon RDS** – a managed service that facilitates the setup, operations and scalation of relational databases –, the standardization of architecture frameworks and technologies for the frontend and backend layers, and the empowerment of cross services such as **automation, security and observability.**

The solution had to provide the following capabilities:

Develop a software architecture platform to provide common execution-time (front-end and back-end) components and services, and the required technical features for creating the planned commercial web applications.

Create the right development tools to provide application's life-cycle management and DevOps automation processes (build, test, implement, monitor and operate) within the platform by following GitOps methodology.

The cloud has revolutionised how technological solutions are developed and generate business value. The cloud has allowed Sabadell Seguros y Pensiones to have their own development framework and infrastructure for launching digital applications in an agile and autonomous way.

NTT DATA has a wide experience in the AWS environment and application architecture, and expert

RESULTS AND BENEFITS

After implementing the AWS platform, the following benefits were identified by NTT DATA:

•Up to 10 digital applications were deployed **in 2 years** and 50 auxiliary architecture services were created to support them.

•Strengthen and make independent the IT equipment both for the development of applications and in their evolution in the cloud.

•Deployment automation in the cloud infrastructure.

•Control and viewing of the use of the platform and applications.

•Applications' usability improvement for the internal and external client.

•Improvement of applications' time-to-market thanks to the agility in developments.
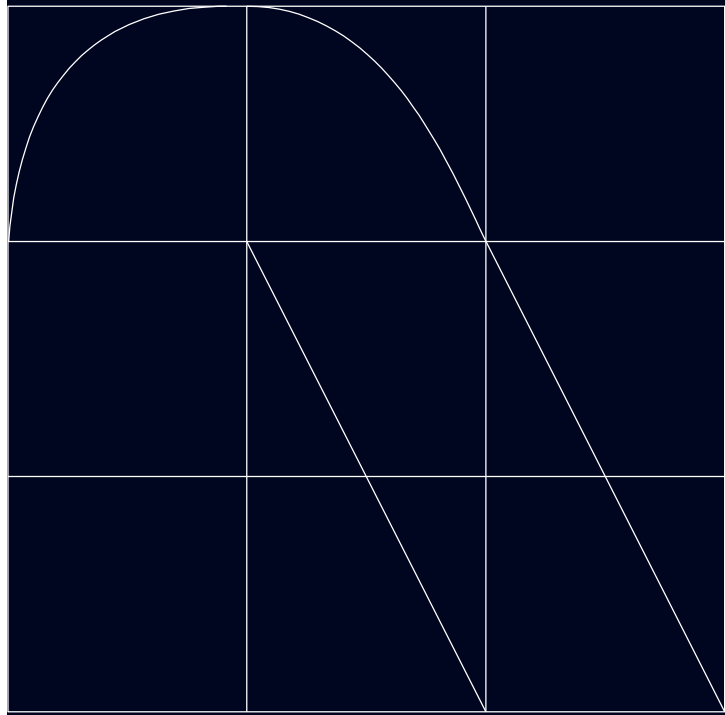
WHY NTT DATA?

NTT DATA is an AWS advanced consulting partner and has the competence of managed services provider (MSP). With a solid association built since 2010, NTT DATA has the capacity to provide a End2End value proposal to its clients: assessment of cloud migration, migration of applications, and operation and management of the AWS cloud infrastructure. Also, NTT DATA has developed intellectual property and various products in the AWS cloud. As of year 2022, NTT DATA counts with more than 550 engineers certified in AWS technologies.

NTT DATA, part of Group NTT, is a global innovative company of IT business services headquartered in Tokyo. The company has more than 140,000 professionals, helping its clients in the transformation process through consulting, industrial solutions, commercial process services, digital and IT modernisation, and managed services.

NTT DATA helps clients, and society at large, to advance confidently towards the digital future. The company has shown its commitment to the long-term success of its clients by combining global reach with local focus to work with them in over 50 countries around the world.

For more information

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