

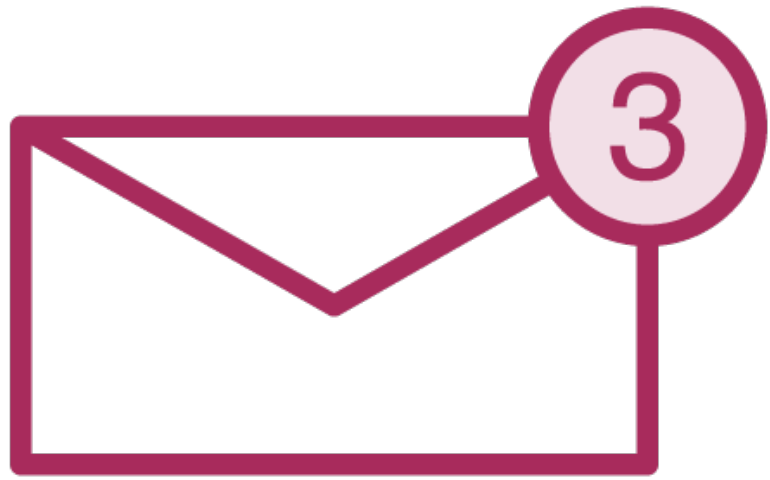
Communicating with AWS



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Simple Notification
Service



CloudWatch
Alarms

Overview

SNS to mobile connection

Real time race updates

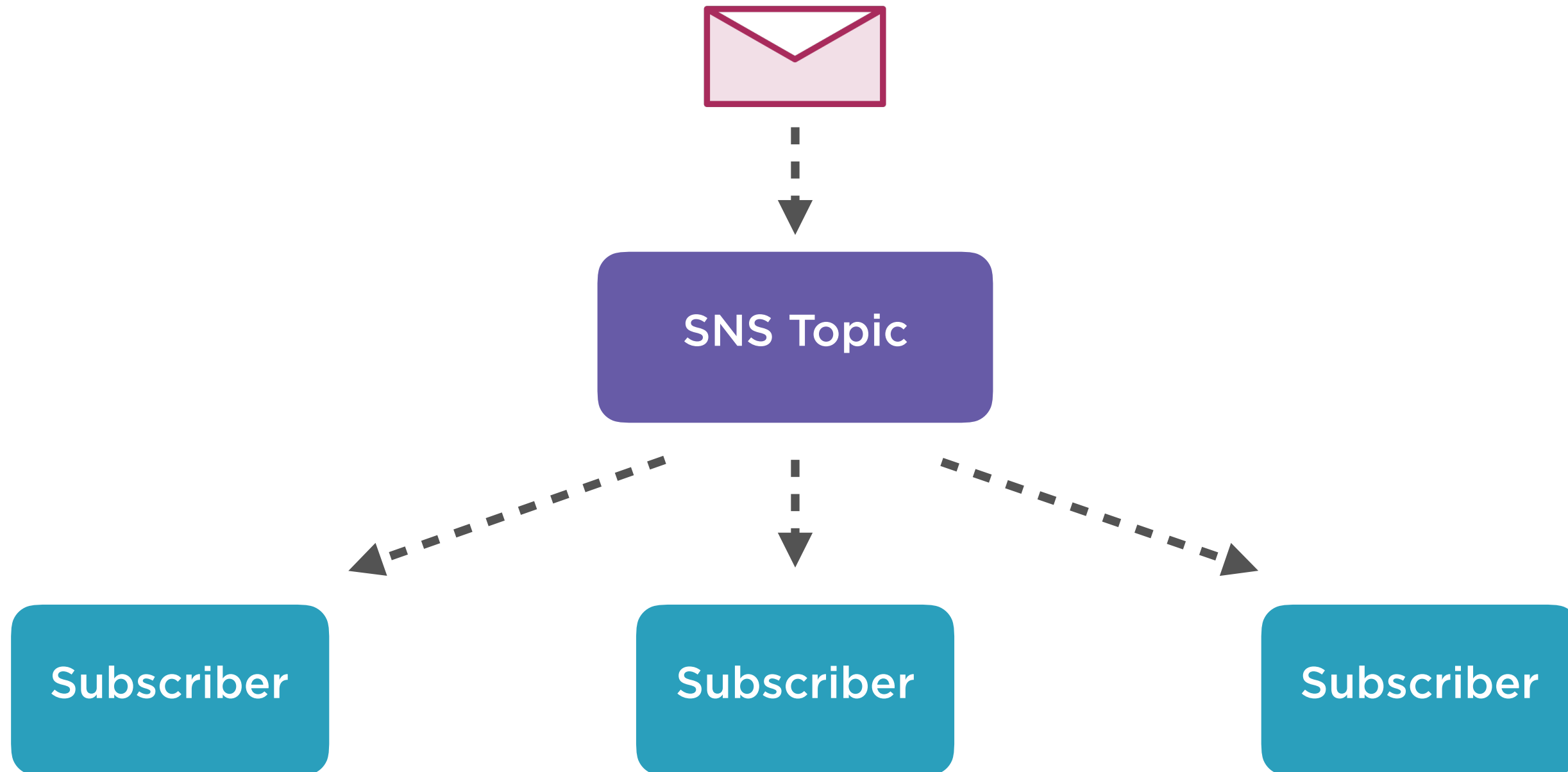
CloudWatch to the rescue

The limits of SNS and CloudWatch

Cleaning up our mess

Creating an SNS Topic

How SNS Works



Creating an SNS Subscription

SNS Endpoint Types

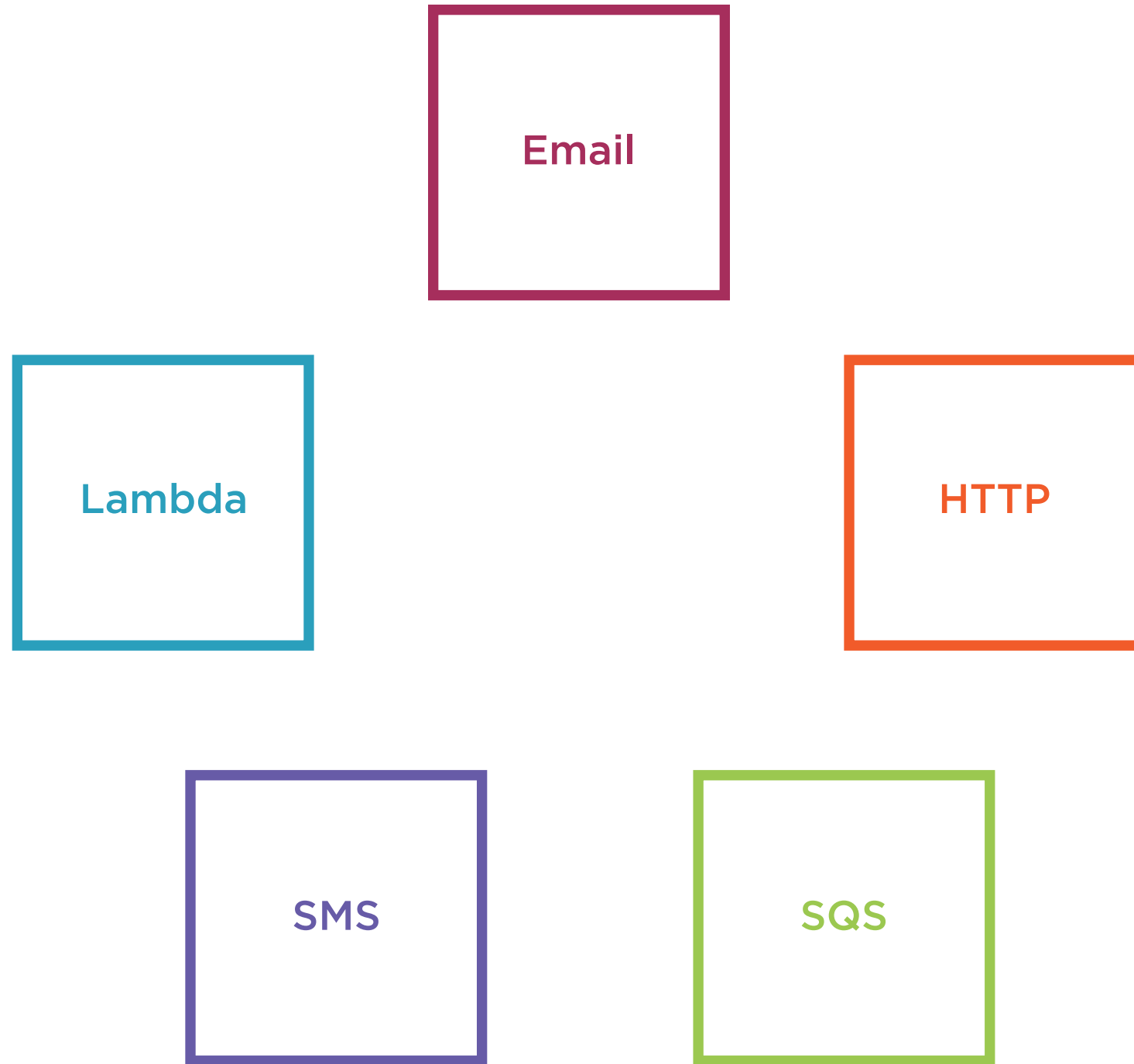
Email

Lambda

HTTP

SMS

SQS



Sending a Notification Through SNS

Creating a CloudWatch Alarm

Target Tracking Alarms

CloudWatch Scale up Alarm

CloudWatch Scale Down Alarm

CloudWatch lets you set
alarms on hundreds of
different AWS resource
metrics

Limits with SNS and CloudWatch Alarms

Simple Notification Service Limit

Only alphanumeric, hyphens, and underscores allowed for topics

CloudWatch Limit

5 actions per alarm

CloudWatch Limit

Alarm period cannot be longer than one day

CloudWatch Limit

Can only use *AWS* supported metrics

Cleaning Up

Delete

Location: **EC2**

Load Balancer

Auto Scaling Group

Target Group

Instances

AMI

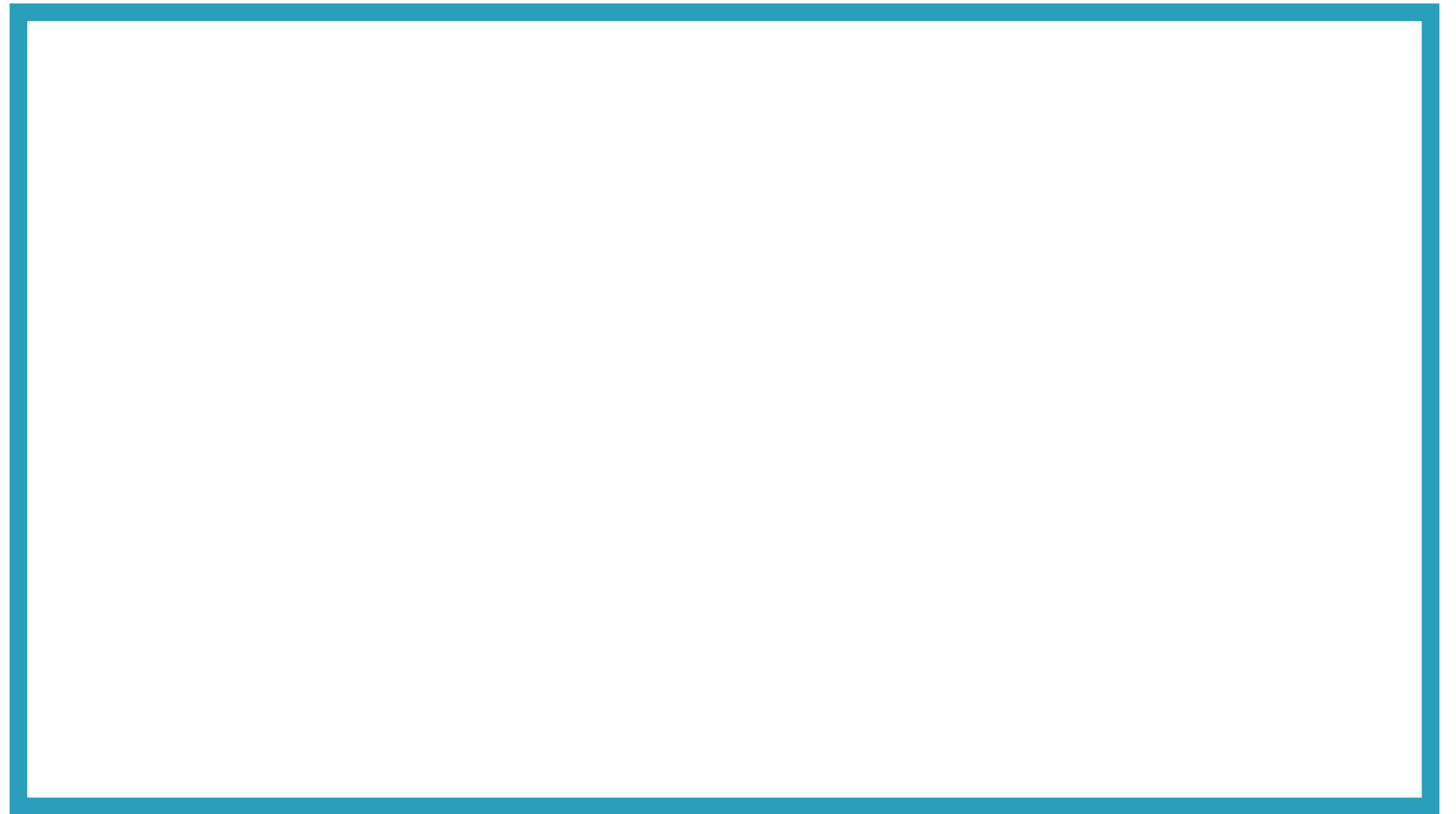
Key Pairs

Launch Configuration

EBS Snapshots

EBS Volumes

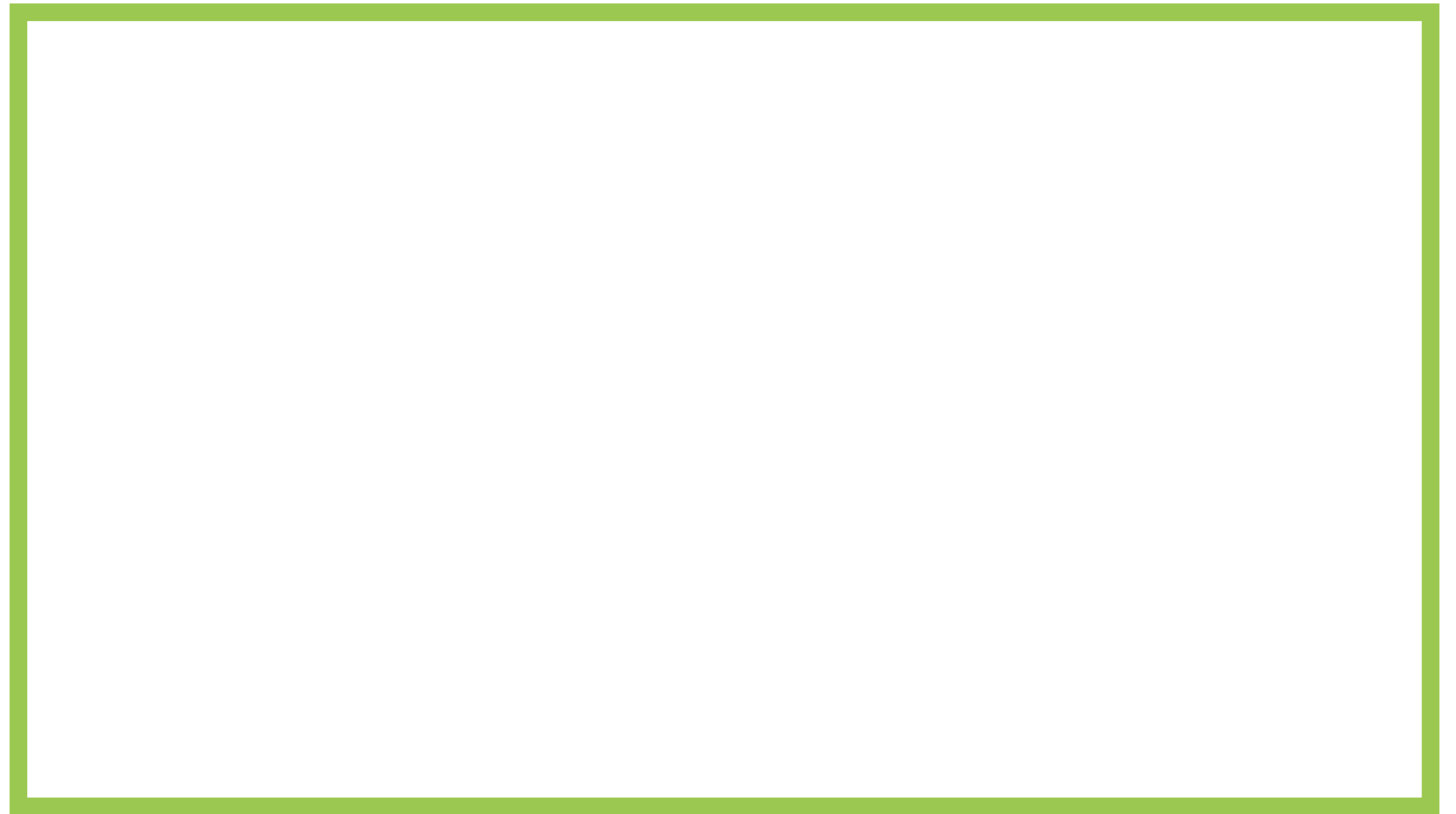
Security Groups



Delete

Bucket

Location: **S3**



Delete

Location: **RDS**

Database Instance



Delete

Tables

Location: **DynamoDB**



Delete

Redis Cluster

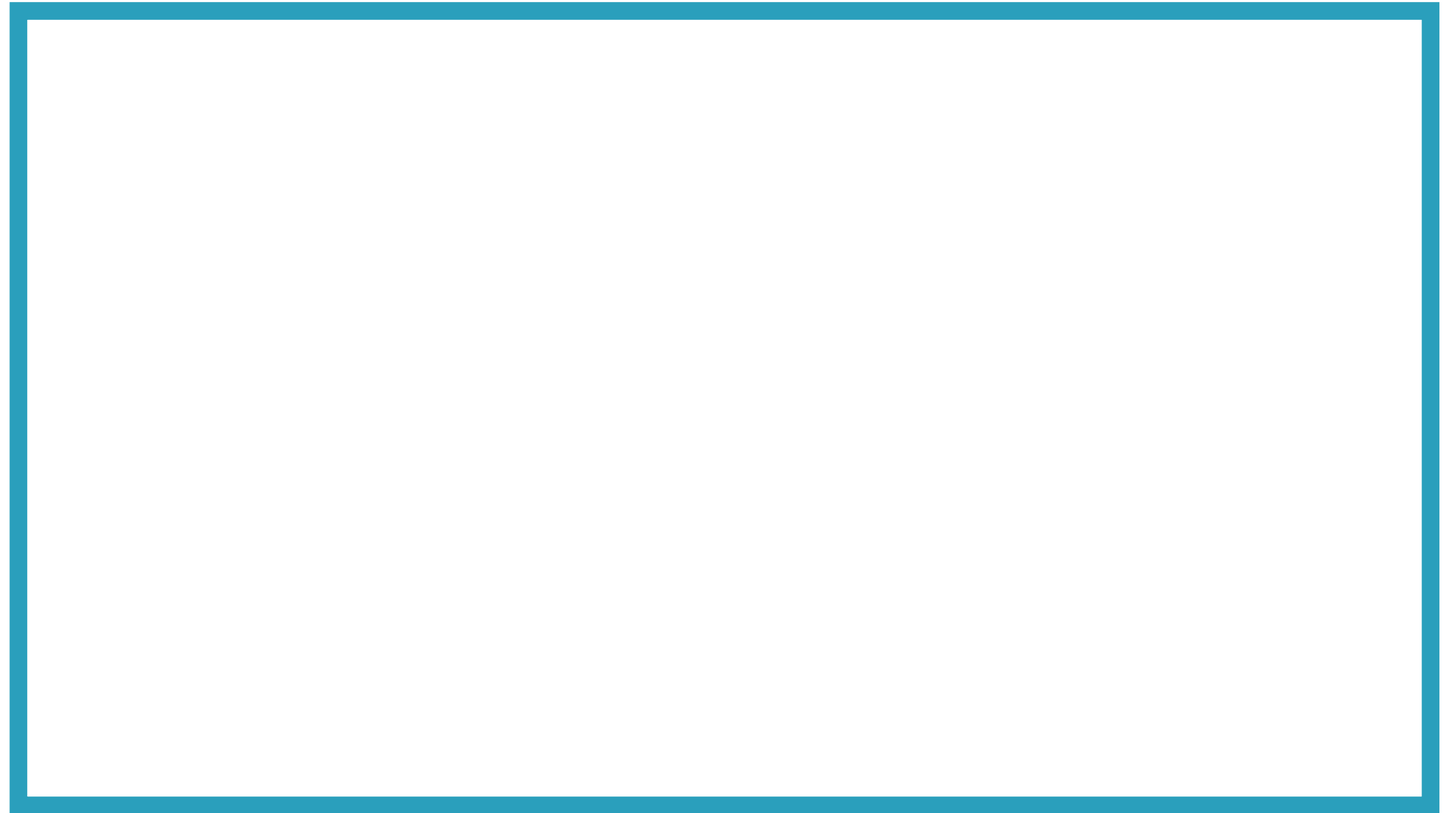
Location: **ElastiCache**



Delete

Hosted Zone

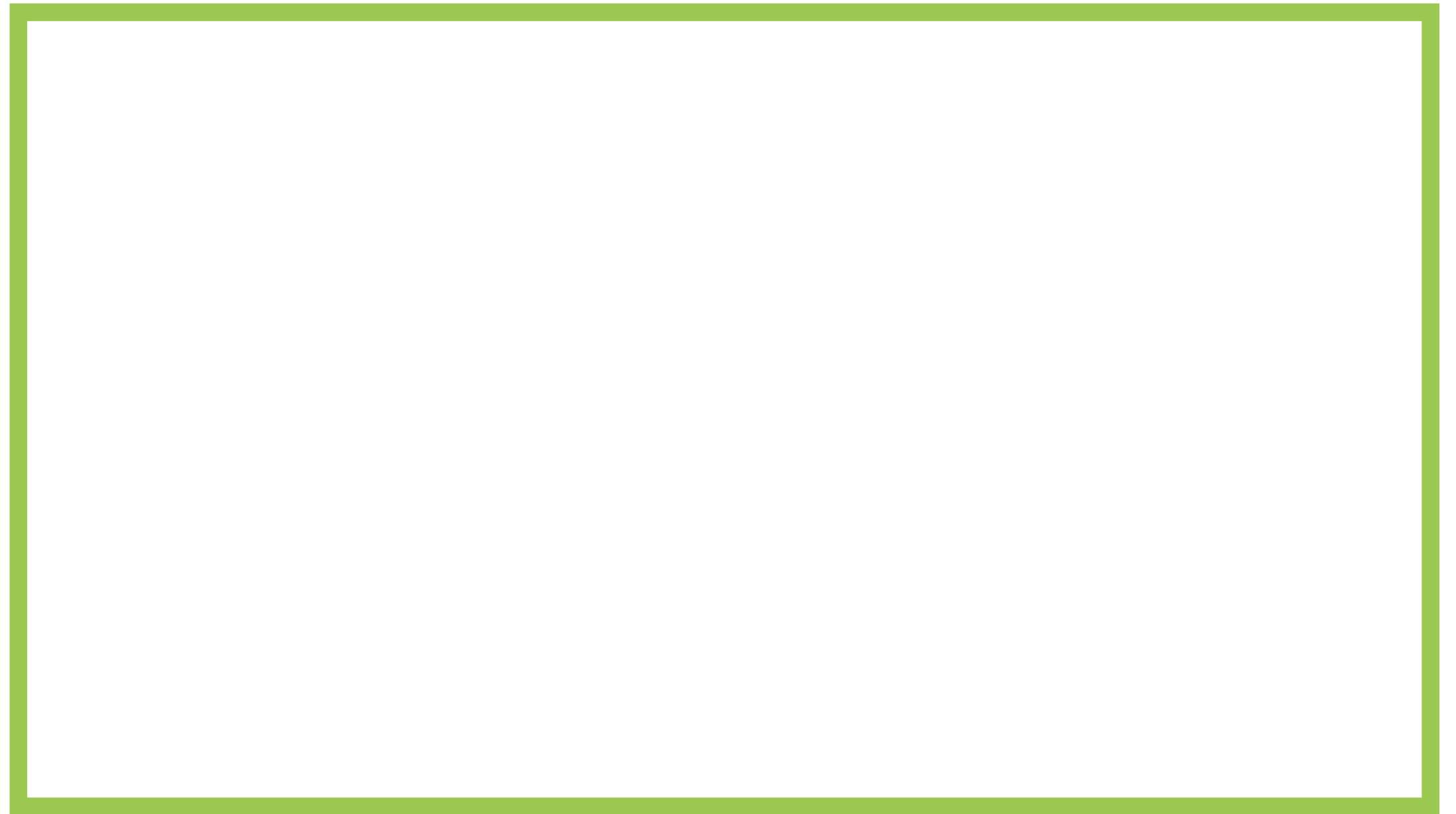
Location: **Route 53**



Delete

API

Location: **API Gateway**



Delete

Distribution

Location: **CloudFront**



Delete

Queue

Location: **SQS**



Delete

Stream

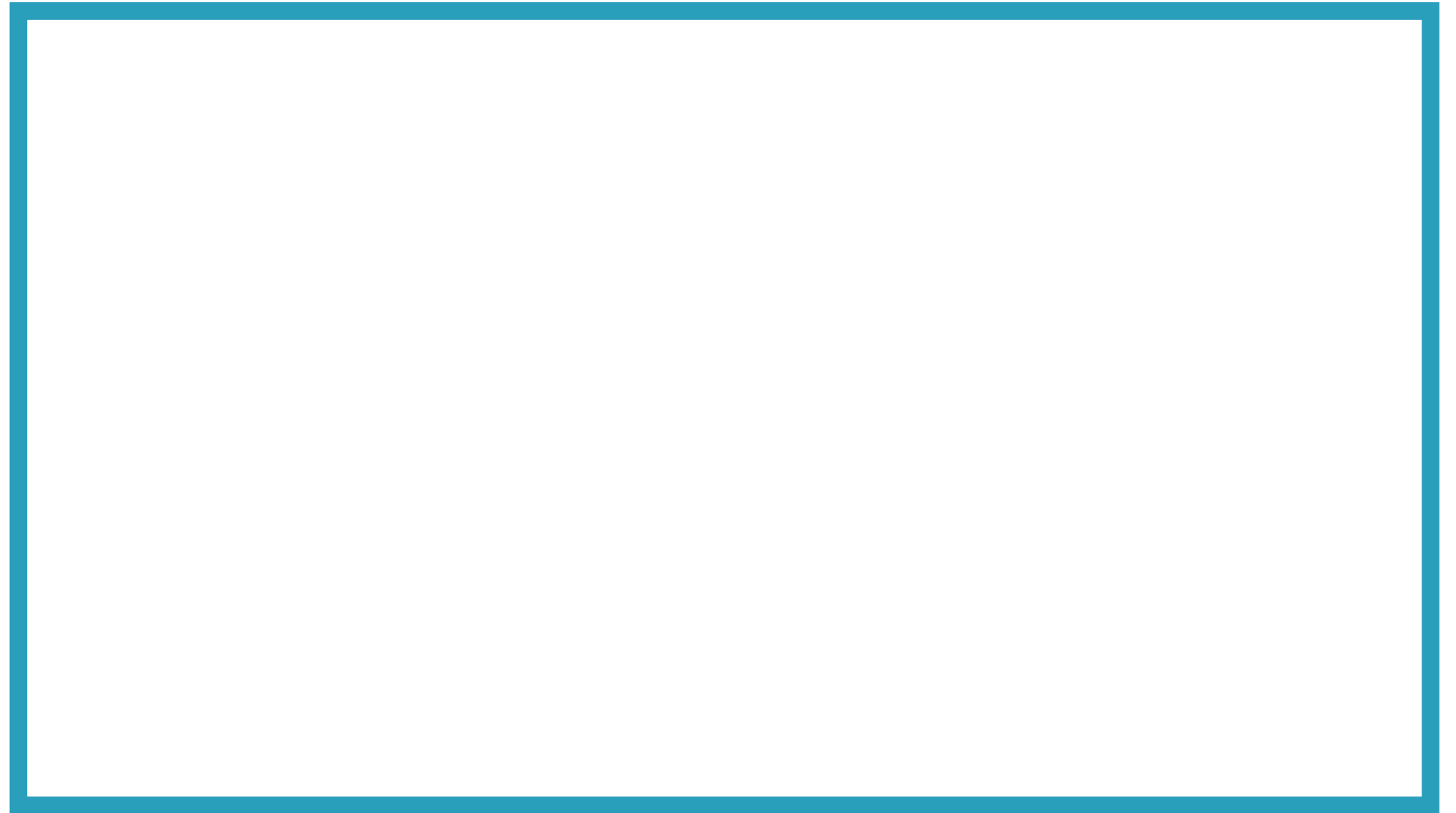
Location: **Kinesis Streams**



Delete

Function

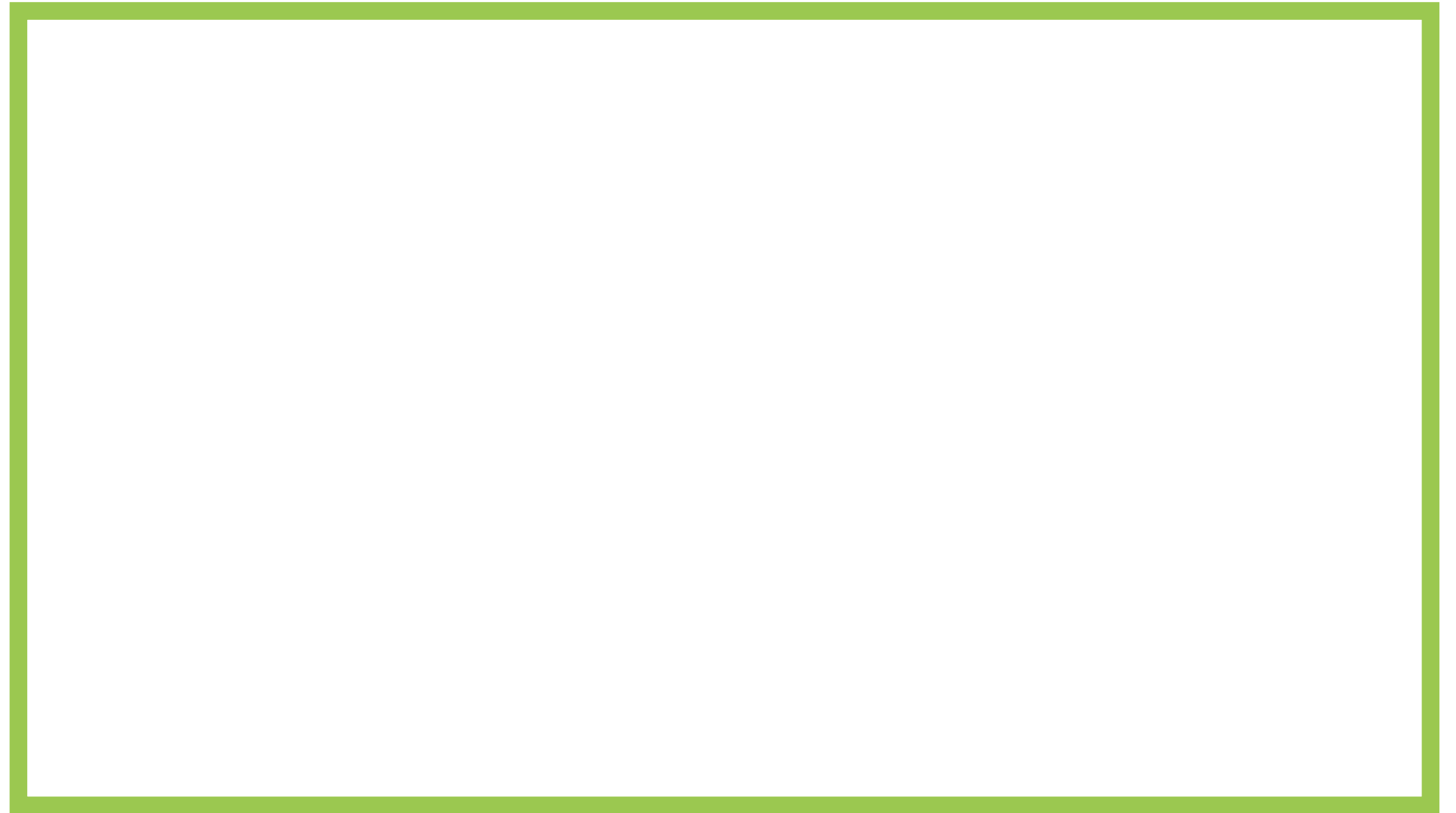
Location: **Lambda**



Delete

Topic

Location: **SNS**

A large, empty rectangular box with a thick green border. It occupies the right half of the page and is positioned below the 'Location: SNS' text. It appears to be a placeholder for a diagram or content related to the 'Delete' and 'Topic' labels on the left.

Delete

Location: **CloudWatch**

Healthy Hosts Alarm



Resources to Delete

EC2: Load Balancer

EC2: Auto Scaling Group

EC2: Target Group

EC2: Instances

EC2: AMI

EC2: Key Pairs

EC2: Launch Configuration

EC2: EBS Snapshots

EC2: EBS Volumes

EC2: Security Groups

S3: Bucket

RDS: Database Instance

DynamoDB: Tables

ElastiCache: Redis Cluster

Route 53: Hosted Zone

API Gateway: API

CloudFront: Distribution

SQS: Queue

Kinesis Streams: Stream

Lambda: Function

SNS: Topic

CloudWatch: Healthy Hosts Alarm

Conclusion

Summary

A topical application of SNS

Zepto is the winner, again

Healthy hosts for life

Is there a metric for your needs?

Thank you!



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