



**Applied AI**  
Intelligence Delivered



## A London-based Capital Market Platform Achieved Migration and Modernization for its Content Management Application

### Our Client

Our client is an intelligence-driven financial services company with a focus on global emerging markets. It delivers up-to-date market color from major financial centers of the world to local investors who might operate in a very different context.

Their Content Management Application needed to be migrated and modernized.

### Key Challenges

In order to deploy, maintain, and support their existing applications more efficiently, they need to use AWS Services.

They required AWS cloud operations and DevOps for their workloads and continuous integrations.

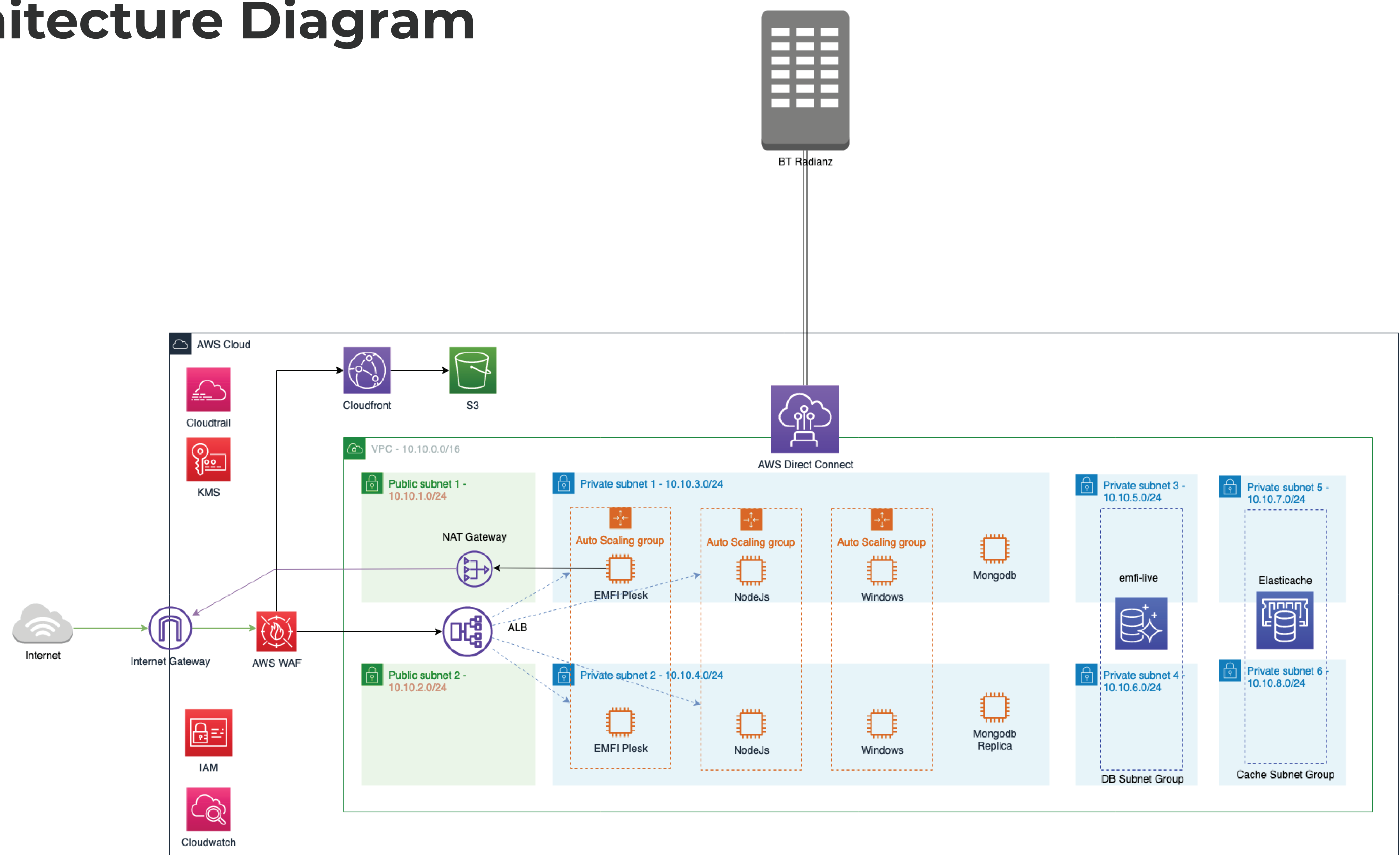
### Our Solution

The AAIC engineers team worked with the client leadership and Product owner team to develop modernized business solutions Primarily involving below objectives.

- 00 Containerizing the EMFI application using AWS ECS Fargate service.
- 00 CI and CD implementation for EMFI application.
- 00 Setting up ALB which distributes the incoming traffic across containers which automatically scales workloads.
- 00 Setting up Operations/Monitoring dashboard on datadog
- 00 Help in migrating private GitLab to public SaaS GitHub. • Automating the deployment of environments for the application with the implementation of ASG to achieve scalability and high reliability
- 00 Creating high level infrastructure of AWS services using Terraform.



# Architecture Diagram



AWS Service	Usage of service
ECS	Amazon Elastic Container Service (Amazon ECS) is a highly scalable, fast container management service that makes it easy to run, stop, and manage containers on a cluster.
ECS Cluster	An Amazon ECS cluster is a regional grouping of one or more container instances on which you can run task requests.
ECS Task Definition	Task definition is basically the blueprint describing the docker containers that are used to run the application.
ECS Service	Service defines the minimum and the maximum tasks that are running from a single task definition at any given point.
EC2 Instance	EC2 stands for Elastic Compute Cloud. It is nothing but a basic computer virtually present in AWS cloud which you can access and do whatever you can do on a basic computer.
VPC	A virtual private cloud (VPC) is a secure, isolated private cloud hosted within a public cloud.
ALB	The Application Load Balancer is a feature of Elastic Load Balancing that allows a developer to configure and route incoming end-user traffic to applications based in the AWS public cloud.
IAM	AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely
RDS	Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud.



## Results and Benefits

- 01 Being on AWS open ups an array of new services and technologies that are now significantly more accessible to the average IT group.
- 02 Being on AWS opens up new possibilities to integrate including best of breed tools & services to connect to other systems.
- 03 Use of Terraform provides create, change, and version infrastructure safely and efficiently
- 04 Elasticity, load balancing and the capability to scale automatically is a big bonus.



**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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