**CitiusTech** | Success Story

HEALTHCARE
LIMITLESS

Digital Transformation of Concept on AWS

Client Requirements

- IMO was looking to control high infrastructure and licensing costs, reduce manual intervention in backup management while ensuring high availability as their business scaled.
- 3rd Party Database license was due for renewal. They decided to migrate their existing on-premise infrastructure and 3rd party licensed database serving ~40 applications setup accounts and security process and methodologies and then implemented AWS services to achieve a customized account security baseline for their organization.

Solution Schematic
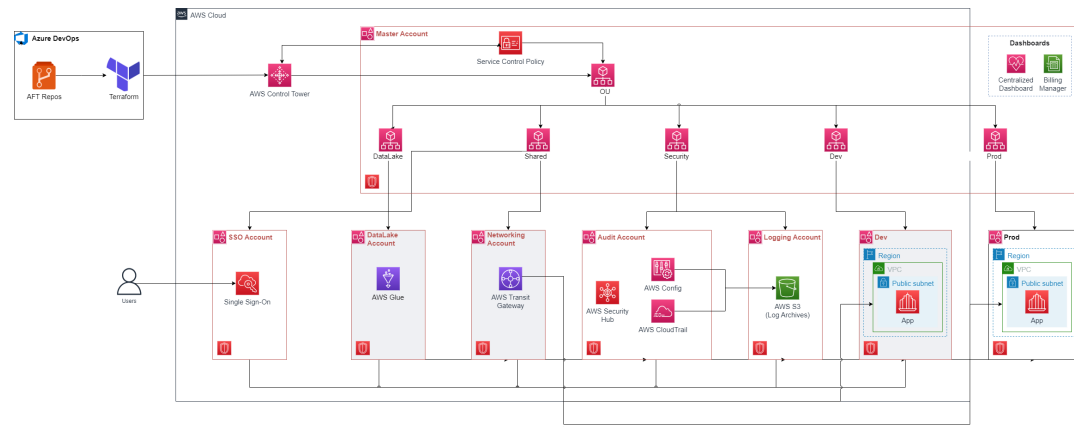
CitiusTech Solution

- The entire migration of Application from on-premise to AWS was done without any customer impact.
- The database migration was completed leveraging the Re-platform cloud migration strategy. The on-premise 3rd party licensed database was migrated from 3rd party cloud to Aurora PostgreSQL 11 on AWS Cloud.
- The application code for Application was deployed on AWS EC2 Windows instances using Lift and Shift migration Strategy.
- Maintenance activities such as database backups, patching upgrades to database and application servers were automated after migration to AWS.
- AWS Security Hub, CloudTrail, AWS Inspector. AWS GuardDuty & AWS Config were enabled as per AWS security practices for IMO Cloud Foundation project.
- Leveraged terraform for IaC, deployment of the template in a customer environment.

Value Delivered

- Implemented a **Scalable** platform on top of **AWS Cloud** to enable Client's BI journey.
- **Eliminated manual efforts & associated human errors** in building MA market PBP BI reports.
- Cloud based Data Repository & Reporting enabled enhanced **Data Analysis** & **Collaboration.**
- The **availability** of the application increased by ~50% and increased observability was achieved.
- The licensing cost that incurred due to the use of 3rd party licensed database reduced significantly (~70%) post migration to Aurora PostgreSQL.