



CASE STUDY

Sassymonk Infra Modernization on AWS ECS

SassyMonks improved application scalability by migrating to AWS ECS



EXECUTIVE SUMMARY

SassyMonks provides IT-related services and digital solutions to organizations in a wide range of industries. This growing firm needed a partner to migrate their infrastructure to a flexible, scalable, and cost-effective cloud. Those chose Access.io and Amazon Web Services (AWS).

Access.io worked with SassyMonks to migrate their compute, databases, applications and DNS to the AWS Cloud. We also did all the planning, created a technical design, suggested the most appropriate migration strategy (refactor/re-architect), and provided cutover and post-go-live support.

ABOUT SASSYMONKS

SassyMonks is a well-known player in the IT and digital services space. Their offerings include software development, web development, mobile app development, and UI/UX design. The company's in-house product FleetOrder POS is a restaurant management software. It supports F&B businesses with its advanced features for billing, kitchen order ticketing (KOT), contactless dining, and reporting.

ABOUT ACCESS.IO

Access.io is a cloud services company specializing in cloud transformation, DevOps automation, managed services, and cloud-native application development. Organizations in multiple geographies and industries rely on Access.io to transform their IT infrastructure, manage customer workloads, and secure their business-critical data in the cloud.

THE CHALLENGE

SassyMonks were unfamiliar with the AWS Cloud and its huge service ecosystem. They realized that the only way to overcome these hurdles and achieve their migration goals was to bring in external cloud migration experts. Some other challenges faced by them were:

- ✓ Resources were publicly exposed and had security concerns
- ✓ Existing infrastructure was not able to scale seamlessly
- ✓ DDoS attack in their existing infrastructure causing their whole infra to collapse, as a result their site went down



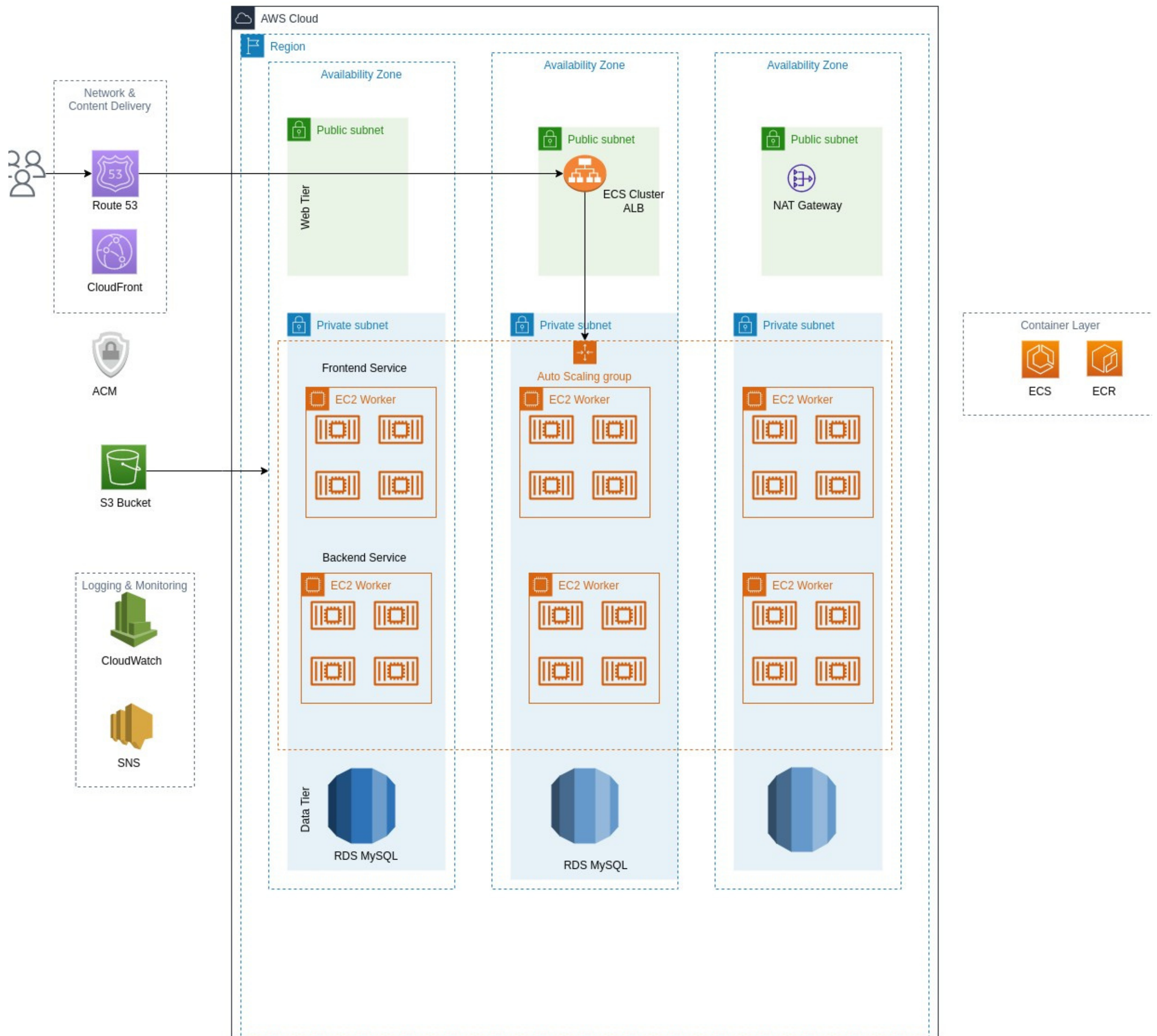
Other requirements were:

- ✓ To configure a virtual network with resource isolation in public, private and data subnets
- ✓ To set up a well-architected AWS production environment to operate secure, cost-effective, and sustainable workload
- ✓ To protect against DDOS attack.

OUR SOLUTION

- ✓ Deployed prod environment resources via IaC under completely independent VPCs Incorporating AWS-approved security best practices.
- ✓ Deployed an Application Load Balancer (ALB) to seamlessly distribute web traffic across an auto-scaling group placed ECS containers in multiple AZs
- ✓ Auto-scaling group at ECS cluster level was provisioned for seamless scale-in and scale-out of container services
- ✓ Provisioned WAF to protect their infrastructure against the DDOS Attack
- ✓ Set up infra monitoring and alerting mechanism using CloudWatch

AWS ARCHITECTURE



BENEFITS



Accelerated deployment speed by 70%



Significant Cost Savings - Reduced IT costs by 50%



Security against DDOS attack