

Client Success Story

Large EU Bank

EU bank innovates with AWS-based payment-as-a-service platform

A large Netherlands-based bank creates a secure platform on AWS Cloud to deliver payment-as-a-service capabilities, uncovering new revenue opportunities.

Customer Challenge

As incumbent banks steadily lost ground to challenger banks offering better customer interactions, more appealing brands and lower cost products, one well-known Dutch bank decided to face these newcomers head on. Although it lacked a secure payment solution the bank wanted to provide the same trustworthy, complete and integrated experiences that retail customers had already grown to expect from mobile-first challengers. Any solution the bank adopted would be greenfield and require an elastic infrastructure to address demand and growth while complying with European Banking Authority, Payments Service Directive 2, and other banking regulations and requirements.

AWS + Cognizant Solution

After careful planning, evaluation and assessments, Cognizant advised on and helped the bank deliver a secure payment-as-a-service platform built on Amazon Web Services (AWS). Along with the in-depth defense, foundation security and SIEM monitoring applied early in the AWS cloud-native-first platform build, we implemented advanced security during the delivery stage and leveraged DevSecOps and continuous improvement while operationalizing and managing the platform.

This approach created a resilient, scalable infrastructure with comprehensive quality assurance and zero disruption to the bank's existing business. It also delivered new features through third-party collaborations and an-out-of-the-box installation of world-leading Temenos banking software. A staggered go-live approach reduced risk during delivery, as did early warnings and automation from a CI/CD toolset.

To address banking industry standards, Cognizant and the bank aligned design principles with a consolidated control framework to direct the pairing of appropriate technical domains with AWS tools or off-the-shelf software. These included control considerations for hosts, endpoints, data security, application security, access management, and log and monitoring management.

Architectural Attributes

The overall platform architecture included more than 40 AWS services from nine categories, including security identity and compliance, storage, network and content delivery, management and governance, developer tools, application integration, compute, database and cost management.

Outcomes

Following its implementation of the secure payment-as-a-service platform on AWS, the bank achieved a strong payments proposition characterized by rapid deployment, elasticity and scalability, as well as intelligent automation—all built on a secure, low-maintenance platform.

About Cognizant

Cognizant (Nasdaq-100: CTSH) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 185 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us [@Cognizant](https://twitter.com/Cognizant).

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