

Service Delivery Program – Windows

About Customer:

Tajer is an online platform that provide e-Commerce websites and mobile applications, In Tajer, they made eCommerce easy for all, where you can now build an online store in just a few minutes!.

Challenges:

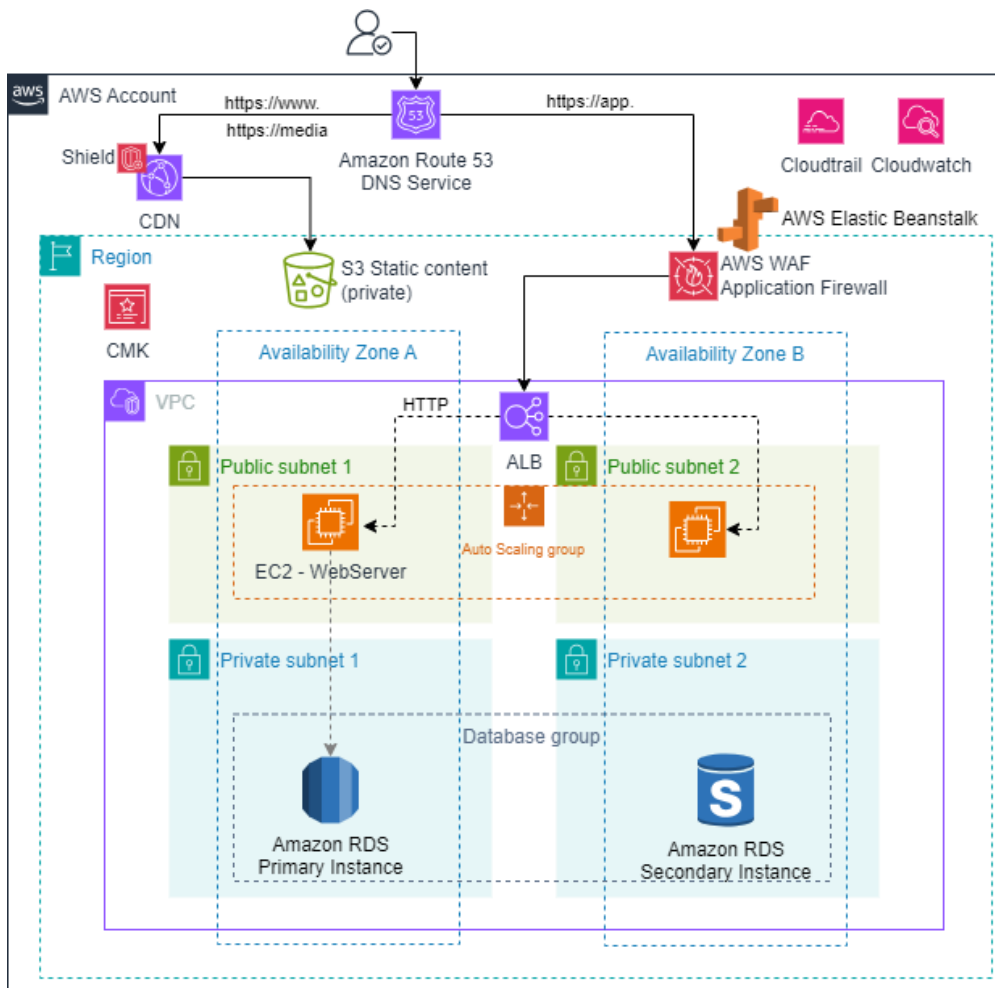
The customer solution was built on a hybrid infrastructure using cloud services for the database solution and hosting the APIs using on-premises servers, depending on a monolithic infrastructure. As the platform started to grow, the need to modernize the application became apparent. Therefore, we migrated the application to AWS and built a highly available, secure, and scalable infrastructure to ensure the business continues to grow.

Solution:

The solution built depend on the customer needs and Aws best practices for windows workloads, the application infrastructure has been built to be automated deployed using AWS Beanstalk as a Highly available, Scalable, Secure, and efficient Infrastructure using AWS Beanstalk, EC2 auto scaling, ALBs, RDS, and Route53 services.

Intel-CS choose to use an ASG to host the backend .Net application behind and application load balancer, and separate ASG for Frontend APIs and for Auth APIs as well.

For SQL Database the best option for the customer case is to use AWS RDS single-AZ deployment to save the cost and guarantee the best performance using AWS managed service (RDS), for the DNS Intel-CS have migrated the domains from GoDaddy to AWS Route53, and for certificates management used AWS ACM.



Results & Benefits:

The Primary Key for this project was to modernize the Application and make sure of the customer and his customers business growth and business continuity by re-architect the application infrastructure to be scalable, highly available and secure infrastructure.

Intel-CS has taken into consideration the well-architected 6 Pillars to be aligned with the customer case and needs.

In a result the application now has an automated deployed, scalable, secure and highly available architecture which provides a great performance and align with the customer business