



Case Study

Enabling Push-Button CI/ CD Deployment on AWS



EXECUTIVE SUMMARY

Capital Float implemented a seamless CI/CD pipeline on AWS, improving deployment speed, automation, and scalability for its 50+ applications and 100+ microservices.



Needed a fully automated deployment pipeline, seamless load balancing, and auto-scaling integration to handle continuous releases.



Implemented a blue-green deployment strategy, automated the pipeline using AWS CodeDeploy & CI/CD tools, and integrated SNS notifications & CloudWatch monitoring.

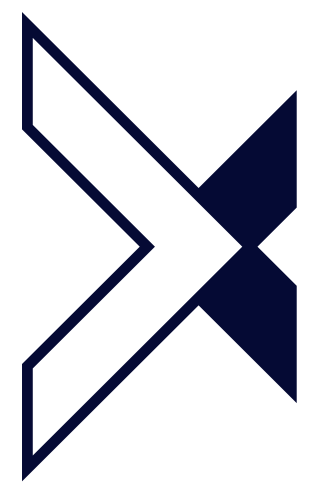


Enabled zero-downtime deployments, improved release quality, and accelerated the rollout of 100+ releases per quarter.

ABOUT CAPITAL FLOAT



Capital Float (Now known as Axio) is a consumer finance company that brings together pay-later services, credit, and personal finance management into one seamless brand experience. Axio harnesses technology to offer innovative financial solutions to millions across India—especially to those traditionally underserved by the financial system.



THE CHALLENGE

Capital Float required an automated CI/CD pipeline for frequent deployments, auto-scaling, and downtime-free releases.

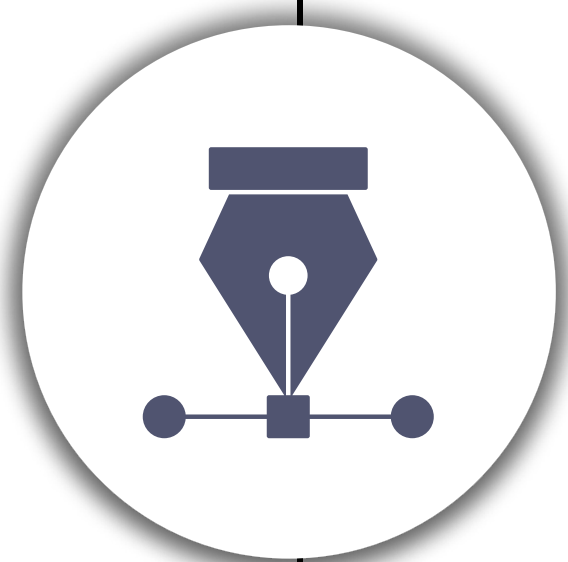
- Required push-button deployment to automate releases with minimal manual intervention.
- Needed a highly available deployment strategy to eliminate downtime during updates.
- Ensuring seamless traffic flow and load balancing across auto-scaled environments.
- Automating the pipeline while maintaining security and compliance in a production environment.

THE SOLUTION



ASSESSMENT

Evaluated Capital Float’s applications and SLAs to define a deployment pipeline suitable for an auto-scaled production environment.



SOLUTION DESIGN

Architected a blue-green deployment strategy within a Virtual Private Cloud (VPC), using multi-AZ setups, private subnets, and custom routing for security.



IMPLEMENTATION

Configured AWS CodeDeploy for automated deployments, integrated AWS CI/CD tools, and optimized the auto-scaling group to support rolling deployments.

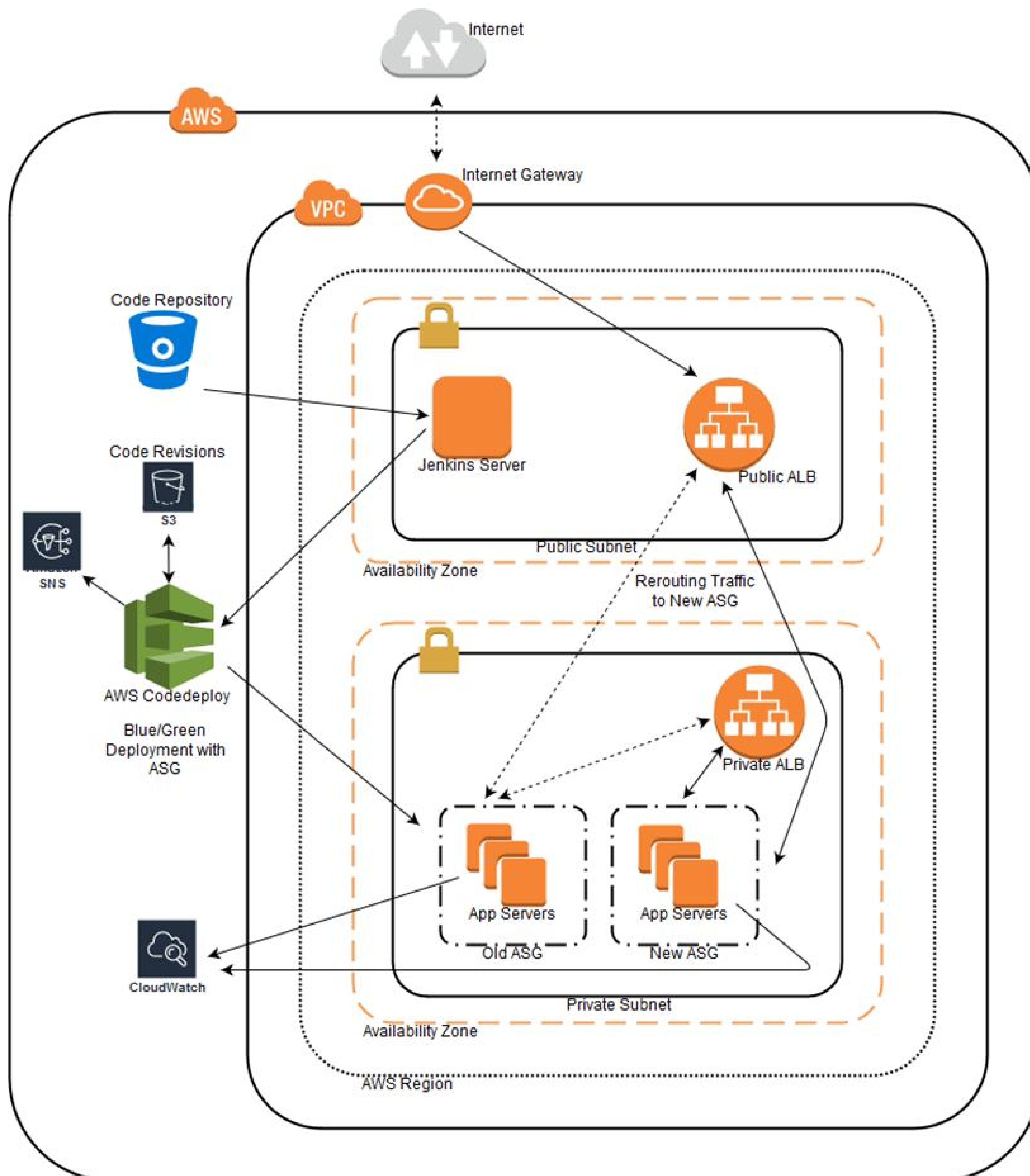


MONITORING & OPTIMIZATION

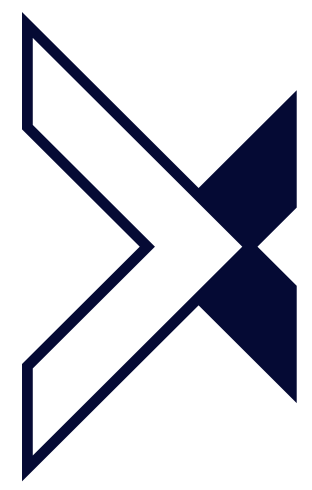
Enabled SNS notifications for real-time deployment tracking, leveraged AWS CloudWatch for logging & alarms, and fine-tuned deployment scripts for faster, error-free rollouts.

Access.io implemented a blue-green deployment strategy using AWS CodeDeploy, Auto-Scaling, & Load Balancers for seamless rollouts. Integrated CloudWatch & SNS notifications for real-time monitoring, improving deployment speed and reliability.

AWS ARCHITECTURE



- AWS CodeDeploy & CI/CD pipeline for fully automated application releases.
- Blue-Green Deployment Strategy to enable zero-downtime rollouts.
- Multi-AZ VPC architecture for high availability and secure traffic flow.
- AWS CloudWatch & SNS notifications for real-time monitoring and alerts.



THE BENEFITS



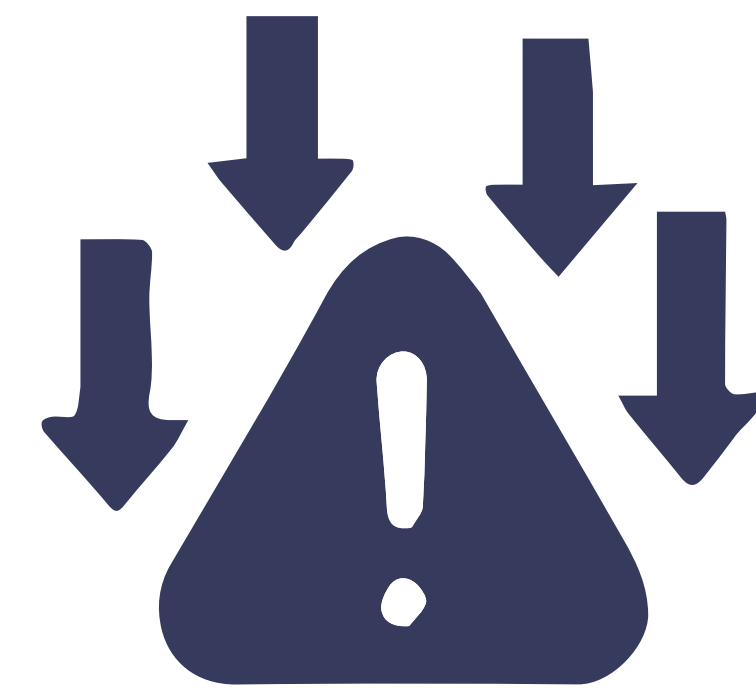
Scalable & Automated Rollouts

The CI/CD pipeline now supports 100+ releases per quarter, accelerating development cycles.



Enhanced Security & Monitoring

CloudWatch and SNS notifications provide real-time insights, ensuring proactive issue resolution.



Zero Downtime Deployment

The blue-green deployment strategy ensured seamless releases without impacting live applications.

About Axxess.io

We offer Cloud Transformation, DevOps and SRE Automation, and 24 X 7 Manage Services to improve the agility and velocity of your business. We are a cloud native services company with clients in multiple geographies and industries We specialize in cloud transformation, DevOps automation, managed services and cloud native application development. With offices in USA and India, we empower organizations to transform and secure their IT infrastructure, scale up their operations, and manage customer workloads. from our ISO 27000-certified Global Network Operations Centers (GNOC).



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