

An Acclaimed Public Sector Bank is Releasing Apps in Minutes with Amazon ECS

Our customer

Our customer is one of the biggest public sector banks with more than 600 branches. This bank caters to crores of individuals with services, including loans, saving schemes, fixed & recurring deposits, credit cards, and more. The bank has a vast network of partner banks to deliver joint services to all.



Call for change

The public bank found it challenging to release apps faster and manually manage the IT infrastructure. Because of legacy infrastructure, it took a lot of time to do all app development-related tasks. The whole infrastructure was slogging, and it needed a quick fix asap!

Following are the primary issues our customer was facing:

Long Software Development Cycle

The centralized bank took a lot of time to release apps because of the long and manual software development cycle. Besides, it was challenging to maintain the quality of the apps due to the low coordination between the development and operation teams. Along with this, the siloed team was also a significant issue in releasing the apps faster.

Manual IT Infrastructure

The centralized bank had a manual IT infrastructure. It was a full-time job for them to curate systems and ensure smooth workflows and stable functions. That was a more time-consuming and ultimately more expensive solution. Because it was manual, there were chances of error. Without an IaC practice in place, it becomes increasingly difficult to manage the scale of their infrastructure.

Our Solutions

The public bank approached us to fix the issues with our AWS and DevOps expertise. Our team consulted the IT team of the bank and crafted a strategy to automate the infrastructure. As a part of this project, we are providing the following solutions:

CI/CD Deployment

Because the bank is growing in data volumes and expanding its cross-channel presence, they need a rapid rate of digitization. Hence, we are implementing CI/CD pipelines so that they can make faster deployments with increased reliability. We are also helping them determine whether the code is production-ready or not to migrate to the delivery pipeline to have secure, low-latency data exchanges.

Increasing Technical Debt

Because the team chose the easy and fast way to code, they somehow missed the proper coding guidelines and ended up using an outdated, harder-to-maintain coding pattern. With increasing technical debt, the bank was missing innovation and agility. They needed ultramodern cloud capabilities to retain both customers and talent.

Infrastructure-as-Code with Terraform

Our team uses Terraform to assist them in managing, developing, and versioning their infrastructure. Implementing infrastructure as code is helping them reduce cost and errors while improving the speed of deployment and infrastructure consistency. We are also helping them solve their configuration drift.

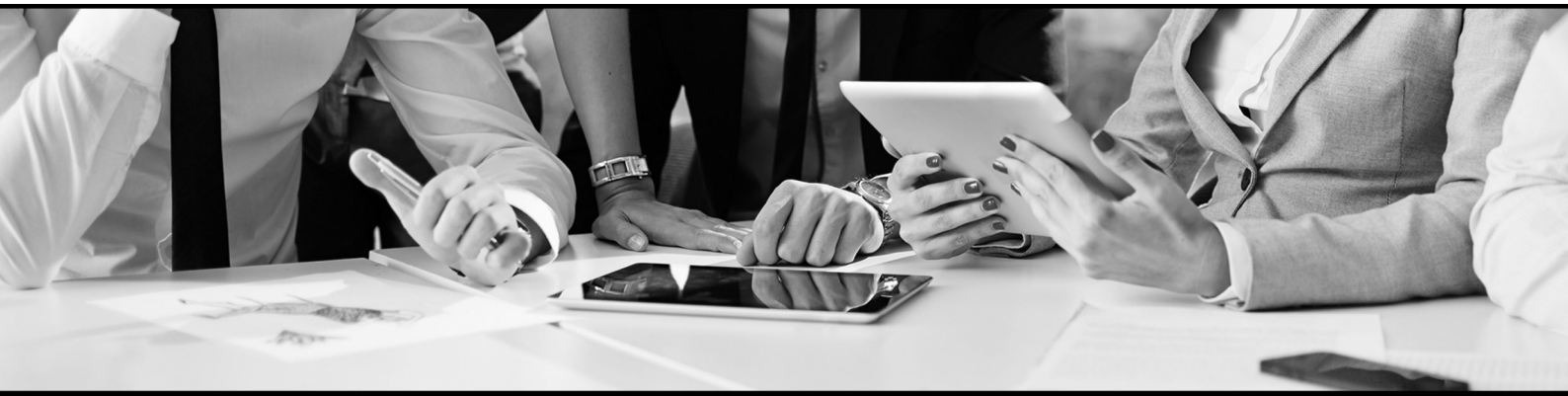
App Containerization

We are helping the public sector bank deploy and run distributed applications without launching an entire virtual machine for each app. Our solution based on containerization is helping them gain scalability with enhanced security. We are using ECS provided by AWS to manage containers and allow developers to run applications in the Cloud without configuring an environment for the code to run. Our approach is not just to help them cut the cost but also to help them gain quick results by faster time to market.

Technology Stack



- Terraform
- GitHub
- ECR
- ECS



**BOOK A MEETING WITH
OUR ARCHITECT**



ABOUT AAIC

We are automation experts, with a majority(> 60%) of our workforce AWS-certified. We assist you in applying intelligence to the Cloud and DevOps, as our name suggests.

Our AWS certified experts create high-performing cloud apps by utilizing intelligent components and smart integrations to accelerate your digital transformation journey.

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