AWS Cloud

VPC

ECS Cluster

Availability Zone

Fargate Instance

BirthdayApi Python App

Availability Zone

Fargate Instance

BirthdayApi Python App

Availability Zone

Fargate Instance

BirthdayApi Python App

VPC Endpoint

DynamoDB

Elastic Container Registry

End User

Application Load Balancer

Target Group

Internet Gateway

BirthdayApi

The black arrows originating from the *end user* represent the incoming flow of traffic, from the public internet towards the BirthdayApi containers running on Fargate instances

The purple lines denote the requests from the individual instances of the BirthdayApi program to the common Dynamo Database

Finally the orange arrows denote the outgoing flow of data, the API responses, to the *end user*. This data more or less follows the inverse path with the exception that it will be passed from the ALB to an Internet Gateway to allow the traffic exit to the public internet.

The Elastic Container Registry's purpose is to maintain and deliver the docker images of the BirthdayApi application.