

Client Success Story

Large financial enterprise

Leading lender in India builds secure AWS cloud-native lending platform

Building a secure AWS cloud-native lending platform helps a leading non-banking SME and commercial lender achieve more efficient lending cycles.

Customer Challenge

India's largest non-banking financial enterprise wanted to launch a direct-to-consumer digital business unit to acquire and service customers across the lending cycle. To offer a variety of online and on-demand financial services, including personal and home loans, investments and insurance, the lender would need a secure, highly available self-service platform, integrated with government and private service providers. As an entirely new venture, the ideal platform would apply real-time customer analytics and help the lender launch new product offers quickly, so it would not run the risk of losing new revenue opportunities.

AWS + Cognizant Solution

To address the business requirements and demands for faster time to market, Cognizant leveraged its partnership with Amazon Web Services (AWS) to design and implement a digital lending platform. Built on modernized AWS-native services, with more than 120 microservices running in production, the platform includes AWS ECS, three RDS databases (Oracle, MySQL and Postgres), Dynamo DB, Amazon Elastic Cache and more than 20 serverless AWS Lambda functions.

Cognizant designed the platform from the ground up to meet industry security standards, using AWS Config and Inspector to assess and audit AWS resource configurations against relevant standards. AWS Squid proxy functions as a caching and forwarding HTTP web proxy to aid traffic filtering. GuardDuty continuously monitors AWS accounts and workloads for malicious activity.

Secure access was a significant challenge, with more than 600 private and public endpoints requiring access. In addition to using Direct Connect and VPN for highly available access to on-premise, cloud and external services, Cognizant implemented AWS Reverse Proxy to handle specific requests from users to be forwarded to web hosts. AWS ECS services integrated into the platform via serverless Lambda functions create a secure, autonomous containerized operation.

Cognizant implemented AWS CloudTrail to support governance, compliance, operational and risk auditing capabilities for the AWS services. It monitors activities within the management console and CLI, and across SDKs and APIs.

Outcomes

Deploying this highly available, secure cloud-native lending platform helped the lender reduce the overall end-to-end lending process cycle from three days to 30 minutes. Application performance monitoring and accelerated development lifecycles ensure the lender can maintain 100% availability of its intelligent, scalable systems—even during high demand seasonal events.

About the Partner

Cognizant (Nasdaq-100: CTSI) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. We engineer modern businesses to improve everyday life. Our unique industry-based, consultative approach helps clients transform technology, reimagine processes and transform experiences, ensuring businesses remain agile, relevant and ready to run more innovative and efficient enterprises.

With AWS as our partner, we focus on the outcomes that matter most to businesses and underpin our solutions with deep industry experience and market-leading IP. Cognizant's more than 6000 AWS-certified professionals, dedicated AWS-certified consultants in 43 countries, hundreds of customer launches and successes, and more than 70 transformational blueprints help drive innovation beyond cloud migration.

As a premier consulting partner, Cognizant holds numerous AWS competencies, including AWS Mainframe Migration, AWS SAP, AWS Migration, AWS Financial Services, AWS Healthcare and AWS Life Sciences. Partner programs include AWS Well Architected, AWS Managed Service Provider, AWS Marketplace Seller, AWS Solution Provider Program and AWS Public Sector Solution Provider.

About Cognizant

Cognizant (Nasdaq-100: CTSI) 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.

Cognizant

World Headquarters

500 Frank W. Burr Blvd.
Teaneck, NJ 07666 USA
Phone: +1 201 801 0233
Fax: +1 201 801 0243
Toll Free: +1 888 937 3277

European Headquarters

1 Kingdom Street
Paddington Central
London W2 6BD England
Phone: +44 (0) 20 7297 7600
Fax: +44 (0) 20 7121 0102

India Operations Headquarters

#5/535 Old Mahabalipuram Road
Okkiyam Pettai, Thoraiyakkam
Chennai, 600 096 India
Phone: +91 (0) 44 4209 6000
Fax: +91 (0) 44 4209 6060

APAC Headquarters

1 Changi Business Park Crescent,
Plaza 8@CBP # 07-04/05/06,
Tower A, Singapore 486025
Phone: + 65 6812 4051
Fax: + 65 6324 4051