

AWS Services Intro

01/08/2023

AWS Global Infrastructure - as of 01/08/2023

- ❖ 30 Launched Regions + 5 coming soon
- ❖ 96 Availability Zones
- ❖ 400+ [Edge Locations](#)
- ❖ 25 Local Zones
- ❖ 200+ Services

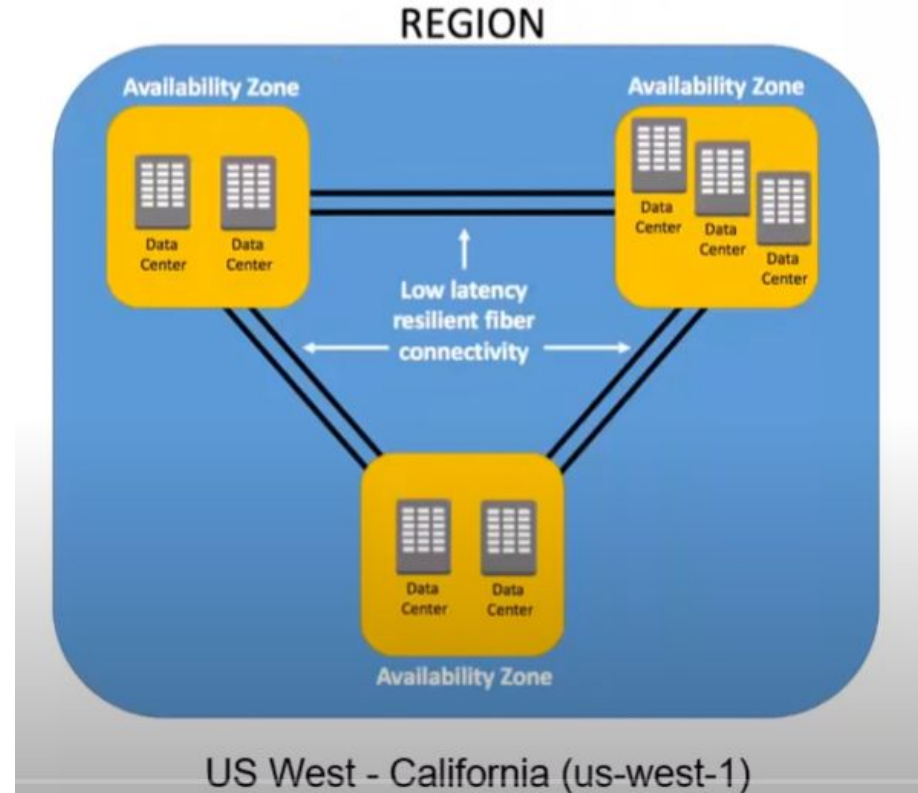


Region and Availability Zone

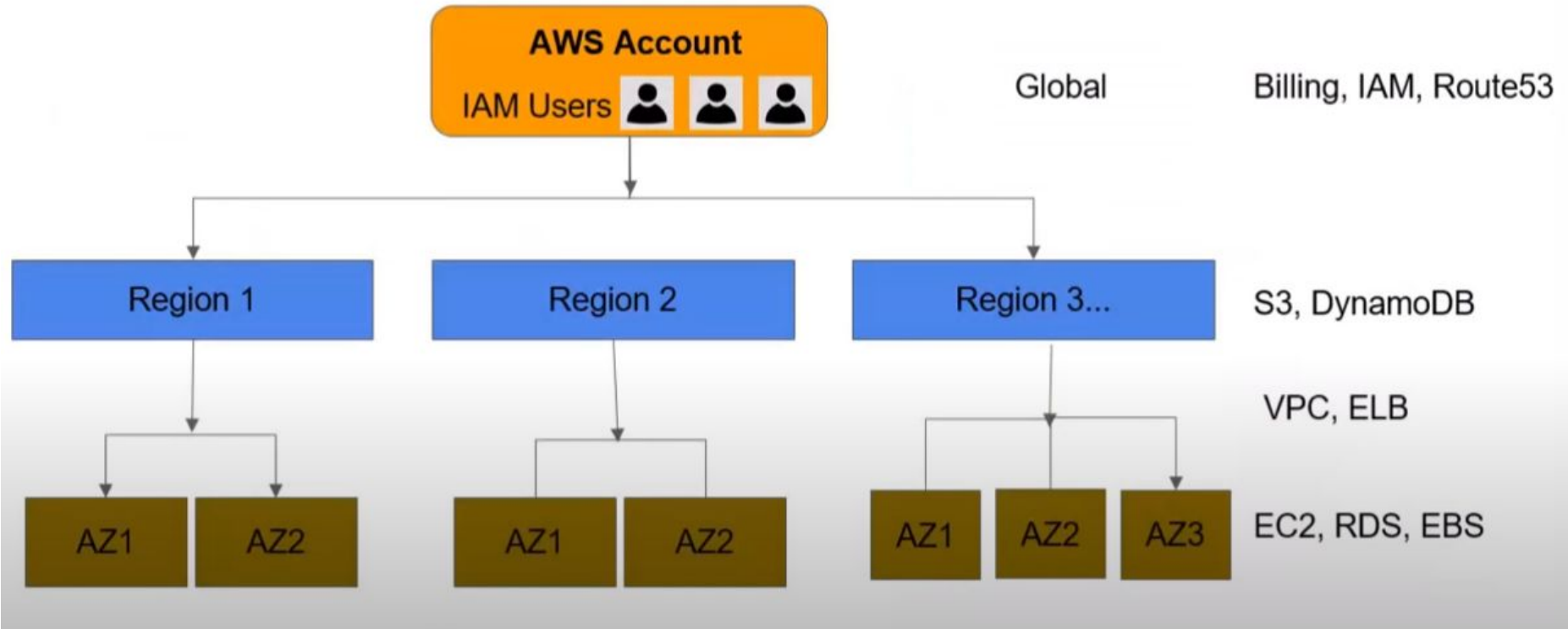
Region = Independent Geographic Area

Availability Zone = Multiple isolated locations / Data centers in a Region

Usually one Region contains 2~5 AZs



AWS Account, Users and Services scope



AWS Compute and Analytics Services


Services

Search


[Alt+S]

All services


Services by category

 Compute


EC2
Lightsail
Lambda
Batch
Elastic Beanstalk
Serverless Application Repository
AWS Outposts
EC2 Image Builder
AWS App Runner
AWS SimSpace Weaver

 Containers


Elastic Container Registry
Elastic Container Service
Elastic Kubernetes Service
Red Hat OpenShift Service on AWS

 Storage


S3
EFS
FSx
S3 Glacier
Storage Gateway
AWS Backup
AWS Elastic Disaster Recovery

 Database


RDS
ElastiCache
Neptune
Amazon OLDB

 Developer Tools


CodeStar
CodeCommit
CodeArtifact
CodeBuild
CodeDeploy
CodePipeline
Cloud9
CloudShell
X-Ray
AWS FIS
Amazon CodeCatalyst
AWS AppConfig
Amazon CodeWhisperer
Application Composer

 Customer Enablement


AWS IQ
Managed Services
Activate for Startups
Support

 Robotics


AWS RoboMaker


 Blockchain

Amazon Managed Blockchain


 Satellite

Ground Station


 Quantum Technologies

 Machine Learning


Amazon SageMaker
Amazon Augmented AI
Amazon CodeGuru
Amazon DevOps Guru
Amazon Comprehend
Amazon Forecast
Amazon Fraud Detector
Amazon Kendra
Amazon Personalize
Amazon Polly
Amazon Rekognition
Amazon Textract
Amazon Transcribe
Amazon Translate
AWS DeepComposer
AWS DeepLens
AWS DeepRacer
AWS Panorama
Amazon Monitron
Amazon HealthLake
Amazon Lookout for Vision
Amazon Lookout for Equipment
Amazon Lookout for Metrics
Amazon Lex
Amazon Comprehend Medical
Amazon Omics

 Analytics


Athena
Amazon Redshift
EMR

 AWS Cost Management


AWS Cost Explorer
AWS Budgets
AWS Marketplace Subscriptions
AWS Application Cost Profiler
AWS Billing Conductor

 Front-end Web & Mobile


AWS Amplify
AWS AppSync
Device Farm
Amazon Location Service

 AR & VR

Amazon Sumerian

 Application Integration

Step Functions
Amazon AppFlow
Amazon EventBridge
Amazon MQ
Simple Notification Service
Simple Queue Service
SWF
Managed Apache Airflow

 Business Applications

Amazon Connect
Amazon Pinpoint
Amazon Honeycode
Amazon Chime
Amazon QuickSight

Build an application (with AWS services)

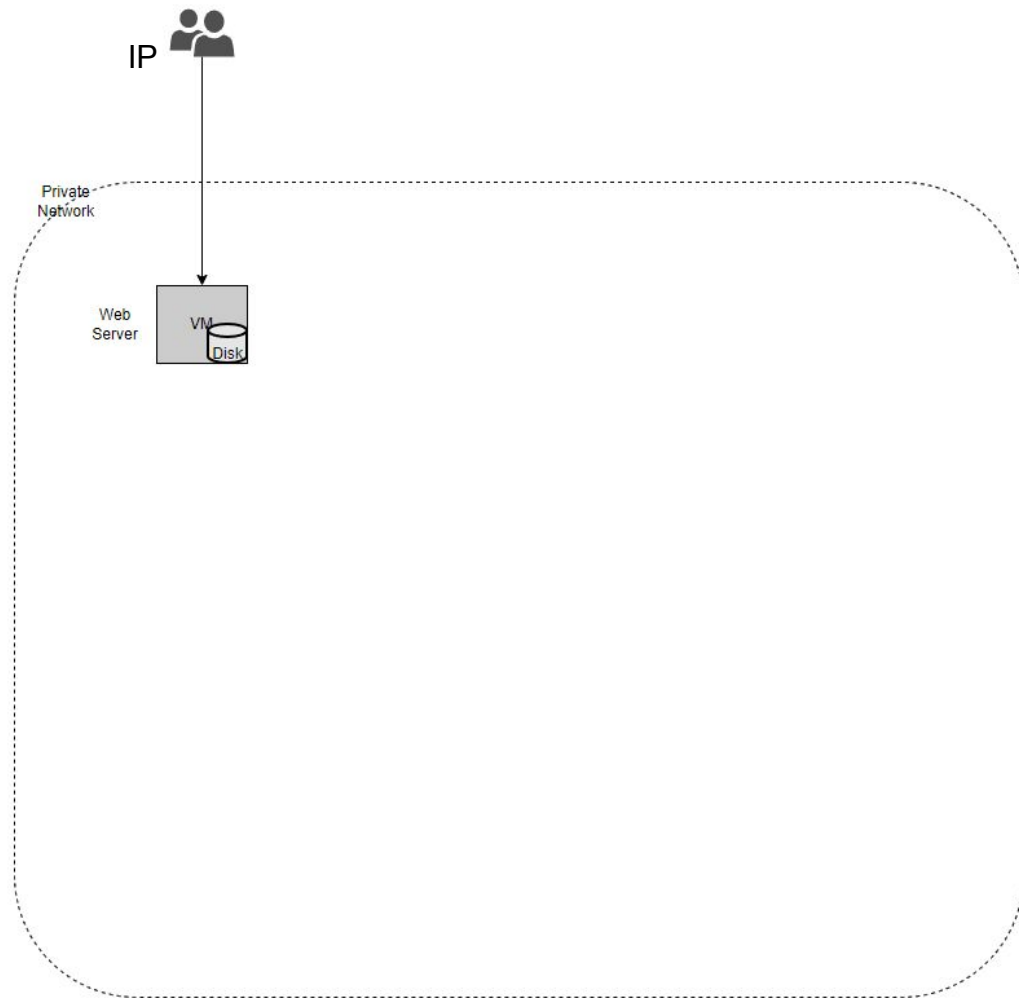
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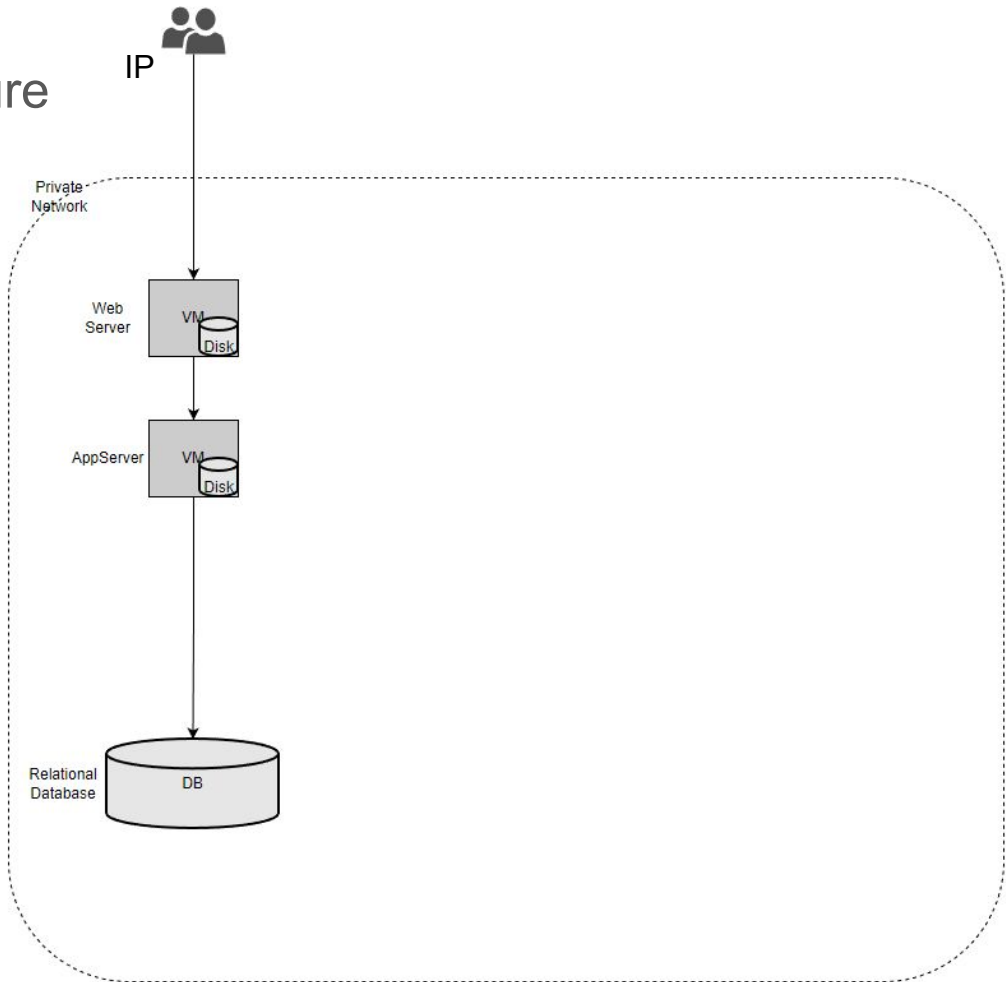
Private
Network

A large, empty rounded rectangle with a dashed border, representing a private network. The rectangle is positioned on the right side of the image, with its top-left corner near the text 'Private Network'. The interior of the rectangle is white and contains no other elements.

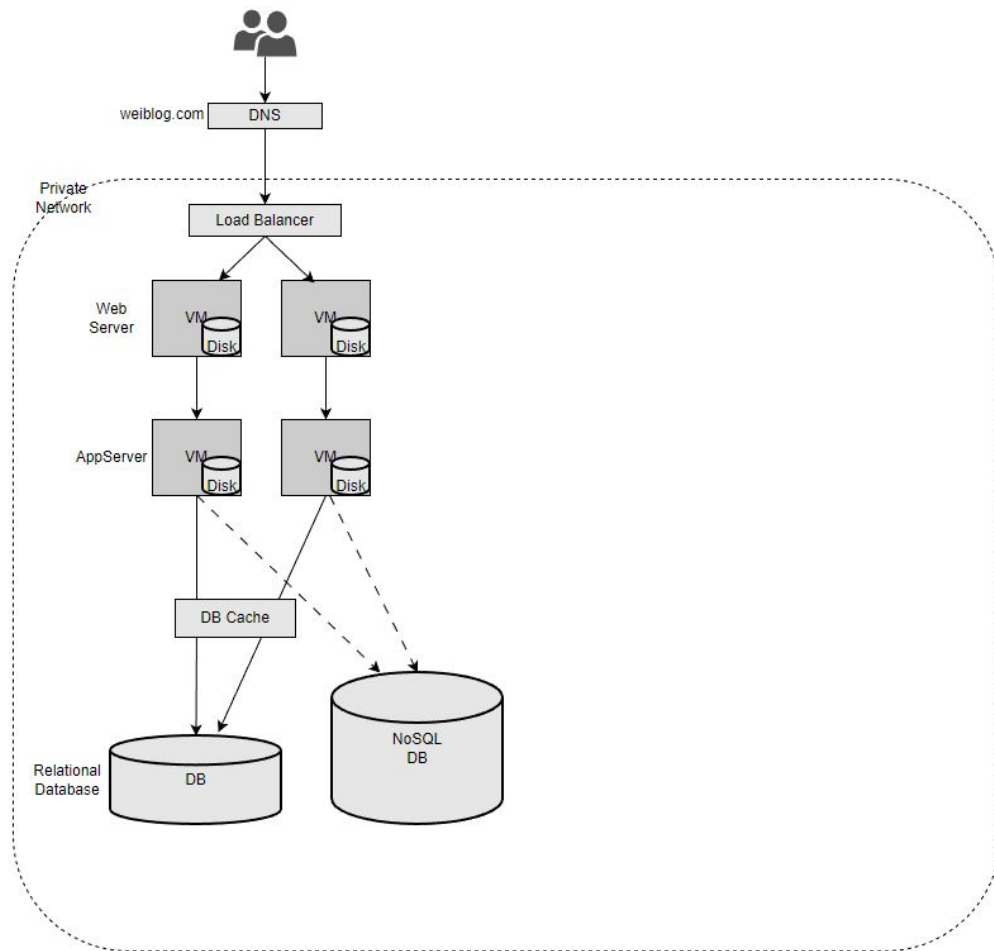
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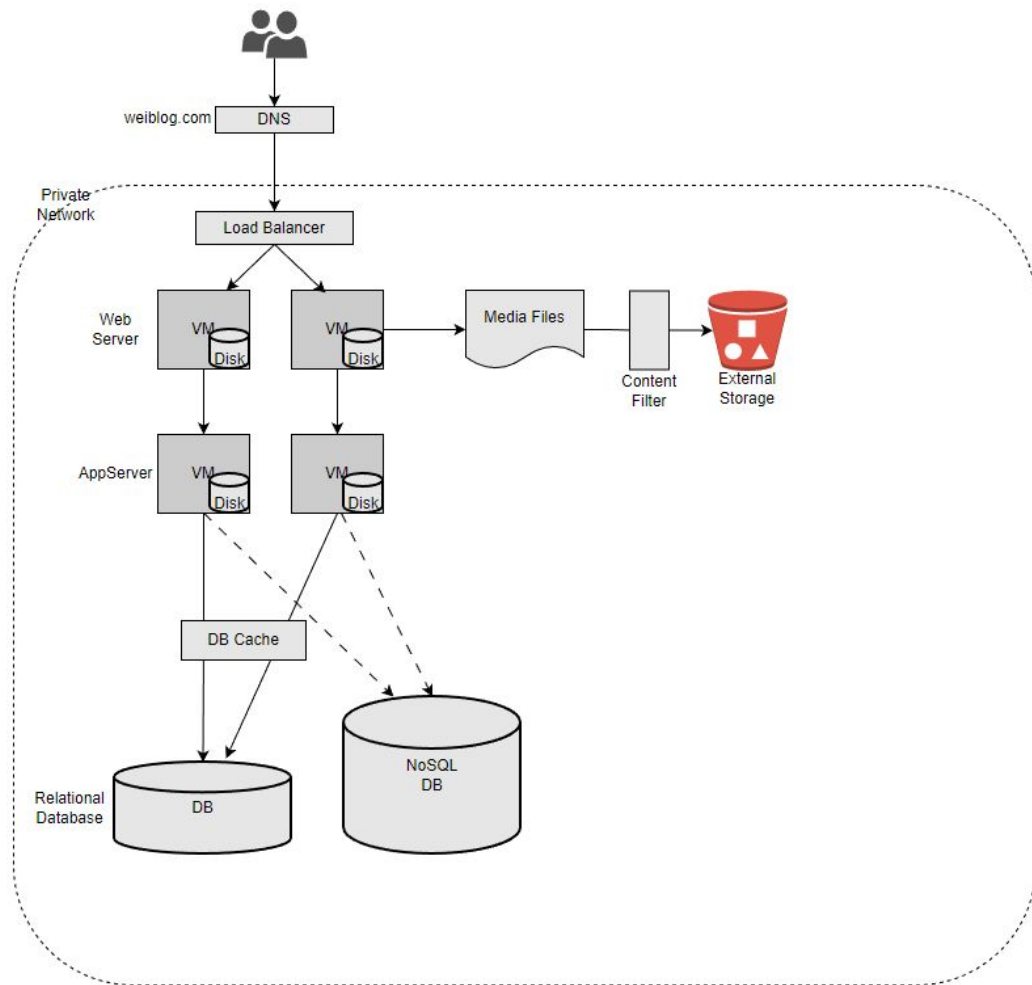
weiblog.com - Three tier Architecture



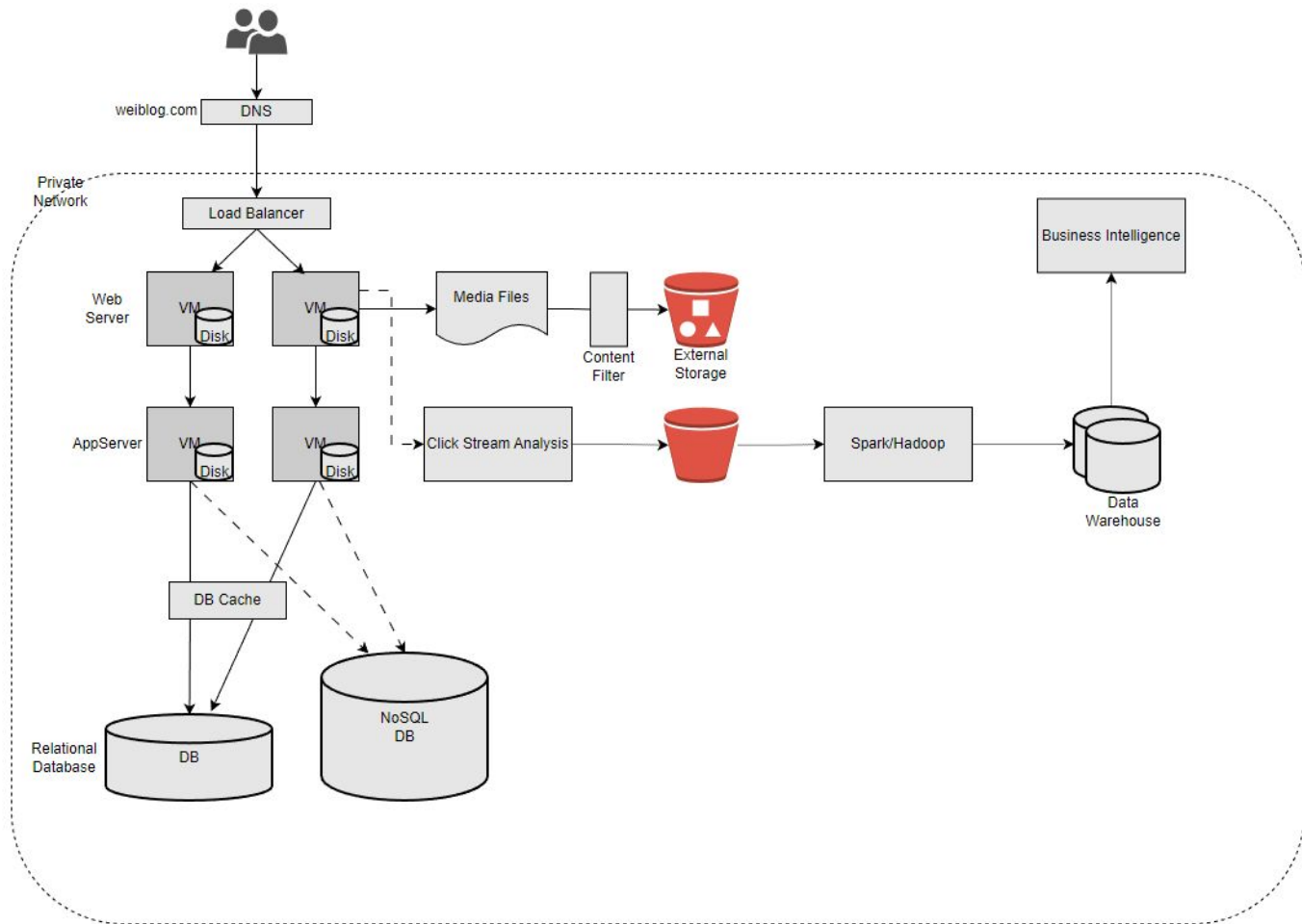
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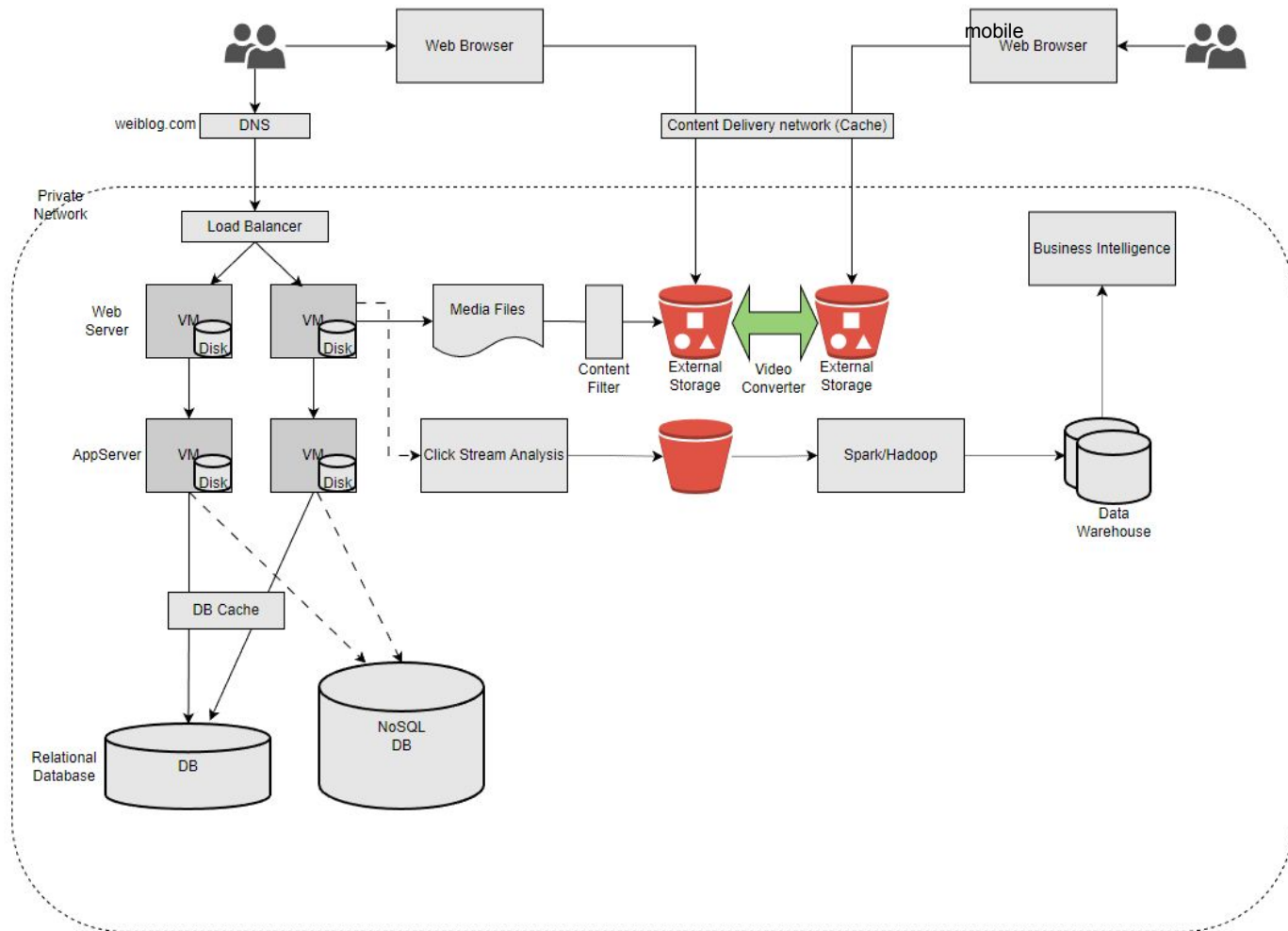
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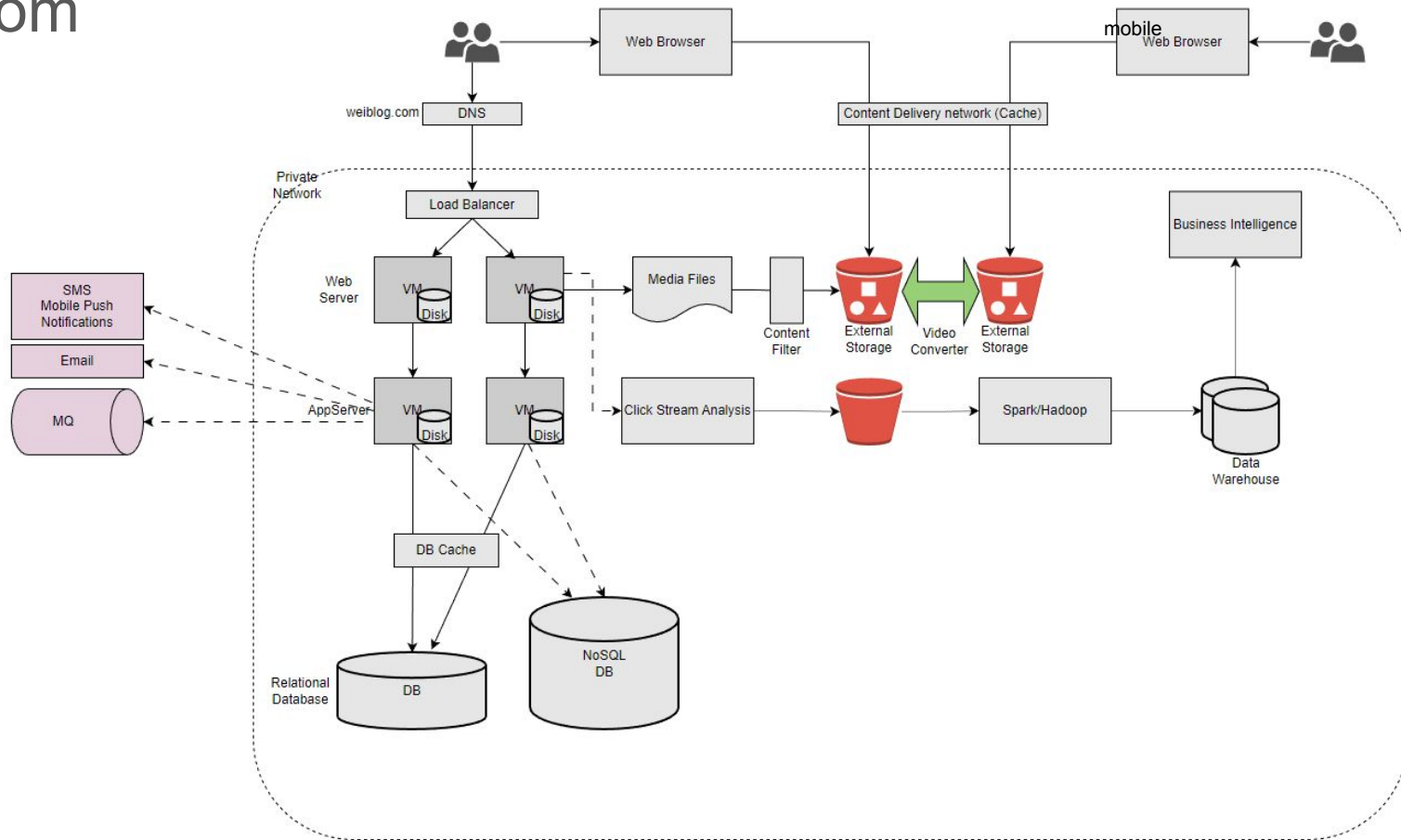
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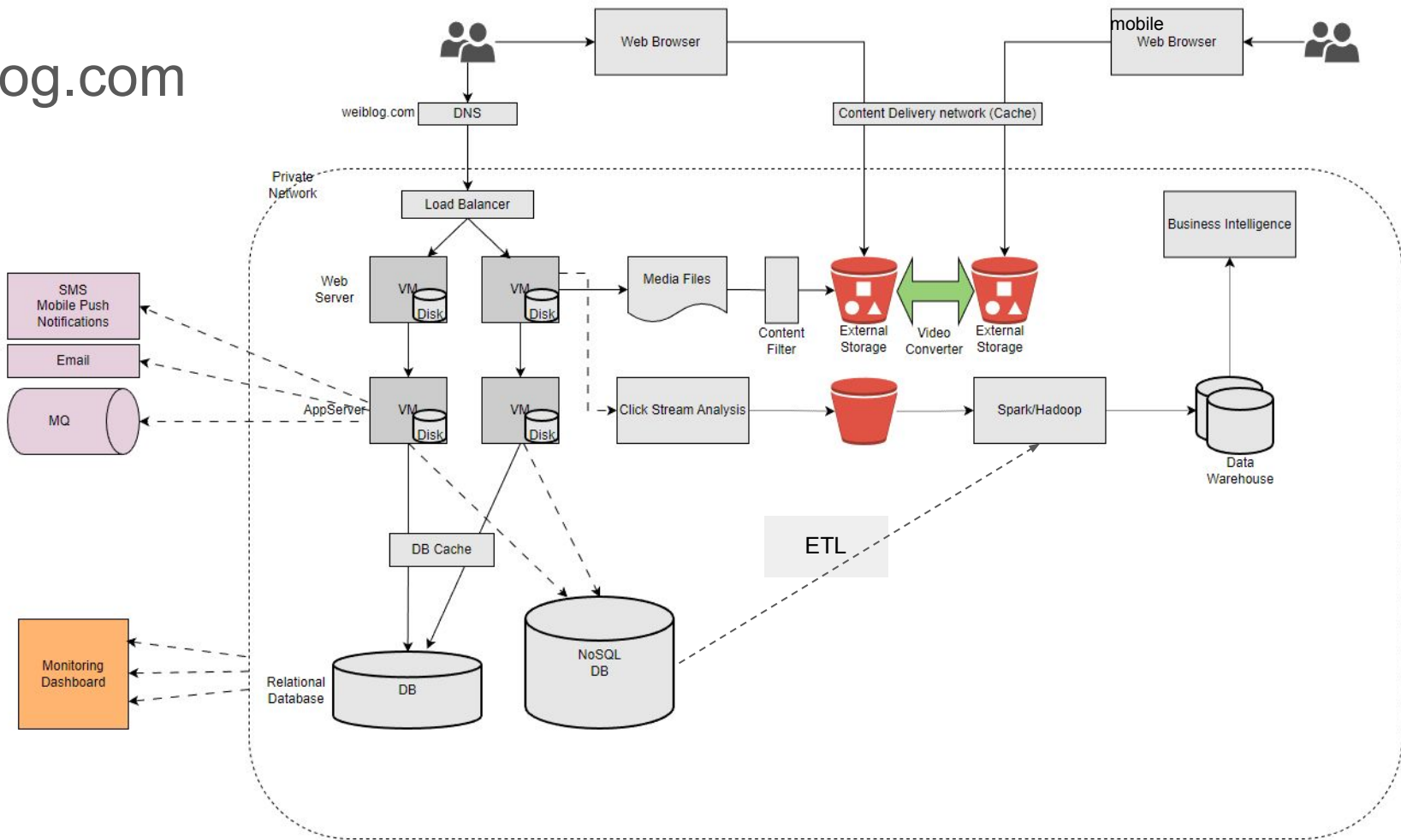
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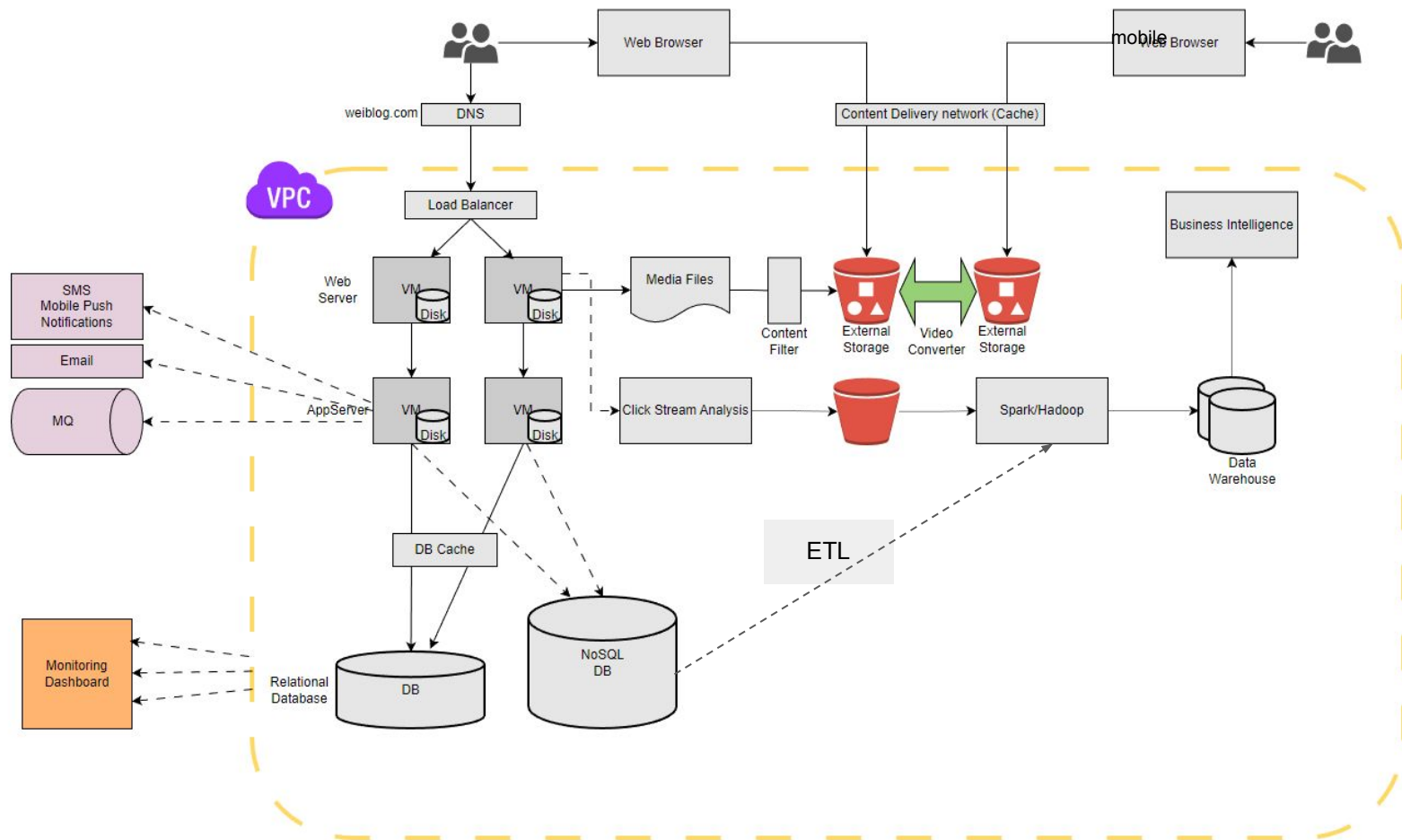
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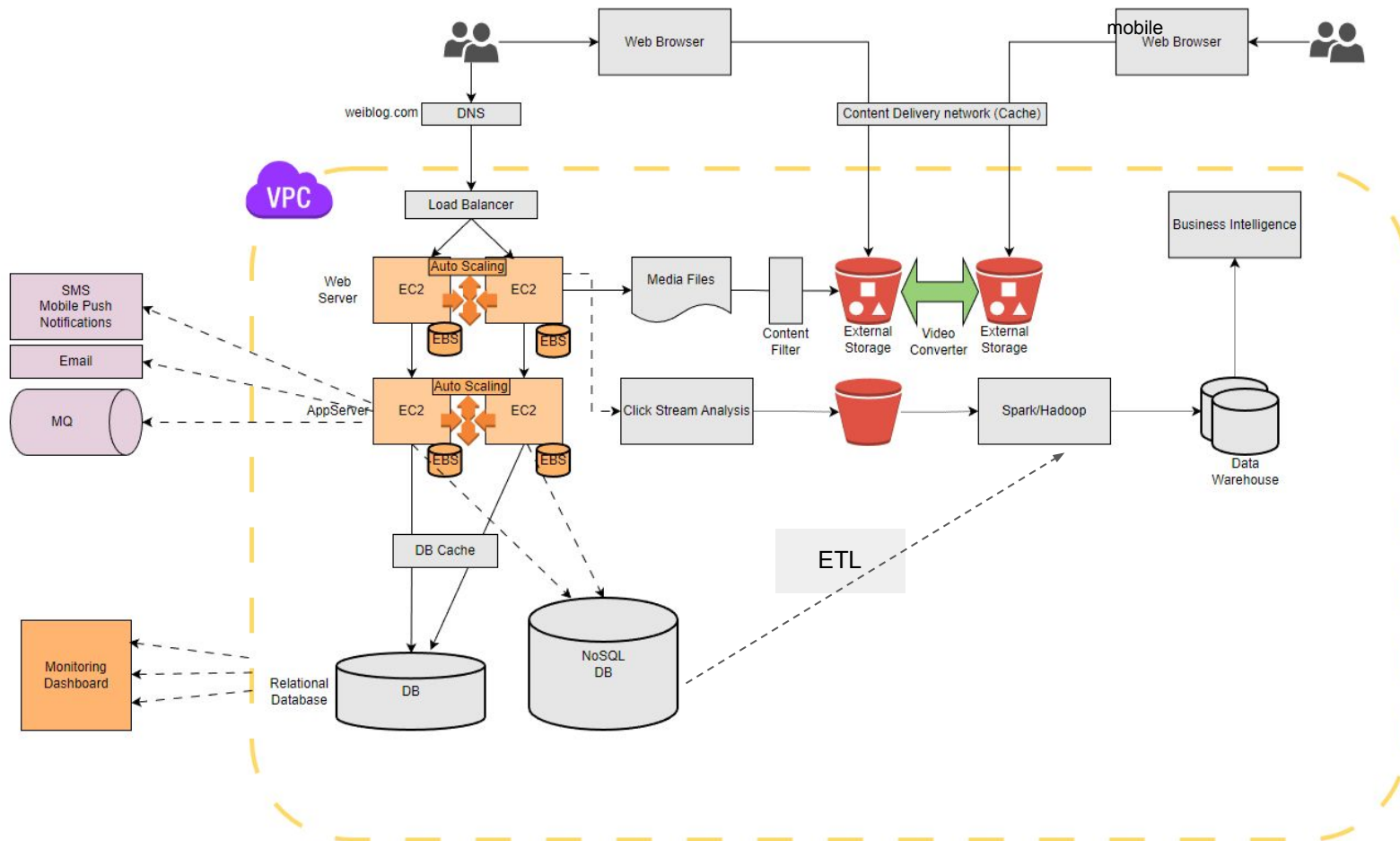
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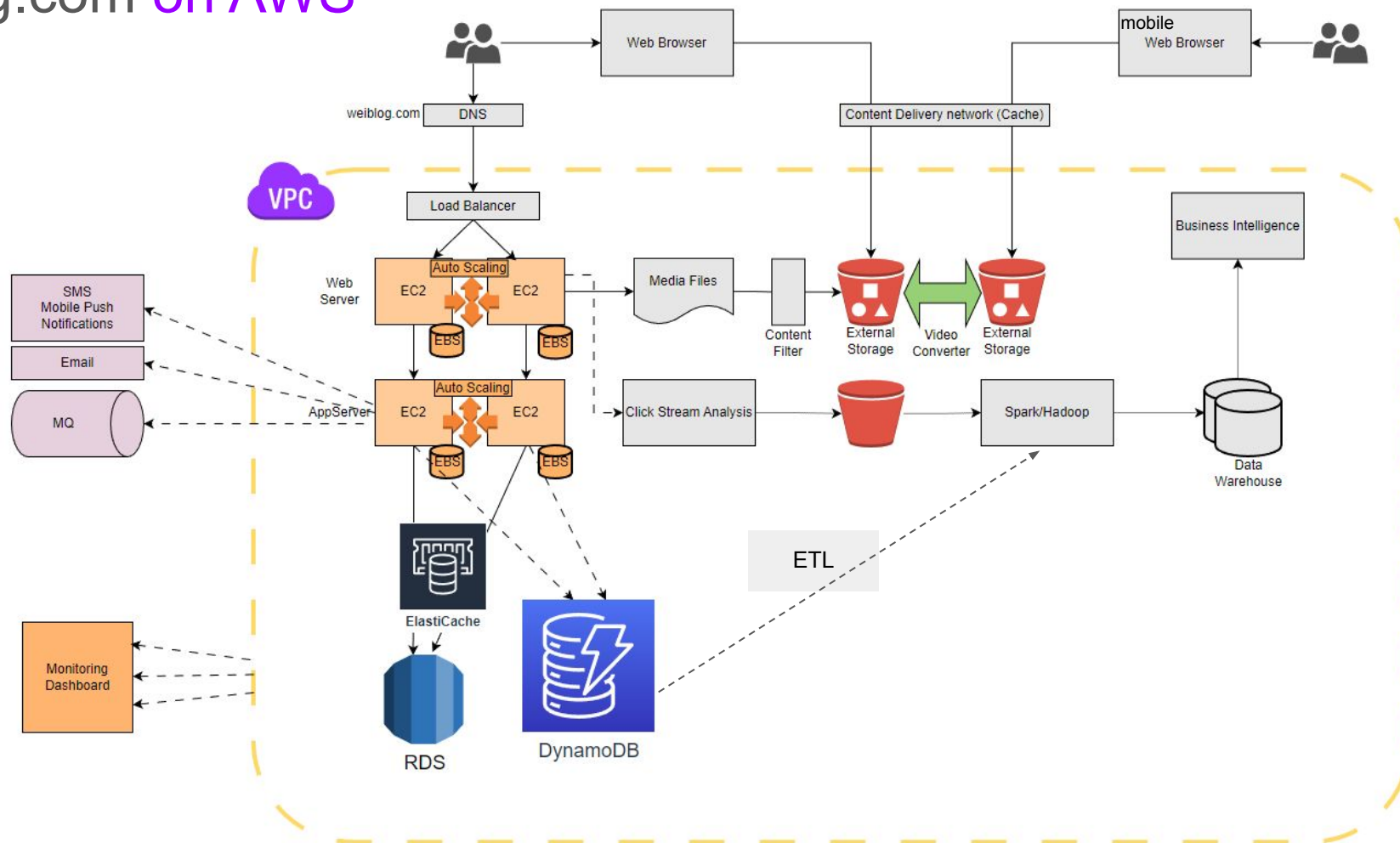
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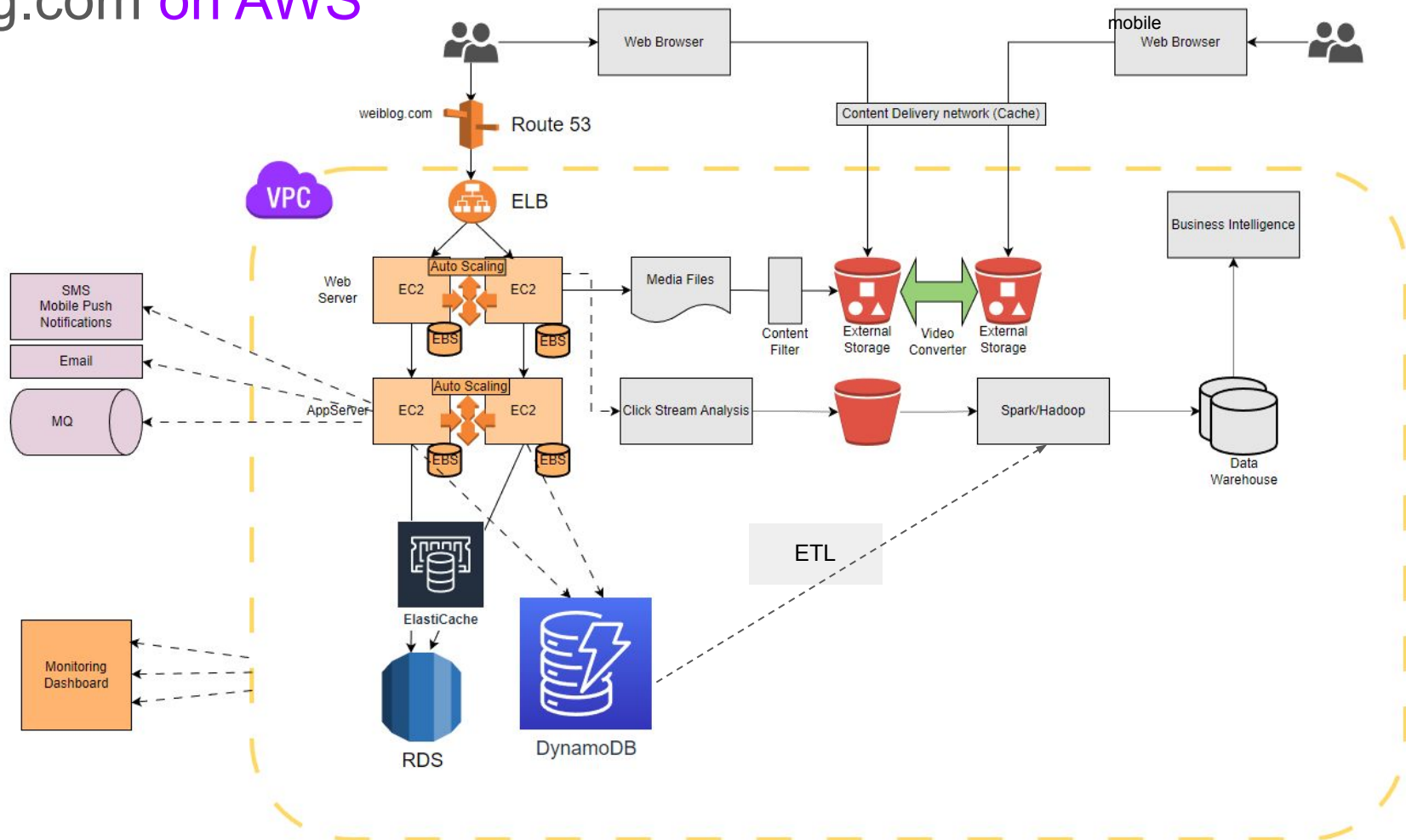
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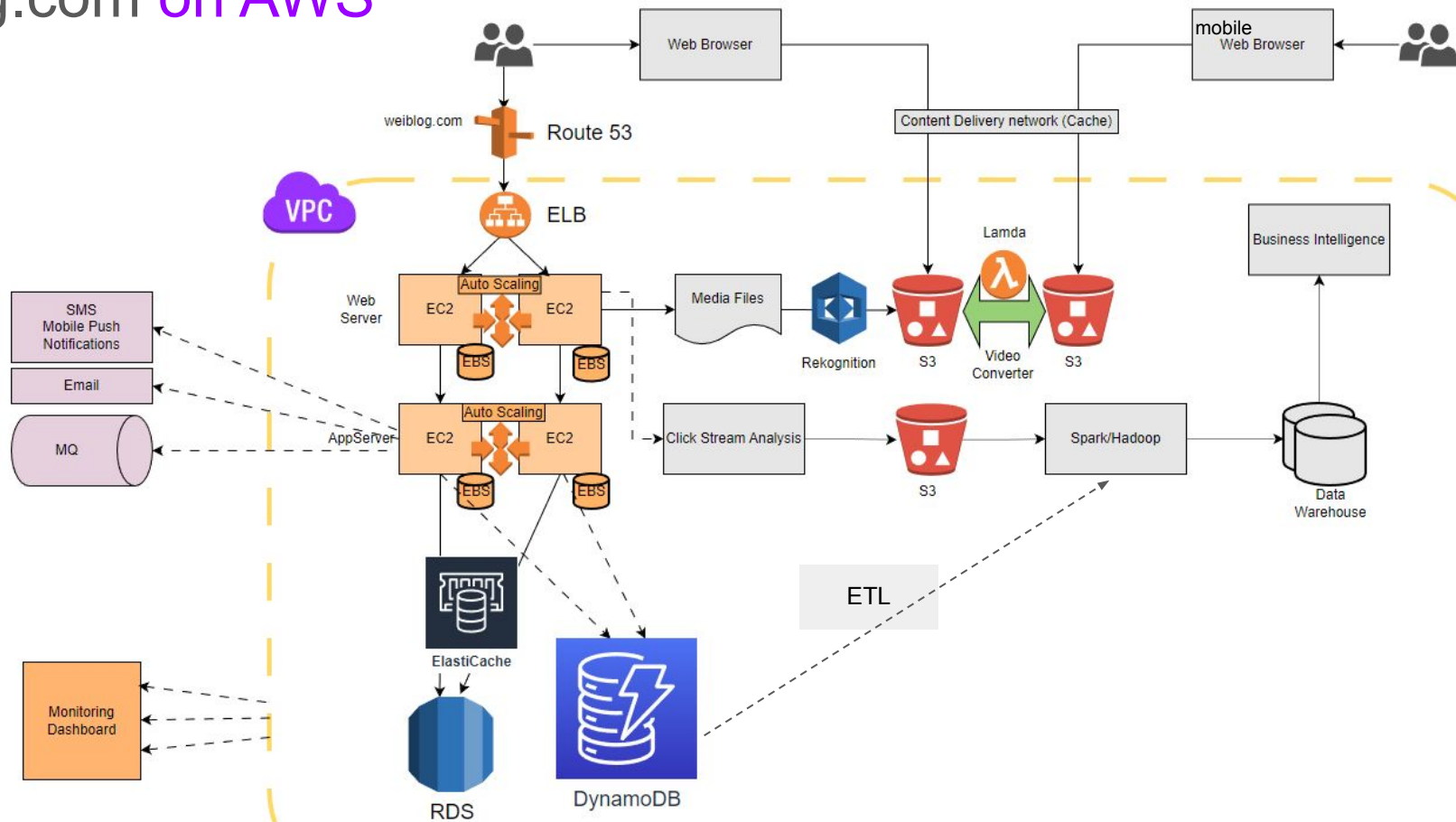
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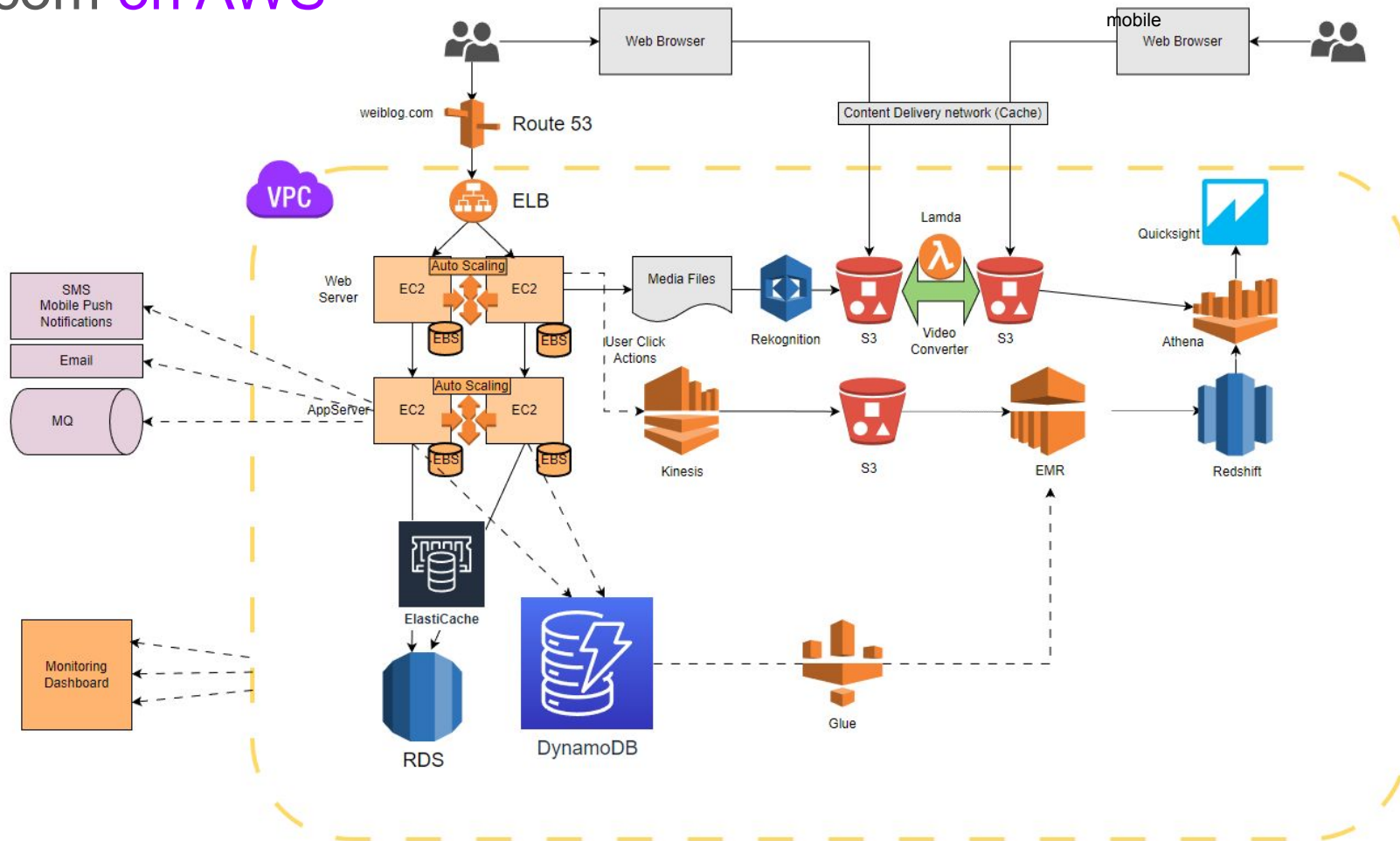
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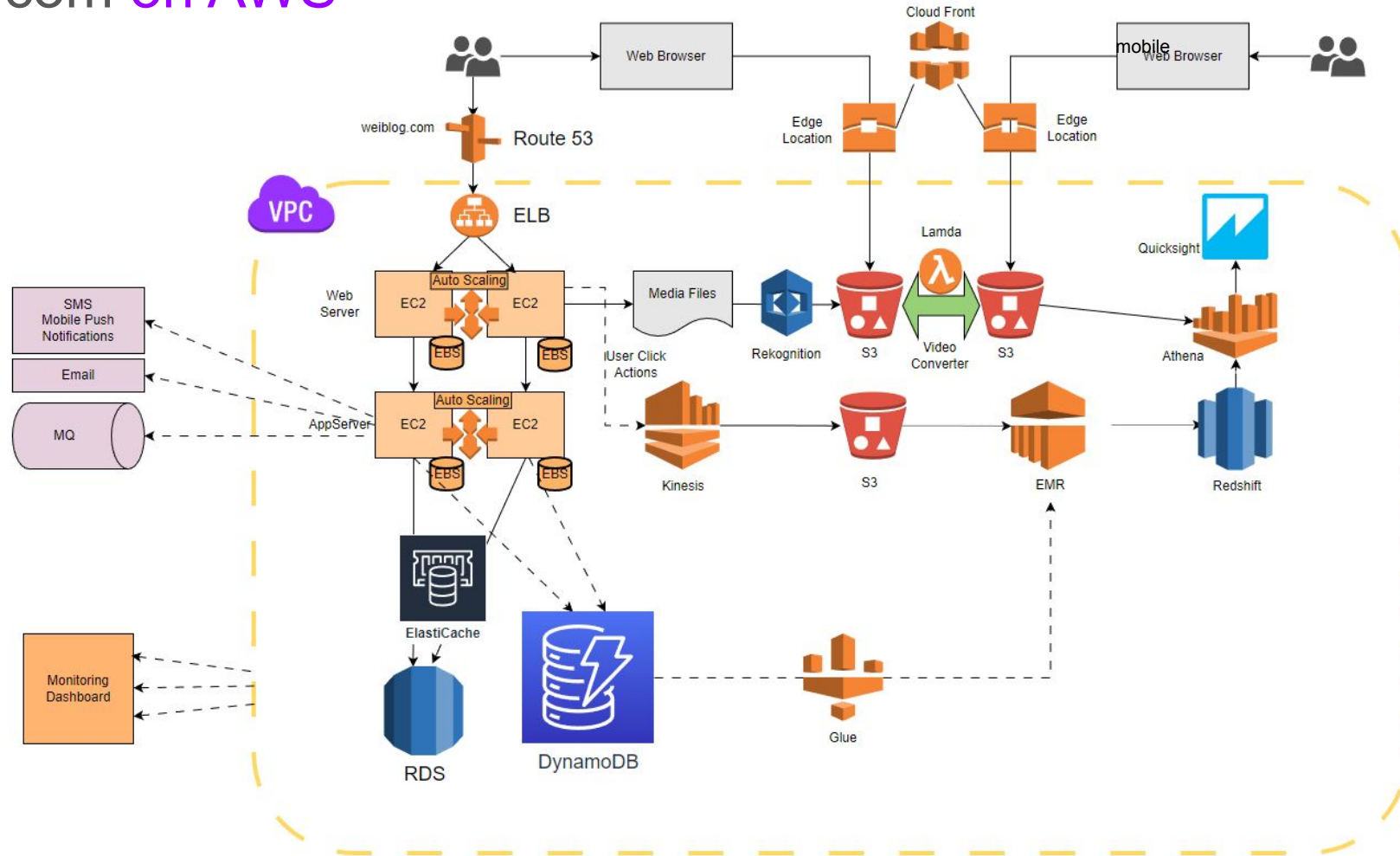
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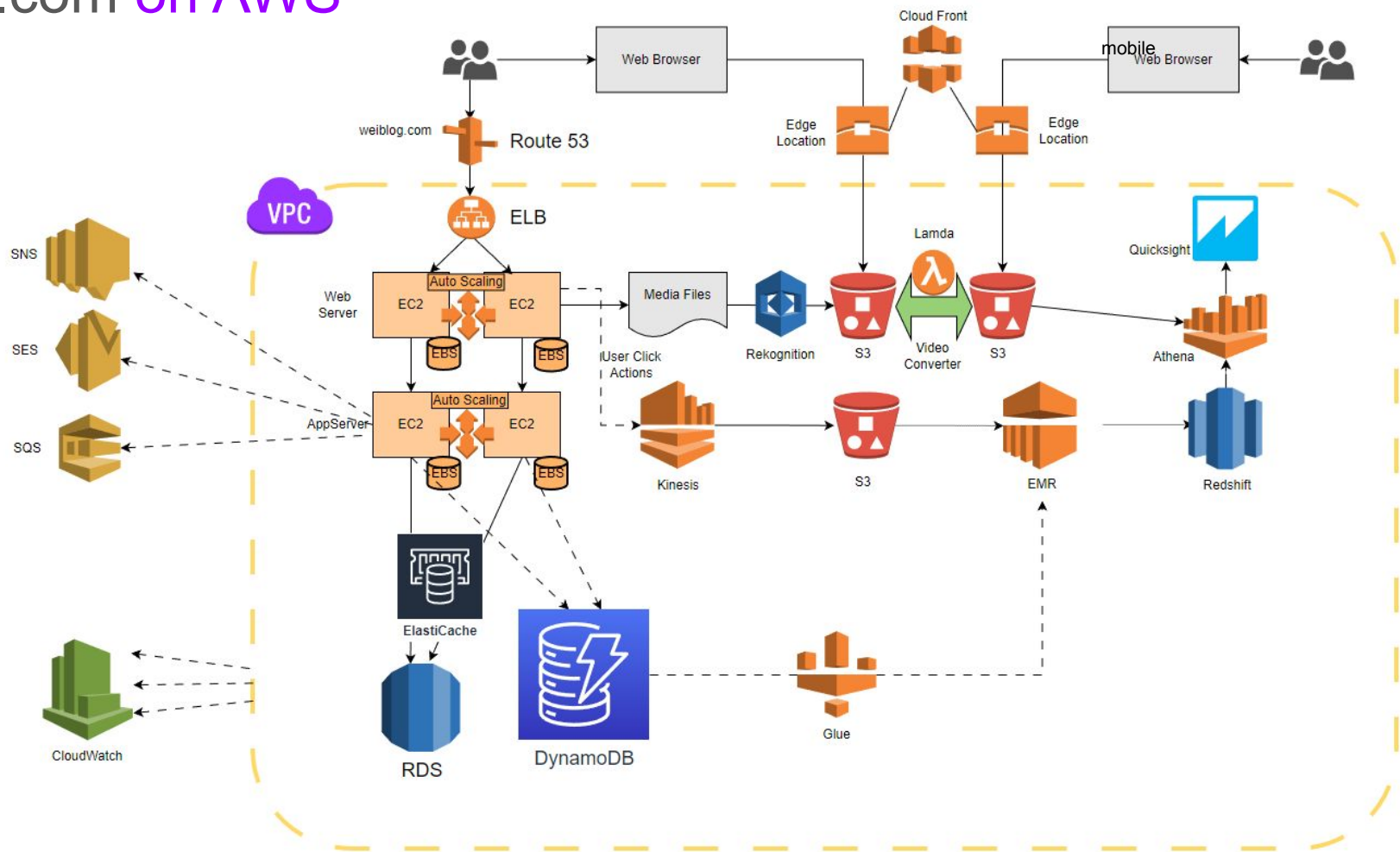
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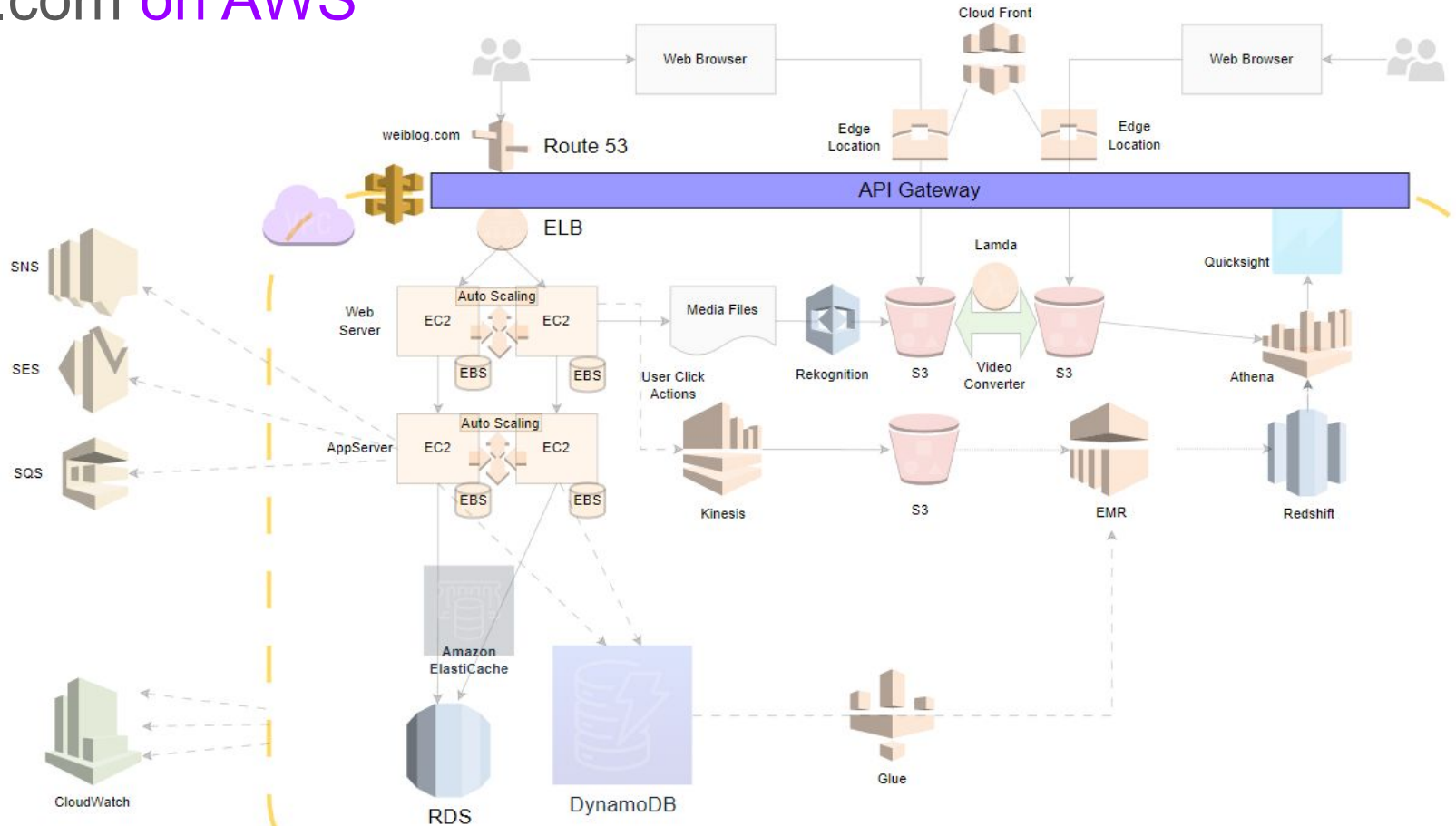
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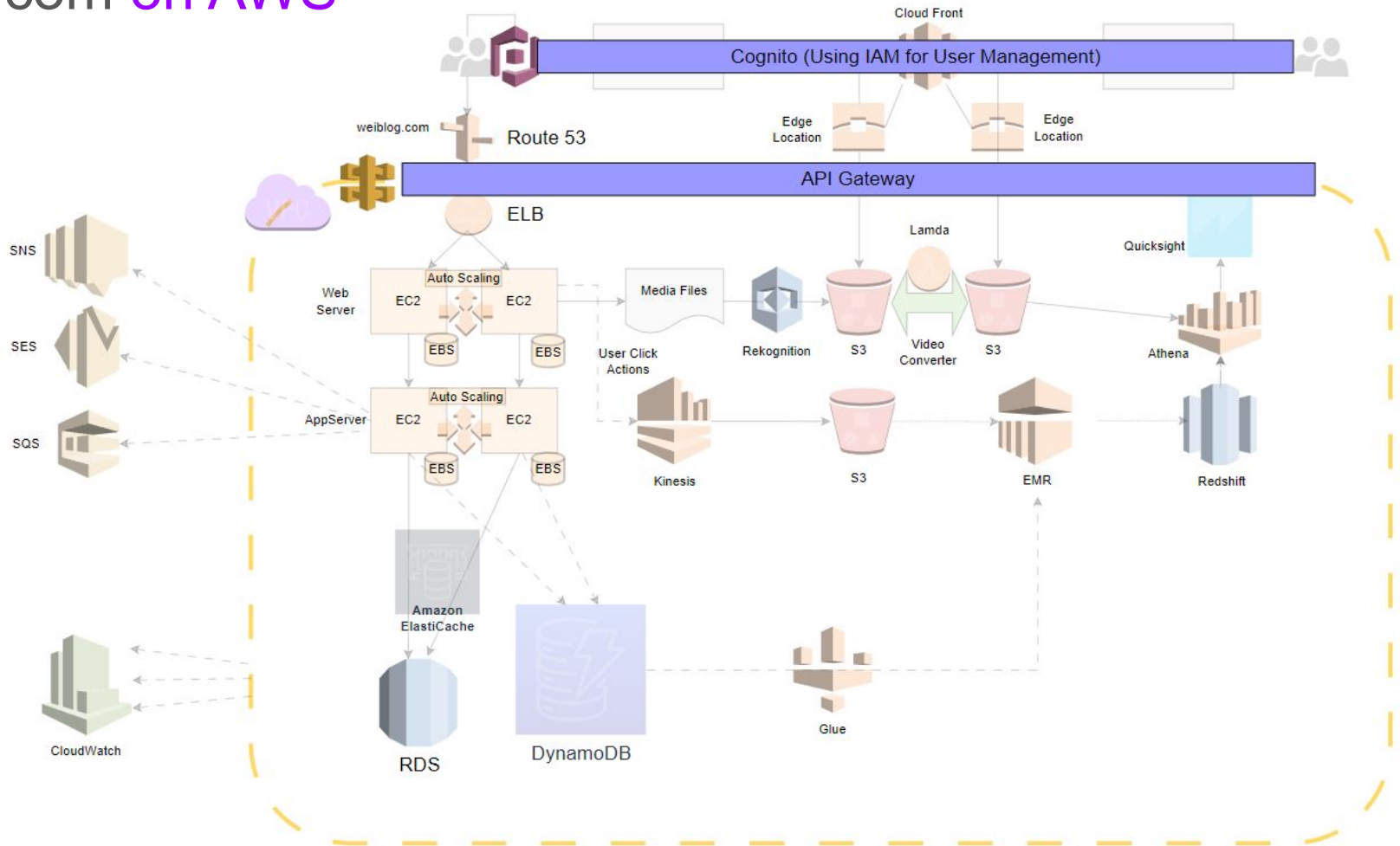
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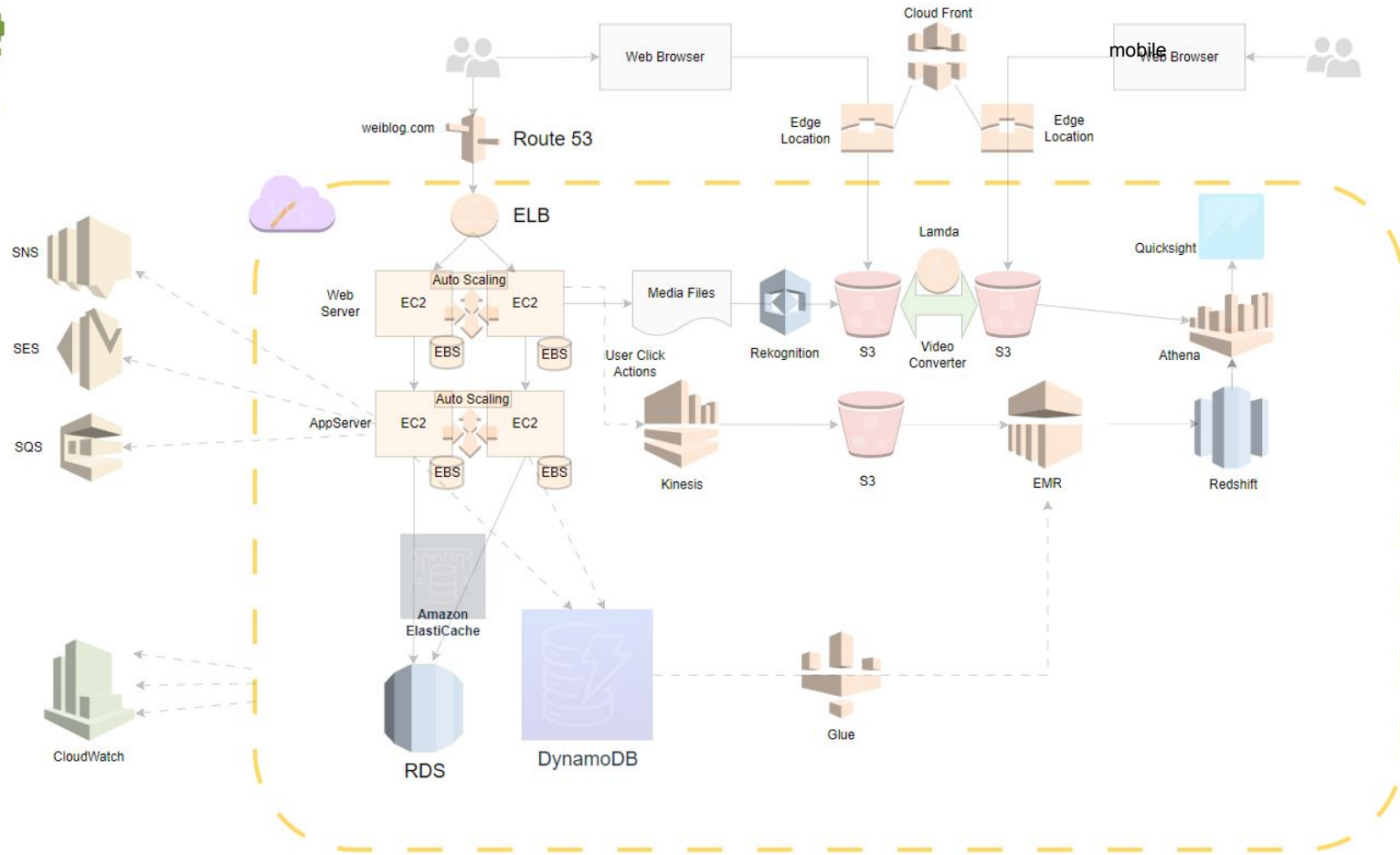
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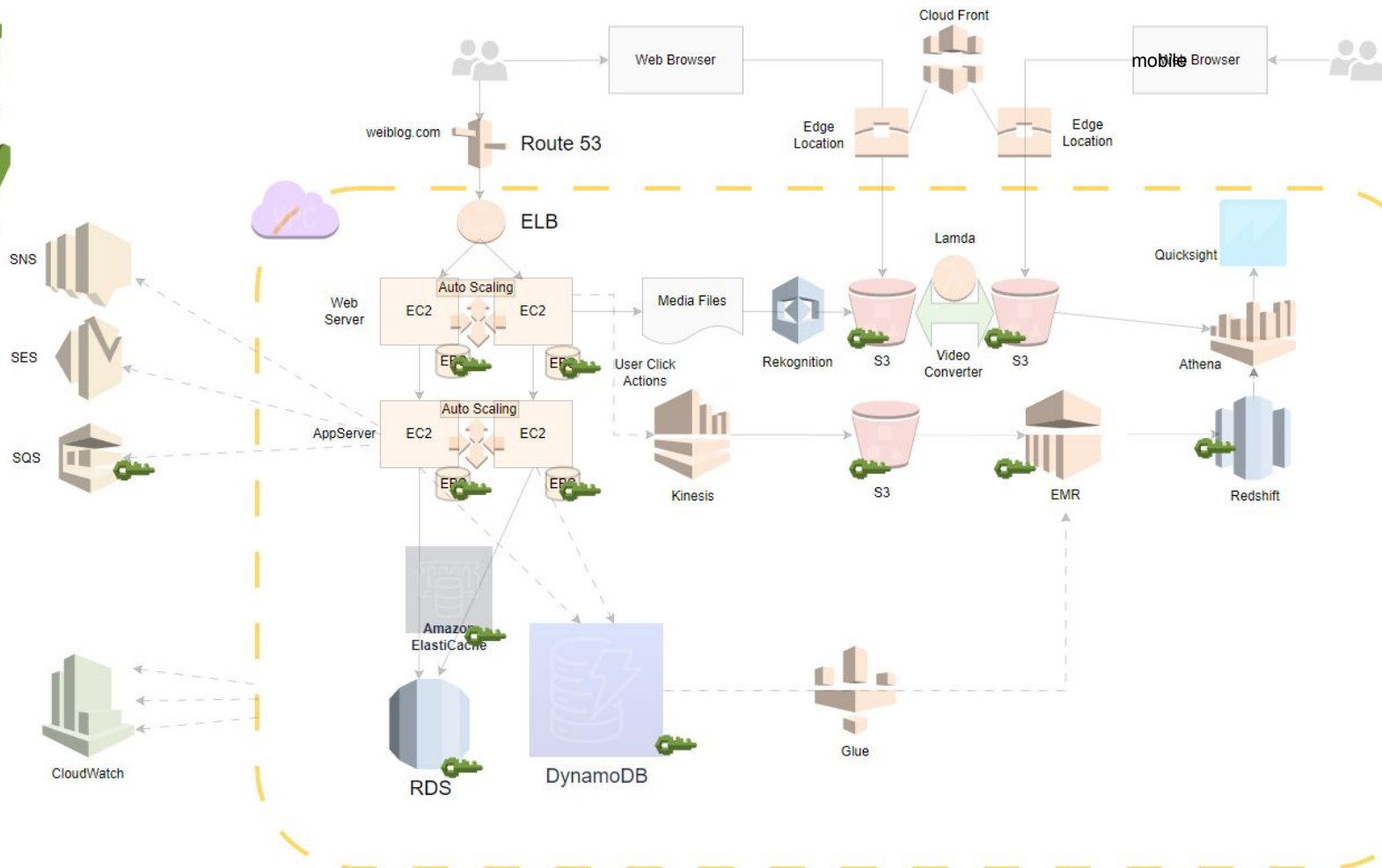
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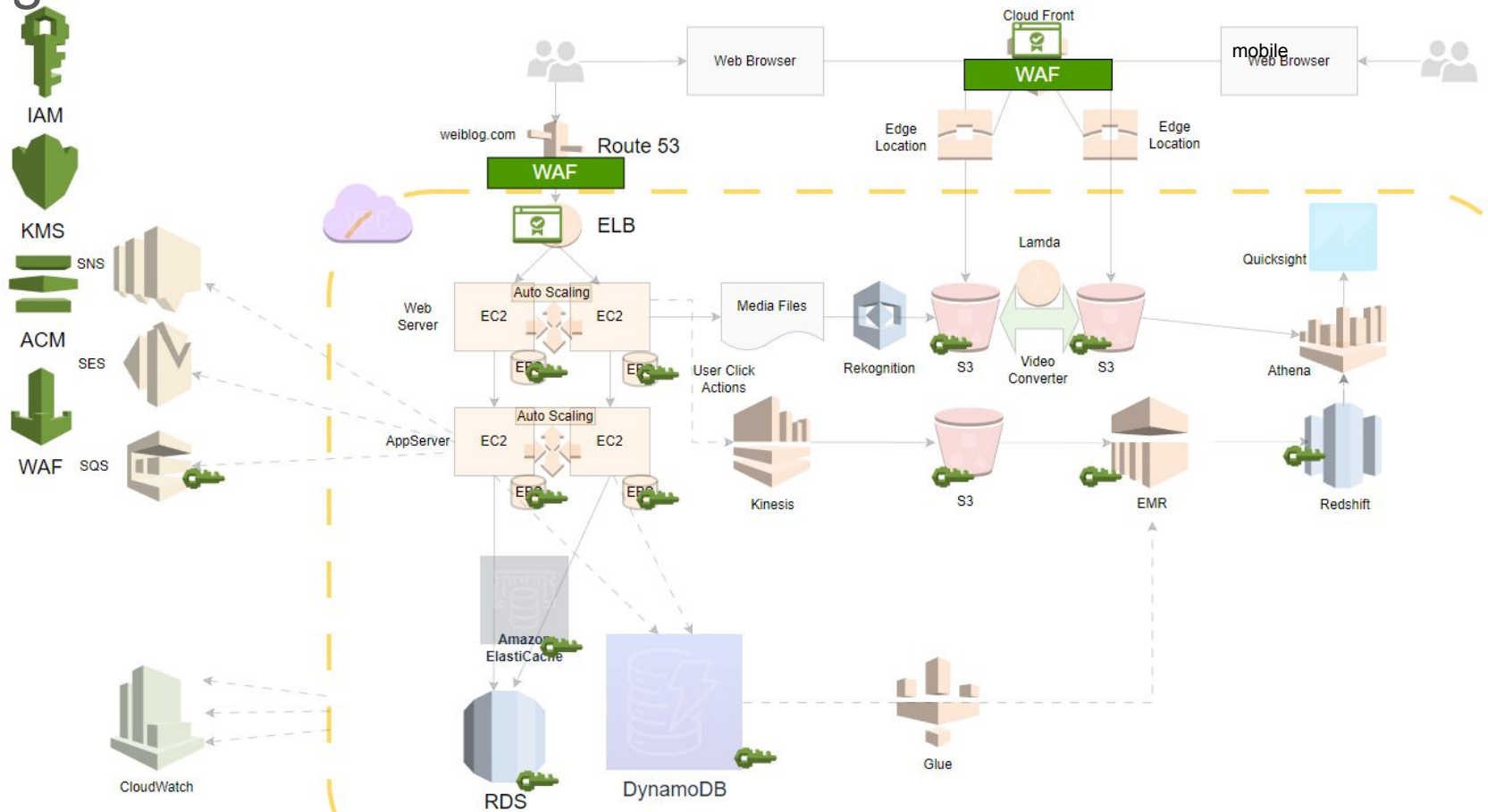
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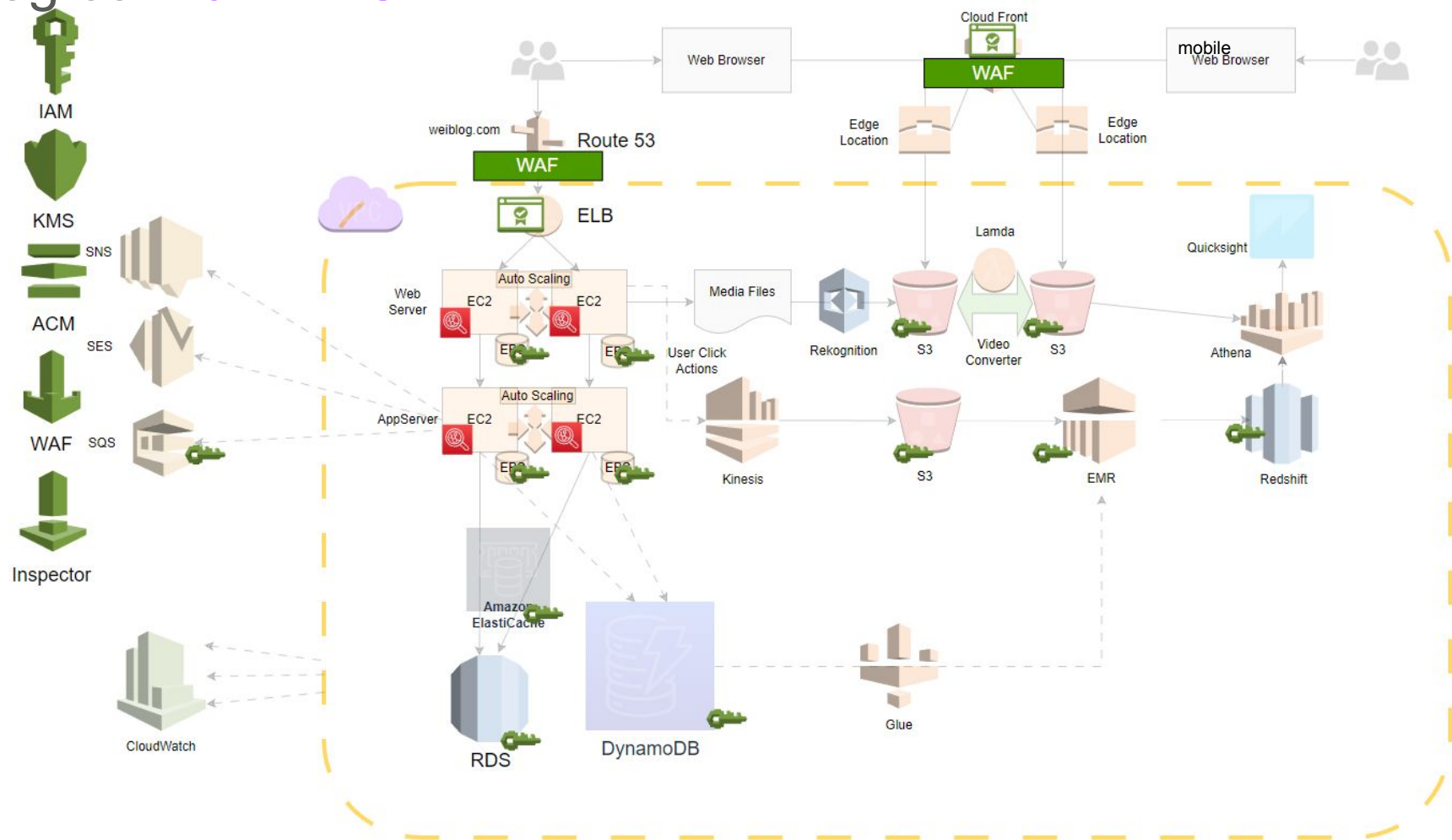
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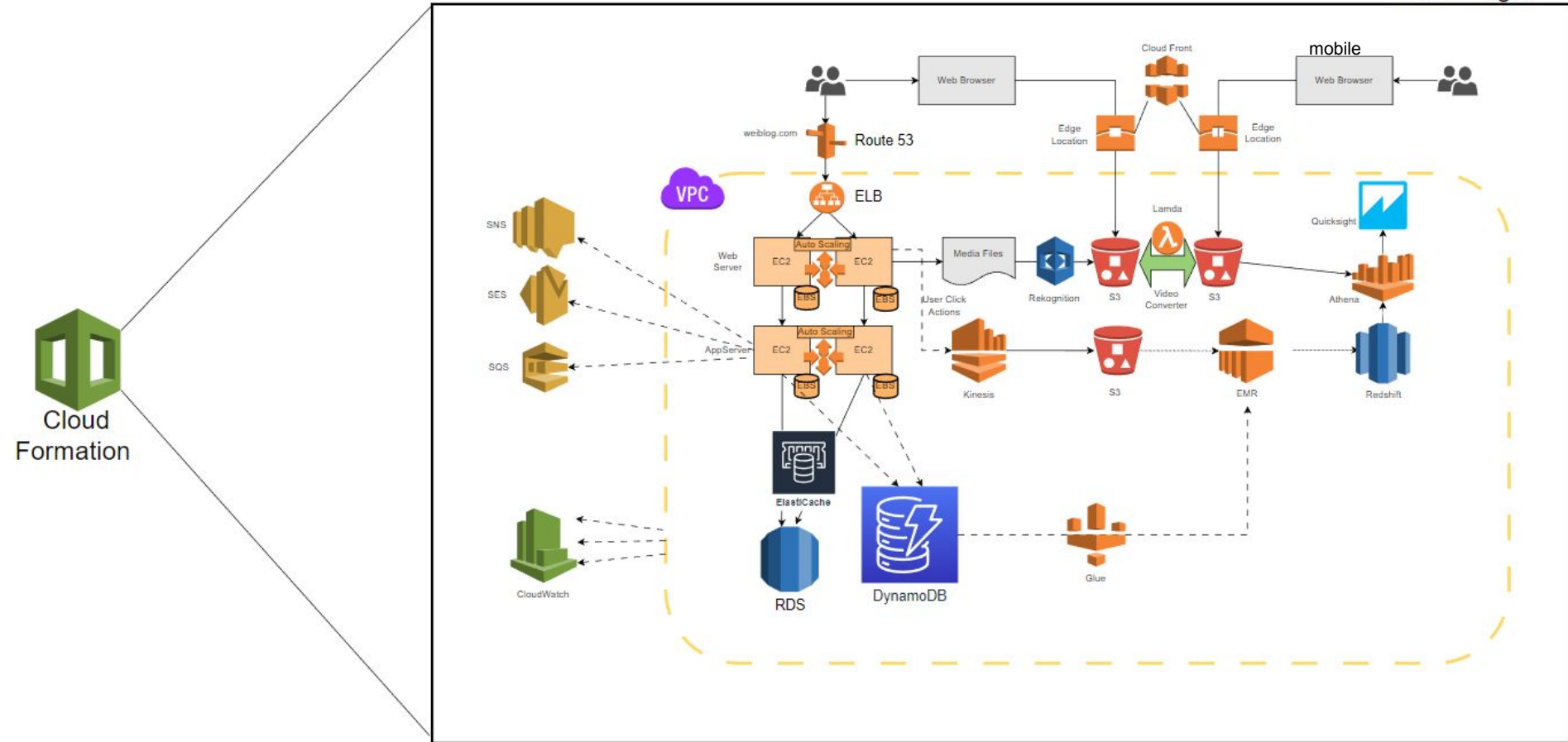


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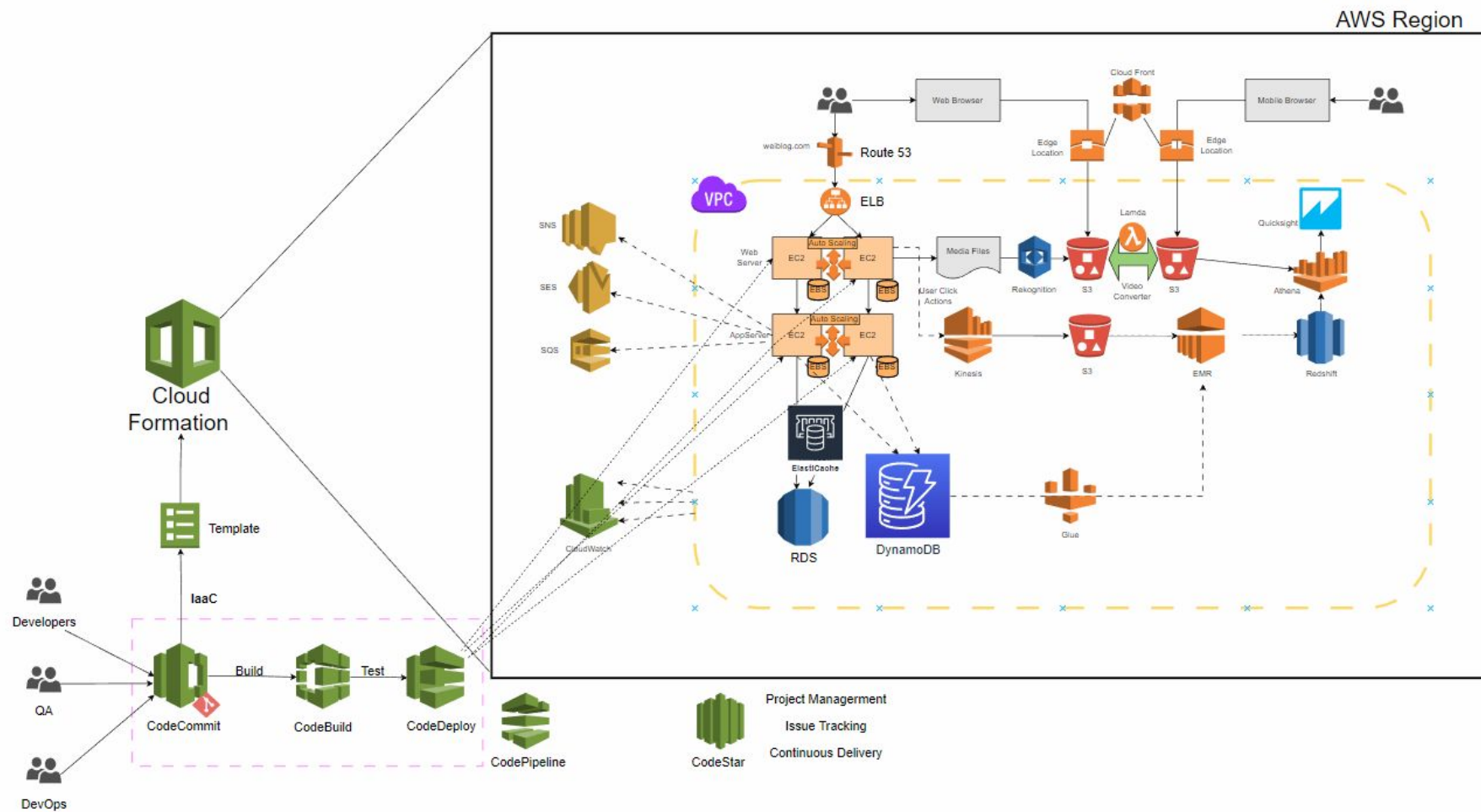


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AWS Region



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References